As filed with the Securities and Exchange Commission on July 14, 2017

Registration No. 333-215652

UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549

FORM S-1
REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933
AMENDMENT NO. 4

DUOS TECHNOLOGIES GROUP, INC.
(Exact name of registrant as specified in its charter)

Florida	**7373**	**65-0493217**
(State or Other Jurisdiction of Incorporation or Organization)	*(Primary Standard Industrial Classification Code Number)*	*(I.R.S. Employer Identification Number)*

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Jacksonville, Florida 32216
(904) 652-1616
(Address, including zip code, and telephone number including area code, of Registrant's principal executive offices)

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Approximate date of commencement of proposed sale to the public: As soon as practicable after this Registration Statement is declared effective.

If any of the securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act of 1933, check the following box. ☑

If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering. ☐

If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering. ☐

If this Form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering. ☐

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer ☐	Accelerated filer ☐
Non-accelerated filer ☐	Smaller reporting company ☑
	Emerging growth company ☐

If an emerging growth company, indicate by checkmark if the registrant has not elected to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act. ☐

CALCULATION OF REGISTRATION FEE

Title of Each Class of Securities to be Registered	Proposed Maximum Aggregate Offering Price[1]	Amount of Registration Fee[1]
Common Stock, par value $0.001 per share[2][3]	$ 11,500,000	$ 1,332.85
Warrants to Purchase Common Stock[5]	—	—
Shares of Common Stock issuable upon exercise of the Warrants[2][4]	$ 14,375,000	$ 1,666.06
Representatives' Warrant to Purchase Common Stock[5]	—	
Shares of Common Stock issuable upon exercise of Representatives' Warrant[2][6]	$ 1,617,188	$ 187.43
Total	$ 27,492,188	$ 3,186.34[7]

(1) Estimated solely for the purpose of calculating the amount of the registration fee in accordance with Rule 457(o) under the Securities Act of 1933, as amended (the "Securities Act").

(2) Pursuant to Rule 416, the securities being registered hereunder include such indeterminate number of additional securities as may be issued after the date hereof as a result of stock splits, stock dividends or similar transactions.

(3) Includes shares of common stock which may be issued upon exercise of a 45-day option granted to the underwriters to cover over-allotments, if any.

(4) There will be issued a warrant to purchase one share of common stock for every one share offered. The warrants are exercisable at a per share price of 125% of the common stock public offering price.

(5) In accordance with Rule 457(g) under the Securities Act, because the shares of the Registrant's common stock underlying the warrants and Representative's warrants are registered hereby, no separate registration fee is required with respect to the warrants registered hereby.

(6) Estimated solely for the purpose of calculating the registration fee pursuant to Rule 457(g) under the Securities Act, the proposed maximum aggregate offering price of the Representative's warrants is $1,617,188, which is equal to 125% of $1,293,750 (5% of $25,875,000).

(7) The registration fee was previously paid in full.

The registrant hereby amends this registration statement on such date or dates as may be necessary to delay its effective date until the registrant shall file a further amendment which specifically states that this registration statement shall thereafter become effective in accordance with Section 8(a) of the Securities Act or until the registration statement shall become effective on such date as the Commission, acting pursuant to said section 8(a), may determine.

The information in this prospectus is not complete and may be changed. We may not sell these securities until the registration statement filed with the Securities and Exchange Commission is effective. This prospectus is not an offer to sell these securities and it is not soliciting offers to buy these securities in any jurisdiction where the offer or sale is not permitted.

PRELIMINARY PROSPECTUS SUBJECT TO COMPLETION DATED JULY 14, 2017

2,195,600 Shares of Common Stock
Warrants to Purchase up to 2,195,600 Shares of Common Stock

Duos Technologies Group, Inc.

We are offering an aggregate of 2,195,600 shares of our common stock, $0.001 par value per share, and warrants to purchase 2,195,600 shares of our common stock. We anticipate a public offering price of between $4.00 and $6.00 per share of our common stock. The warrants have a public offering price of $0.01 and can be exercised immediately at an exercise price of $_____ per share (125% of the public offering price) expiring five years from the date of issuance. Each share of common stock purchased will be accompanied by one warrant. The shares and warrants will trade separately.

Our common stock is presently quoted on the OTCQB under the symbol "DUOT". We have applied to have our common stock and warrants listed on The NASDAQ Capital Market under the symbols "DUOT" and "DUOTW," respectively. No assurance can be given that our application will be approved. On July 13, 2017, the last reported sale price for our common stock on the OTCQB was $4.11 per share. There is no established public trading market for the warrants. No assurance can be given that a trading market will develop for the warrants.

Investing in our securities involves a high degree of risk. See "Risk Factors" beginning on page 13 of this prospectus for a discussion of information that should be considered in connection with an investment in our securities.

Our auditors have issued a going concern opinion. For more information please see the going concern opinion on page F2 and the risk factors herein.

Neither the Securities and Exchange Commission nor any state securities commission has approved or disapproved of these securities or determined if this prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

	Per Share	Per Warrant	Total
Public offering price	$	$	$
Underwriting discounts and commissions[(1)]	$	$	$
Proceeds to us, before expenses	$	$	$

(1) Does not include a non-accountable expense allowance equal to 1% of the gross proceeds of this offering payable to Joseph Gunnar & Co., LLC, the representative of the underwriters. See "Underwriting" for a description of compensation payable to the underwriters.

We have granted a 45-day option to the representative of the underwriters to purchase up to 329,340 additional shares of our common stock at an assumed public offering price of $5 per share and/or additional warrants to purchase 329,340 shares of our common stock at a public offering price of $0.01 per warrant, solely to cover over-allotments, if any.

The underwriters expect to deliver our shares and warrants to purchasers in the offering on or about July __, 2017.

Joseph Gunnar & Co.

The date of this prospectus is July __, 2017.

Data Centers

Oil, Gas & Petrochemical

Correctional Facilities

Border Protection

Distribution Centers

Freight & Transit Railroads

TABLE OF CONTENTS

Prospectus Summary	1
Risk Factors	13
Use of Proceeds	23
Market for Our Common Stock and Related Stockholder Matters	24
Capitalization	26
Dilution	27
Cautionary Note Regarding Forward-Looking Statements	28
Management's Discussion and Analysis of Financial Condition and Results of Operations	29
Business	38
Directors and Executive Officers	52
Executive Compensation	57
Security Ownership of Certain Beneficial Owners and Management	60
Certain Relationships and Related Party Transactions	61
Description of Capital Stock	62
Shares Eligible for Future Sale	66
Underwriting	67
Legal Matters	75
Experts	75
Where You Can Find More Information	75
Index to Consolidated Financial Statements	F-1

You should rely only on information contained in this prospectus. We have not, and the underwriters have not, authorized anyone to provide you with additional information or information different from that contained in this prospectus. We are not making an offer of these securities in any state or other jurisdiction where the offer is not permitted. The information in this prospectus may only be accurate as of the date on the front of this prospectus regardless of time of delivery of this prospectus or any sale of our securities.

No person is authorized in connection with this prospectus to give any information or to make any representations about us, the common stock hereby or any matter discussed in this prospectus, other than the information and representations contained in this prospectus. If any other information or representation is given or made, such information or representation may not be relied upon as having been authorized by us. This prospectus does not constitute an offer to sell, or a solicitation of an offer to buy our common stock in any circumstance under which the offer or solicitation is unlawful. Neither the delivery of this prospectus nor any distribution of our common stock in accordance with this prospectus shall, under any circumstances, imply that there has been no change in our affairs since the date of this prospectus.

Neither we nor any of the underwriters have done anything that would permit this offering or possession or distribution of this prospectus in any jurisdiction where action for that purpose is required, other than the United States. You are required to inform yourself about, and to observe any restrictions relating to, this offering and the distribution of this prospectus.

PROSPECTUS SUMMARY

This summary highlights selected information appearing elsewhere in this prospectus. While this summary highlights what we consider to be important information about us, you should carefully read this entire prospectus before investing in our common stock and warrants, especially the risks and other information we discuss under the headings "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operation" and our consolidated financial statements and related notes beginning on page F-1. Our fiscal year end is December 31 and our fiscal years ended December 31, 2014, 2015 and 2016 are sometimes referred to herein as fiscal years 2014, 2015 and 2016, respectively. Some of the statements made in this prospectus discuss future events and developments, including our future strategy and our ability to generate revenue, income and cash flow. These forward-looking statements involve risks and uncertainties which could cause actual results to differ materially from those contemplated in these forward-looking statements. See "Cautionary Note Regarding Forward-Looking Statements". Unless otherwise indicated or the context requires otherwise, the words "we," "us," "our", the "Company" or "our Company" or "Duos" refer to Duos Technologies Group, Inc., a Florida corporation, and our wholly owned subsidiaries, Duos Technologies, Inc. and TrueVue 360, Inc. Effective April 26, 2017, the Company filed an Articles of Amendment to the Articles of Incorporation of the Company to effectuate a reverse split of the Company's issued and outstanding common stock at an exchange ratio of 1-for-35. All share and per share information in this prospectus gives retroactive effect to the Reverse Split (as defined herein).

Overview

The Company, through its wholly owned subsidiary DTI, focuses on the design, development and turnkey delivery of proprietary "intelligent technologies" that enable our customers to derive measurable increases in return on investment for their business. Our technologies integrate with our customer's existing business process and create actionable information to streamline mission critical operations. Our target market is the largest transportation, industrial and retail corporations representing over $100 billion in total available market. Our technologies have been verified by multiple government and private organizations including Johns Hopkins University Applied Physics Laboratory (JHU/APL), the Department of Homeland Security (DHS), and the Transportation Technology Center, Inc., a wholly owned subsidiary of the Association of American Railroads, and a transportation research and testing organization (TTCI). The Company has worked with these organizations over the past several years where we have supplied funded prototypes of our technologies to verify technology and operating parameters.

The Company provides a broad range of sophisticated intelligent technology solutions with an emphasis on security, inspection and operations for critical infrastructure within a variety of industries including transportation, healthcare, retail, law enforcement, oil and gas and utilities sectors. Our business operations are in two business units: intelligent technologies and IT asset management. Our proprietary applications, specific to critical infrastructure, include but are not limited to:

Intelligent Rail Inspection Portal

- A suite of several sub-systems for the automated inspection of freight or transit railcars while in motion. The objective is to automatically detect a variety of anomalies such as open or missing hatches, open cargo doors, illegal riders hiding in cargo wells, and foreign objects hidden under a car undercarriage, all while the train is traveling through various strategic areas (i.e. border crossings or inspection areas).

Tunnel and Bridge Security

- A suite of artificial intelligence-based homeland security applications for the security of critical tunnels and bridges.

Virtual Security Shield

- A suite of artificial intelligence-based homeland security applications for the security of critical areas and buffer zones. This application includes intrusion detection zone, Radio Frequency Identification (RFID) tracking and discriminating "Friend or Foe" modules (Friend or Foe refers to a Radio Frequency - based tagging system that validates individuals authorized to be in a specific area).

Facility Safety and Security

- A suite of artificial intelligence-based homeland security applications for the "hardening" or safety and resilience of facilities against natural or man originated threats for the protection of critical facilities (energy, water, chemical facilities). The Company and all of its staff are CFATS (Chemical Facility Anti-Terrorism Standards) certified.

Remote Bridge Operation

- Proprietary system for remote control of draw bridges.

Collision Alert, Monitoring and Impact Analysis System

- A system designed to automatically detect, document and record maritime vessels colliding with bridge structures, thereby causing significant damages, in real-time.

Pantograph Inspection System

- A system designed to inspect pantographs (structure connecting transit locomotives to high voltage power lines) for the detection of excessive depletion of carbon liners, which may cause power line ruptures.

Vehicle Undercarriage Examiner (Security)

- A system that builds upon our current undercarriage inspection technology. This second generation unit is able to inspect the undercarriage of railcars (both freight and transit rail) traveling at speeds of up to 70 miles per hour.

Vehicle Undercarriage Examiner (Mechanical Inspection)

- Under a similar development grant from the TTCI (the technology evaluation arm of the American Association of Railroads ("AAR")), we developed a prototype targeting mechanical and structural anomalies of undercarriage components. The addition of algorithms for an increasing number of automated detection of anomalies is a continuing development, which once completed and successfully tested, may have a significant impact on our revenues. The next version upgrade is scheduled to be completed by the end of the second quarter of 2017.

Multi-Layered Enterprise Command and Control Interface

- Aggregator and central point for information consolidation, systems management and communications of our proprietary systems and third-party applications.

Several significant new programs and technologies are currently under development and in various stages of maturity. Some of the more significant developments are:

Neural Network Modeling for detection algorithms

- A neural network is a powerful computational data model, able to capture and represent complex input/output relationships. The neural network includes the development of an artificial system that could perform "intelligent" tasks like those performed by the human brain, including the acquisition of knowledge through deep learning, which is stored within inter-neuron connection strengths known as synaptic weights.

Automated Retail Facility Logistics

- We are currently in the process of developing a comprehensive system to automate facility security gate operations.

Transit Rail Platform Analytics

- We have been selected by the New York City Transit Authority ("NYCT") to provide a pilot (proof of concept) of our Platform Analytics Technology concept. The technology is designed to automatically detect objects falling on tracks adjacent to transit passenger platforms and to alert incoming rail traffic to that effect.

Intelligent Pedestrian Identification Portal

- A system that will integrate several biometric data points from inbound and outbound pedestrians to and from the US. The system will enable US Customs to automatically capture critical biometric data from visitors "entering" and "leaving" the country without slowing down pedestrian traffic. The data will be processed by our combined praesidium® and centraco® platforms and result in the capability of tracking inbound visitors that overstay their permitted visa duration. We have submitted a comprehensive proposal to receive an award for a pilot system for proof of concept during the current fiscal year.

Market

At this time, our primary target market is rail transportation. We implement our products in railcar security inspection with a focus on providing our customers with the capability of performing mission critical security inspections of inbound trains crossing US borders from a centralized, remote location. The U.S. Customs and Border Protection ("CBP") agency uses our systems at U.S./Mexican border rail crossings. Additionally, opportunities exist within the entire operating environment with initial emphasis on freight carriers by providing mechanical inspection portals for the remote inspection of railcars while traveling at high speeds. Unlike trucks, barges, and airlines, freight railroads operate almost exclusively on infrastructure that they own, build, and maintain. According to the AAR article on Freight Railroad Capacity and Investment dated April 2016, from 1980 to 2015 freight railroads alone reinvested approximately $600 billion of their own funds in capital expenditures and maintenance projects related to locomotives, freight cars, tracks, bridges, tunnels and other infrastructure related equipment. The AAR further reports, that more than 40 cents out of every revenue dollar is reinvested into a rail network.

According to AAR's statistical railroad report, there are approximately 1.56 million freight cars and 26,574 locomotives in service operated on approximately 250,000 miles of active rail tracks throughout North America. Rail tracks are predominantly owned by the Class-I railroad industry which include:

Class-I Railroads	Tracks Owned in:		
	Canada	USA	Mexico
BNSF Railway	✓	✓	x
Canadian National Railway (CN)	✓	✓	x
Canadian Pacific	✓	✓	x
CSX Transportation	✓	✓	x
Ferrocarril Mexicano (Ferromex)	x	x	✓
Kansas City Southern Railway	x	✓	✓
Norfolk Southern	✓	✓	x
Union Pacific Railroad	x	✓	x

The report further elaborates that profitability of rail operators is measured by their operating ratio, which is the rail operator's operating expenses as a percentage of revenue. According to AAR's Annual Spending Data report, the labor cost to run and maintain trains represent a significant portion of their total operating expenses. Revenue is mostly affected by the average "velocity" of its rolling stock, which determines how much freight or how many passengers a rail operator can transport between destinations and the average speeds. Railroads implement their own speed limits within Federal Railroad Administration (FRA) guidelines. Average speed is impacted by many factors including, but not limited to:

- track curvatures and condition, signaling, and stoppages for inspections (security and mechanical);
- grade crossings; and
- physical condition of locomotives and railcars

Freight trains are considered massive in size and weight. Thus, worn or broken parts can have a significantly negative impact on operations. Quicker detection can prevent costly car and track repairs, and derailments. Early detection has the potential to dramatically increase velocity and direct profitability.

Examples include inspections at rail border crossings by CBP agents, which can often lead to significant delays and mandated mechanical inspections. Under FRA regulations, each time a railcar departs a yard, terminal, or industrial facility, it is required to be inspected by either a qualified mechanical inspector or a train crew member for specific defects that would adversely affect the safe operation of the train. There are currently over 70 mechanical and safety inspection criteria, therefore the inspection process typically takes between two and three hours (dwell time) during which each train is "grounded" in a maintenance yard. In addition, the current railcar inspection process is tedious, labor intensive, dangerous, and in general, lacks the level of objectivity that may be achievable using technology.

In order to effectively detect structural or mechanical defects, railcar inspectors today need to walk around the car and crawl underneath the undercarriage with a flashlight to inspect each physical component. Because this process is so lengthy, and hazardous, it is only utilized for pre-departure mechanical inspections. Otherwise, cars are only inspected with this level of scrutiny in shops before undergoing major repairs. In addition to the inherent safety and efficiency challenges of manual inspections, records of these inspections are generally not retained unless a billed repair is performed. Thus, the maintenance of railcar structural components is almost entirely reactive rather than predictive, making repairs and maintenance less efficient.

For many years, the rail industry, through the AAR and its subsidiary TTCI, has been evaluating the feasibility of using technology, and has most recently focused on the objective of performing remote mechanical inspections prior to a train arriving at a rail yard. In the first phase, car inspectors would remotely perform visual inspections of multiple train "consists", which are a group of rail vehicles which are permanently or semi-permanently coupled together to form a unified set of equipment, from a regional inspection station, and generate work orders for detected anomalies. These will be distributed to the respective yards prior to a train arriving at the yard facility. The time-consuming process of physical inspection would be significantly reduced, leading to a significant increase in average velocity and decreased labor cost. We believe this lends itself to the natural progression of automating the inspection process, taking inspectors from the physical inspection to the required actions for diagnosing and resolving issues.

The second phase is to convert the inspection process to a complete automated system that will inspect the entire car via an "intelligent system". This would implement a wayside inspection portal employing a combination of sensors capturing live images and sensor data, of each side, top and undercarriage. Software algorithms interpret the data to identify defects or anomalies. This inspection technology increases average speed and consequently overall return on investment of our customers due to the following:

1. the safety risks associated with manual car inspection will be minimized through reduced exposure to potential yard hazards; and
2. reducing inspection time will increase yard efficiency and improve overall network capacity by also reducing the time needed to process inbound and outbound trains.

We believe that the evolution of automating the inspection processes is broadly advocated throughout the industry. In our experience, the freight rail companies are constantly seeking out innovative ways to increase capacity and improve efficiencies while increasing safety and security standards. A recently launched aggressive plan to automate the mechanical inspection process is at the core of our market opportunity.

Our Products and Systems - Technology Platforms

The Company's solution is comprised of two core technology platforms: praesidium® and centraco®

These in-house developed software suites are distributed as licensed software suites, and form the centerpiece of our engineered turnkey systems. Each integrated system encompasses three major components:

1. The data collectors, including specialized cameras integrated by the Company and other sensors that are specific to the customers' requirements (third party supplied or pre-existing);
2. praesidium®, the analytics software suite which performs real-time analysis of the data generated by the Company; and
3. centraco®, the multi-layered presentation interface which graphically depicts the data analyzed and identifies anomalies and provides actionable intelligence.

Since 2002, we have developed and patented key software components that provide a significant competitive advantage in specialized solutions for our target markets. We believe an important factor in this development is that the Company's intellectual property is "industry agnostic" and can be deployed to many different industries. The following technical descriptions of praesidium® and centraco® provide further insight.

praesidium® Intelligent Analytics Suite

praesidium® is an integrated suite of analytics applications which both process and analyze data streams from a virtually unlimited number of conventional or specialized sensors and/or data points. Our algorithms compare analyzed data against user-defined criteria and rules in real time and automatically report any exceptions, deviations and/or anomalies. This application suite also includes a broad range of conventional operational system components and sub-systems, including an embedded feature-rich video management engine and a proprietary Alarm Management Service ("AMS"). The AMS provides continuous monitoring of all connected devices, processes, equipment and sub-systems, and automatically communicates to centraco®, the Company's enterprise information management suite if and when an issue, event or performance anomaly is detected. The processed information is instantly distributed simultaneously to an unlimited number of users in a visualized and correlated user interface using the centraco® command and control platform.

Our core modules are tailored to specific industry applications and the analytics engine(s) process any type of conventional sensor outputs, also adding "intelligence" to any third-party sensor technology. A key benefit is that the customer may often retain existing systems and we would integrate these into an overall solution.

As listed on the safetyact.gov website, the praesidium® video analytics technology has received "Safety Act" designation from the US Department of Homeland Security. We are one of only ten companies to have received this designation for video related solutions and praesidium® is the only video analytics application with this designation.

Over the years, our proprietary analytics suite has been expanded to meet a significant number of security objectives and environments, adaptable to a broad range of critical infrastructure target verticals including but not limited to commercial transportation (rail, air and seaports), retail, healthcare, utilities, oil, gas and chemical, and government.

centraco® Enterprise Command and Control Suite

centraco® is an Enterprise Information Management (EIM) system. It was designed as a multi-layered command and control interface and to function as the central point and aggregator for information consolidation, connectivity and communications. The platform is browser based and completely agnostic to the interconnected sub-systems. It provides full LDAP (Lightweight Directory Access Protocol, also known as Active Directory) integration for seamless user credentialing and performs the following major functions:

- **Collection**: Device management independently collects data from any number of disparate devices or sub-systems.
- **Analysis**: Correlates and analyzes data, events and alarms to identify real-time situations and their priorities for response measures and end-user's Concept of Operations ("CONOPS").
- **Verification**: The contextual layer represents relevant information in a quick and easily interpreted format which provides operators optimal situational awareness.
- **Resolution**: Event-specific presentation of user-defined Standard Operating Procedures ("SOPs"), that includes a step-by-step instruction on how to resolve situations.
- **Reporting**: Tracking of data and events for statistical, pattern and/or forensic analysis.
- **Auditing**: Device-level drill down that records each operator's login interaction with the system and tracks manual changes including calculations of operator alertness and reaction time for each event.

IT Asset Management

Our IT Asset Management (ITAM) division is dedicated to the mission of developing, marketing and delivering software and professional services to the world's largest data centers. The focus of its technology and knowledgebase evolved out of our core strength in collecting and analyzing data on assets resident within these large data centers. Over the next three years, the Company plans to further develop its software and service offerings, and market these solutions for the growing ITAM market place either as a standalone asset management solution or in conjunction with a comprehensive Datacenter Infrastructure Management **(**DCIM) solution from other vendors. We believe DCIM is the ability to bridge the gap between critical IT assets and facilities infrastructure.

Using proprietary patented methodology, the Company surveys and audits large data centers by physically identifying each piece of equipment and its location. By scanning it into our proprietary system and providing the client with a report detailing type, quantity and location of its IT assets, (racks, servers, network cards, power supplies, etc.), we our clients the ability to verify their own internal records.

In line with the Company's philosophy of integration with existing systems, the design of our process methodology and related software mean that we are able to work with almost any other DCIM provider. Specifically, the Company will focus on the asset management requirements of our clients and partners within specific geographic locations that will allow the Company to balance its investment requirements with income potential to develop a sustainable business in this division. The Company has selected this specific application of its technology to seek revenue opportunities that are readily available in an identified market. We generate profits from this division by maintaining a low level of "bench" staff and hire independent consultants as we are awarded business opportunities. The Company is currently developing a new ITAM system which is expected to be released in the second quarter of 2017. We expect that this will generate revenues from software sales and maintenance starting in 2018.

Our Growth Strategy

Our strategy is to grow our business through a combination of organic growth of our applications and technology solutions, both within our existing geographic reach and through geographic expansion, as well as expansion through strategic acquisitions.

Organic Growth

Our organic growth strategy is to increase our market share through the expansion of our business development team and our research and development talent pool, which will enable us to significantly expand our current solution offerings with feature rich applications, and the development of new and enhanced technology solutions. We plan to augment such growth with strategic relationships both in the business development and research and development arenas, reducing time to market with additional industry applications, expansion of existing offerings to meet customer requirements as well as potential geographical expansion into international territories.

Strategic Acquisitions

Planned acquisition targets include sector specific technology companies with the objective of augmenting our current capabilities with feature-rich (third-party) solutions. The decision-making process includes, but is not limited to, weighing time, effort and approximate cost to develop certain technologies in-house, versus acquiring or merging with one or more entities that we believe have a proven record of successfully developing a technology sub-component. Additional criteria include evaluating the potential acquisition target's customer base, stage of technology, merger or acquisition cost as compared to market conditions.

Our Risks and Challenges

An investment in our securities involves a high degree of risk. You should carefully consider the risks summarized below. The risks are discussed more fully in the "Risk Factors" section of this prospectus immediately following this prospectus summary. These risks include, but are not limited to, the following:

- *We will need to raise capital in order to realize our business plan and the failure to obtain the needed funding could adversely impact our operations.*

- *The nature of the technology management platforms utilized by us is complex and highly integrated, and if we fail to successfully manage releases or integrate new solutions, it could harm our revenues, operating income, and reputation.*

- *Our products and services may fail to keep pace with rapidly changing technology and evolving industry standards.*

- *The market opportunity for our products and services may not develop in the ways that we anticipate.*

- *Our revenues are dependent on general economic conditions and the willingness of enterprises to invest in technology.*

- *We could be vulnerable to security breaches if certain third-parties attempt to gain access through our systems because of unknown weaknesses in our clients' infrastructures.*

- *We face significant competition and many of our competitors are larger and have greater financial and other resources than we do.*

- *We have a history of losses and our growth plans expect to incur losses and negative operating cash flows in the future.*

- *Our inability to protect our intellectual property could impair our competitive advantage, reduce our revenue, and increase our costs.*

- *We may be required to incur substantial expenses and divert management attention and resources in defending intellectual property litigation against us.*

- *We may incur substantial expenses and divert management resources in prosecuting others for their unauthorized use of our intellectual property rights.*

Recent Developments

On December 20, 2016, the Company entered into a Securities Purchase Agreement with JMJ Financial, a Nevada sole proprietorship. Pursuant to the Securities Purchase Agreement, the Company issued a Promissory Note (the "Note") in favor of JMJ Financial and funding was provided to the Company in the amount of $1,650,000, interest free and with an original issue discount of 5%. The total planned repayment amount by the Company to JMJ Financial is approximately $1,736,842 (the "JMJ Financing"). If the Company fails to repay the balance due under the Note up to and including the date of the closing of the Public Offering (as defined in the Note), JMJ Financial has the right to convert all or any portion of the outstanding Note into shares of common stock, subject to the terms and conditions set forth in the Note. All amounts due under the Note become immediately due and payable upon the occurrence of an event of default as set forth in the Note.

Mr. Gijs van Thiel informed the Board of Directors ("Board") of the Company that he was resigning from the Board, effective December 30, 2016, Mr. van Thiel indicated that his resignation was not the result of any disagreement with the Company on any matter relating to the Company's operations, policies or practices.

On January 19, 2017, Mr. Joseph S. Glodek informed the Board that he was resigning from the Board, effective immediately. Mr. Glodek indicated that his resignation was not the result of any disagreement with the Company on any matter relating to the Company's operations, policies or practices.

On or about February 15, 2017, the Company received a Notice of Filing of Complaint of Discrimination filed by a former employee of the Company that had been terminated for insubordination. After completion of the initial investigation by the Florida Commission on Human Relations, the case was dismissed and the time for appeal has expired.

On March 17, 2017, Mr. John F. Andrews was appointed Chief Operating Officer and Executive Vice President of the Company, with an amended effective date of March 27, 2017. Additionally, on the same date, Mr. Andrews was appointed President and Chief Operating Officer of Duos Technologies, Inc., a wholly owned subsidiary of the Company, with an amended effective date of March 27, 2017.

Effective April 26, 2017, the Company filed an Articles of Amendment to the Articles of Incorporation of the Company (the "Amendment") to effectuate a reverse split of the Company's issued and outstanding common stock at an exchange ratio of 1-for-35 (the "Reverse Split").

On May 3, 2017, Alfred Mulder resigned as Chairman of the Compensation Committee and remains a member of the Board, the Audit Committee, Corporate Governance and Nominating Committee, and the Compensation Committee, effective immediately.

On the same date, the Board of the Company appointed Mr. John E. Giles as a member of the Board, Chairman of the Compensation Committee, Chairman of the Corporate Governance and Nominating Committee, and member of the Audit Committee, effective immediately.

On the same date, the Board appointed Mr. Blair Fonda as a member of the Board, Chairman of the Audit Committee, a member of the Corporate Governance and Nominating Committee, and a member of the Compensation Committee, effective immediately.

On June 1, 2017, the Company announced that it had received a contract to develop a new thermal inspection technology to automatically detect hot spots on freight locomotives.

As of June 6, 2017, the Company has been issued a Letter of Intent to award a Purchase Order from New York City Transit to provide a turn-key system as part of a comprehensive pilot program to test and evaluate new technologies that provide a warning when persons or objects enter onto NYC Transit system's tracks.

Conversion of Promissory Notes

On June 9, 2017, the Company entered into letter agreements (together the "Note Holder Letter Agreements") with six (6) investors (each a "Note Holder" and together the "Note Holders") holding promissory notes (collectively the "Notes") whereby the Note Holders agreed to convert all monies due to them under the Notes into restricted shares of common stock (the "Note Conversion Shares"), all contingent upon the completion of this offering. The Note Holders will be due the aggregate sum of $573,224, including principal and interest calculated through June 30, 2017 (the "Note Obligation"). Pursuant to the Note Holder Letter Agreements, the Note Obligation will automatically convert upon consummation of this offering into the Note Conversion Shares at the price per share of common stock paid by the investors in this offering (the "Conversion Price"). As a result of the foregoing, the Company will be issuing an aggregate of 114,645 Note Conversion Shares to the Note Holders upon the consummation of this Offering in consideration of the conversion of the Note Obligation assuming a conversion price of $5.00, the mid-point of the estimated offering price range described on the cover of this prospectus. The Company amended the Note Holder Letter Agreements to issue the Note Holders an aggregate of 114,645 warrants upon consummation of the Offering. Each person entering into the Note Holder Letter Agreements have agreed to enter into lock-up agreements prohibiting the sale or other transfer of any securities of the Company owned by such persons for a period of between 3 and 6 months.

Related Party Conversion

On June 9, 2017, the Company entered into a letter agreement with Mr. Gianni Arcaini, the Chief Executive Officer and a Director of the Company (the "Arcaini Letter Agreement"), whereby Mr. Arcaini agreed to convert all deferred compensation owed to him under his Employment Agreement ("Arcaini Debt Obligation") into common stock of the Company, contingent upon the completion of this offering. The aggregate amount of $700,543 ("Arcaini Obligation") will be owed to Mr. Arcaini under the Arcaini Debt Obligation including interest through June 30, 2017. Pursuant to the Arcaini Letter Agreement, the Arcaini Debt Obligation will automatically convert upon consummation of this offering into such number of restricted shares of the Company's common stock calculated by dividing the Arcaini Debt Obligation by $5.00 or 140,109 shares. The Company amended the Arcaini Letter Agreement to issue Mr. Arcaini 140,109 warrants upon consummation of the Offering. Mr. Arcaini has agreed to enter into a lock-up agreement prohibiting the sale or other transfer of all securities of the Company owned by him for a period of 6 months.

On June 9, 2017, the Company entered into a letter agreement with Mr. Adrian Goldfarb, the Chief Financial Officer of the Company (the "Goldfarb Letter Agreement"), whereby Mr. Goldfarb agreed to convert all amounts due and owing to him under that certain promissory note issued by the Company ("Goldfarb Debt Obligation") into common stock of the Company, contingent upon the completion of this offering. The aggregate amount of $33,620 ("Goldfarb Obligation") will be owed to Mr. Goldfarb under the Goldfarb Debt Obligation including interest through June 30, 2017. Pursuant to the Goldfarb Letter Agreement, the Goldfarb Debt Obligation will automatically convert upon consummation of this offering into such number of restricted shares of the Company's common stock calculated by dividing the Goldfarb Debt Obligation by $5.00 or 6,724 shares. The Company amended the Goldfarb Letter Agreement to issue Mr. Goldfarb 6,724 warrants upon consummation of the Offering. Mr. Goldfarb has agreed to enter into a lock-up agreement prohibiting the sale or other transfer of all securities of the Company owned by him for a period of 6 months.

Our Corporate History

We were incorporated on May 31, 1994 in the State of Florida as Information Systems Associates, Inc. (the "Company", "we", "us", "our"). Initially, our business operations consisted of consulting services for asset management of large corporate data centers and development and licensing of Information Technology (IT) asset management software. On April 1, 2015, we completed a reverse triangular merger, pursuant to an Agreement and Plan of Merger (the "Merger Agreement") among Duos Technologies, Inc., a Florida corporation ("DTI"), the Company, and Duos Acquisition Corporation, a Florida corporation and wholly owned subsidiary of the Company ("Merger Sub"). Under the terms of the Merger Agreement, the Merger Sub merged with and into DTI, whereby DTI remained as the surviving corporation and a wholly-owned subsidiary of the Company (the "Merger"). On the same date, TrueVue 360, Inc. a Delaware corporation became a wholly owned subsidiary of the Company. In connection with the Merger, on July 10, 2015, the Company effected a name change to Duos Technologies Group, Inc.

THE OFFERING

Securities offered by us:	An aggregate of 2,195,600 shares of our common stock at a price of $5.00 per share (the mid-point of the estimated offering price range described on the cover page of this prospectus) and warrants at a price of $0.01 per warrant to purchase 2,195,600 shares of our common stock. Each warrant will have a per share exercise price of $_____ per share (125% of the public offering price of one share of common stock), is exercisable immediately and will expire five years from the date of issuance. Each share of common stock purchased will be accompanied by one warrant. The shares and warrants will trade separately.
Common stock outstanding before the offering	1,894,923 shares of common stock.
Common stock to be outstanding after the offering (1)	4,090,523 shares of common stock and 6,286,123 shares of common stock if all the warrants that are a part of this offering are exercised in full. If the underwriter's over-allotment option is exercised in full, the total number of shares of common stock outstanding immediately after this offering would be 4,419,863 including the Conversion Shares, and 6,944,803 if the warrants are exercised in full.
Option to purchase additional shares	We have granted the underwriters a 45-day option to purchase up to 329,340 additional shares of our common stock and/or warrants to purchase 329,340 additional shares to cover allotments, if any.
Use of proceeds	We intend to use the net proceeds of this offering for the repayment of certain indebtedness, research and development activities; sales and marketing, and for general working capital purposes and possibly acquisitions of other companies, products or technologies, though no such acquisitions are currently contemplated. See "Use of Proceeds" on page 23.
Risk factors	Investing in our securities is highly speculative and involves a high degree of risk. You should carefully consider the information set forth in the "Risk Factors" section beginning on page 13 before deciding to invest in our securities.
Trading symbols	Our common stock is currently quoted on the OTCQB under the trading symbol "DUOT". We have applied to the NASDAQ Capital Market to list our common stock under the symbol "DUOT" and our warrants under the symbol "DUOTW".
Lock-ups	We and our directors, officers and principal stockholders have agreed with the underwriters not to offer for sale, issue, sell, contract to sell, pledge or otherwise dispose of any of our common stock or securities convertible into common stock for a period of 180 days after the date of this prospectus, in the case of our officers and directors, and 90 days after the date of this prospectus, in the case of our principal stockholders. See "Underwriting" section on page 67.

_____

(1) Common stock to be outstanding after the offering:

- Excludes 228,572 shares remaining for issuance pursuant to the 2016 Incentive Stock Option Plan;
- Excludes 451,181 shares of common stock issuable upon exercise of outstanding warrants with a weighted average exercise price of $6.65 (and 76,912 shares issuable based on full ratchet price protection on 357,299 of these warrants);
- Excludes 48,864 shares issuable upon the conversion of Series A Convertible Preferred Shares; and
- Excludes 130,263 origination shares due upon closing of the offering to the holder of debt in the amount of $1,736,842.

Unless we indicate otherwise, all information in this prospectus:

- Assumes no exercise by the underwriters of their option to purchase up to an additional 329,340 shares of common stock and/or 329,340 warrants to cover over-allotments, if any;
- Excludes _____ shares of common stock underlying the warrants to be issued to the underwriters in connection with this offering.

SUMMARY CONSOLIDATED FINANCIAL INFORMATION

The following summary consolidated statements of operations data for the fiscal years ended December 31, 2016, 2015 and 2014 have been derived from our audited consolidated financial statements included elsewhere in this prospectus. Additionally, the three months ended March 31, 2016 and 2017 have been derived from our unaudited consolidated financial statements included elsewhere in this prospectus. The summary consolidated balance sheet data as of March 31, 2017 are derived from our consolidated financial statements that are included elsewhere in this prospectus. The historical financial data presented below is not necessarily indicative of our financial results in future periods, and the results for the quarter ended March 31, 2017 is not necessarily indicative of our operating results to be expected for the full fiscal year ending December 31, 2017 or any other period. You should read the summary consolidated financial data in conjunction with those financial statements and the accompanying notes and "Management's Discussion and Analysis of Financial Condition and Results of Operations." Our consolidated financial statements are prepared and presented in accordance with United States generally accepted accounting principles, or U.S. GAAP. Our consolidated financial statements have been prepared on a basis consistent with our audited financial statements and include all adjustments, consisting of normal and recurring adjustments that we consider necessary for a fair presentation of the financial position and results of operations as of and for such periods.

	Fiscal Years Ended December 31,		
	2016	2015	2014
Consolidated Statement of Operations Data:			
Total Revenues	$ 6,104,893	$ 6,767,763	$ 4,202,457
Total Cost of Revenues	2,732,451	3,196,176	2,132,103
Gross Profit (Loss)	3,372,442	3,571,587	2,070,354
Total Operating Expenses	5,116,548	5,798,895	3,658,046
Income (Loss) From Operations	(1,744,106)	(2,227,308)	(1,587,692)
Total Other Income (Expense)	(817,507)	(98,641)	(515,463)
Net Loss	(2,561,613)	(2,325,950)	(2,107,015)
Preferred stock dividends	(5,920)	—	—
	$ (2,567,533)	$ (2,325,950)	$ (2,107,015)
Net Loss Applicable to Common Stock Per Common Share			
Basic and Diluted	$ (1.36)	$ (1.33)	$ (1.30)
Weighted Average Shares Outstanding			
Basic and Diluted	1,883,598	1,750,028	1,617,472

	Three Months Ended March 31,	
	2017	2016
Consolidated Statement of Operations Data:		
Total Revenues	$ 1,035,730	$ 1,004,243
Total Cost of Revenues	631,388	486,417
Gross Profit	404,342	517,826
Total Operating Expenses	1,260,107	1,285,208
Loss From Operations	(855,765)	(767,382)
Total Other Income (Expense)	(1,439,054)	(70,999)
Net Loss	(2,294,819)	(838,381)
Preferred stock dividends	(5,920)	—
	$ (2,300,739)	$ (838,381)
Net Loss Applicable to Common Stock Per Common Share		
Basic and Diluted	$ (1.21)	$ (0.45)
Weighted Average Shares Outstanding		
Basic and Diluted	1,894,171	1,875,881

	As of March 31, 2017	
	Actual	As Adjusted(1)(2)
Consolidated Balance Sheet Data:		
Cash	$ 53,185	$ 8,241,080
Total other assets	996,119	996,119
Total liabilities	8,550,390	2,081,110
Series A redeemable convertible cumulative preferred stock	307,840	307,840
Total stockholders' equity (deficit)	(7,808,926)	6,970,238

(1) As adjusted amounts give effect to (i) repayment of amounts owed under the JMJ Financing and (ii) the sale of the shares and warrants in this offering at the assumed public offering price of $5 per share and $0.01 per warrant, after deducting underwriting discounts and commissions and other estimated offering expenses payable by us and (iii) conversion of $1,307,387 of debt and accrued expenses into 261,477 shares of common stock and 261,477 warrants at the assumed public offering price of $5 per share.

(2) A $1.00 increase or decrease in the assumed public offering price per share would increase or decrease our cash, total current assets, total assets and total stockholders' equity by approximately $2.0 million, assuming the number of shares and warrants offered by us, as set forth on the cover page of this prospectus, remains the same and after deducting the underwriting discount and estimated offering expenses payable by us.

RISK FACTORS

Investing in our securities involves a great deal of risk. Careful consideration should be made of the following factors as well as other information included in this prospectus before deciding to purchase our securities. There are many risks that affect our business and results of operations, some of which are beyond our control. Our business, financial condition or operating results could be materially harmed by any of these risks. This could cause the trading price of our securities to decline, and you may lose all or part of your investment. Additional risks that we do not yet know of or that we currently think are immaterial may also affect our business and results of operations.

Risks Related to Our Company and Business

We will need to raise capital in order to realize our business plan and the failure to obtain the needed funding could adversely impact our operations.

Without adequate funding or a significant increase in revenues, we may not be able to accelerate the development and deployment of our products, respond to competitive pressures and develop new or enhanced products. As of December 31, 2016, we had available cash resources of $174,376. Additionally, as of March 31, 2017, we had available cash resources of $53,185. We are not always able to meet our current operating expenses in a timely manner.

Overall, we have funded our cash needs from inception through the date hereof with a series of debt and equity transactions, primarily with related parties.

We expect to continue to finance our operations, acquisitions and develop strategic relationships, by issuing equity or convertible debt securities, which could significantly reduce the percentage ownership of our existing stockholders. Furthermore, any newly issued securities could have rights, preferences and privileges senior to those of our existing common stock. Moreover, any issuances by us of equity securities may be at or below the prevailing market price of our common stock and in any event may have a dilutive impact on your ownership interest, which could cause the market price of our common stock to decline.

We may have difficulty obtaining additional funds as and when needed, and we may have to accept terms that would adversely affect our stockholders. In addition, current conditions in the credit and equity markets may adversely affect our ability to raise funds when needed. Any failure to achieve adequate funding will delay our development programs and product launches and could lead to abandonment of one or more of our development initiatives, as well as prevent us from responding to competitive pressures or take advantage of unanticipated acquisition opportunities.

Any additional equity financing may be dilutive to stockholders, and certain types of equity financing, if available, may involve restrictive covenants or other provisions that would limit how we conduct our business or finance our operations.

Our auditor has expressed substantial doubt regarding our ability to continue as a going concern.

We had a net loss of $2,561,613 for the year ended December 31, 2016. During the same period, cash used in operations was $1,840,290. The working capital deficit, stockholders' deficit and accumulated deficit as of December 31, 2016 was $4,132,660, $5,523,188 and $23,518,709, respectively. Additionally, for the quarter ended March 31, 2017, we had a net loss of $2,294,819. During the same period, cash used in operations was $675,526. The working capital deficit, stockholders' deficit and accumulated deficit as of March 31, 2017 was $6,304,643, $7,808,926 and $25,819,448, respectively.

Accordingly, our auditor has expressed substantial doubt regarding our ability to continue as a going concern. Management is unable to predict if and when we will be able to generate positive cash flow. Our plan regarding these matters is to raise additional debt and/or equity financing to allow us the ability to cover our current cash flow requirements and meet our obligations as they become due. There can be no assurances that financing will be available or if available, that such financing will be available under favorable terms. In the event that we are unable to generate adequate revenues to cover expenses and cannot obtain additional financing in the near future, we may seek protection under bankruptcy laws.

The nature of the technology management platforms utilized by us are complex and highly integrated, and if we fail to successfully manage releases or integrate new solutions, it could harm our revenues, operating income, and reputation.

The technology platforms developed and designed by us accommodate integrated applications that include our own developed technology and third-party technology, thereby substantially increasing their functionality. By enabling such system interoperability, our communications platform both reduces implementation and ongoing costs, and improves overall management efficiencies.

Due to this complexity and the condensed development cycles under which we operate, we may experience errors in our software, corruption or loss of our data, or unexpected performance issues from time to time. For example, our solutions may face interoperability difficulties with software operating systems or programs being used by our customers, or new releases, upgrades, fixes or the integration of acquired technologies may have unanticipated consequences on the operation and performance of our other solutions. If we encounter integration challenges or discover errors in our solutions late in our development cycle, it may cause us to delay our launch dates. Any major integration or interoperability issues or launch delays could have a material adverse effect on our revenues, operating income and reputation.

Our products and services may fail to keep pace with rapidly changing technology and evolving industry standards.

The market in which we operate is characterized by rapid, and sometimes disruptive, technological developments, evolving industry standards, frequent new product introductions and enhancements and changes in customer requirements. In addition, both traditional and new competitors are investing heavily in our market areas and competing for customers. As next-generation video analytics technology continues to evolve, we must keep pace in order to maintain or expand our market position. We recently introduced a significant number of new product offerings and are increasingly focused on new, high value safety and security based surveillance products, as a revenue driver. If we are not able to successfully add staff resources with sufficient technical skills to develop and bring these new products to market in a timely manner, achieve market acceptance of our products and services or identify new market opportunities for our products and services, our business and results of operations may be materially and adversely affected.

The market opportunity for our products and services may not develop in the ways that we anticipate.

The demand for our products and services can change quickly and in ways that we may not anticipate because the market in which we operate is characterized by rapid, and sometimes disruptive, technological developments, evolving industry standards, frequent new product introductions and enhancements, changes in customer requirements and a limited ability to accurately forecast future customer orders. Our operating results may be adversely affected if the market opportunity for our products and services does not develop in the ways that we anticipate or if other technologies become more accepted or standard in our industry or disrupt our technology platforms.

Our revenues are dependent on general economic conditions and the willingness of enterprises to invest in technology.

We believe that enterprises continue to be cautious about sustained economic growth and have tried to maintain or improve profitability through cost control and constrained spending. While our core technologies are designed to address cost reduction, other factors may cause delaying or rejecting capital projects, including the implementation of our products and services. In addition, certain industries in which we operate are under financial pressure to reduce capital investment which may make it more difficult for us to close large contracts in the immediate future. We believe there is a growing market trend toward more customers exploring operating expense models as opposed to capital expense models for procuring technology. We believe the market trend toward operating expense models will continue as customers seek ways of reducing their overhead and other costs. All of the foregoing may result in continued pressure on our ability to increase our revenue and may potentially create competitive pricing pressures and price erosion. If these or other conditions limit our ability to grow revenue or cause our revenue to decline our operating results may be materially and adversely affected.

We could be vulnerable to security breaches if certain third-parties attempt to gain access through our systems because of unknown weaknesses in our clients' infrastructures.

Our systems operate inside client network infrastructure, which typically reside behind an ASA or other form of firewall. Communication between us and our clients are highly encrypted and generally take place through virtual private network (VPN) connections. We also use ASA equipment to protect our own network infrastructure. In addition, although our systems are LDAP/Active Directory compatible and include additional security layers we cannot be assured that any of our or our client's systems are 100% secure. Any breach of these systems could be damaging to our reputation and lead to a loss of confidence in our offerings. Such loss of confidence could impact future sales or revenues from existing systems.

We face significant competition and many of our competitors are larger and have greater financial and other resources than we do.

Some of our product offerings compete and will compete with other similar products from our competitors. These competitive products could be marketed by well-established, successful companies that possess greater financial, marketing, distributional, personnel and other resources than we possess. In certain instances, competitors with greater financial resources also may be able to enter a market in direct competition with us offering attractive marketing tools to encourage the sale of products that compete with our products or present cost features that our target end users may find attractive.

We have a history of losses and our growth plans expect to incur losses and negative operating cash flows in the future.

Our accumulated deficit was approximately $24 million as of December 31, 2016 and approximately $26 million as of March 31, 2017. Our operating losses may continue as we continue to expend resources to further develop and enhance our technology offering, to complete prototyping for proof-of-concept, obtain regulatory clearances or approvals as required, expand our business development activities and finance capabilities and conduct further research and development. We also expect to experience negative cash flow in the short-term until our revenues and margins increase at a rate greater than our expenses which will continue to grow as we invest in additional resources for development and sales.

Our inability to protect our intellectual property could impair our competitive advantage, reduce our revenue, and increase our costs.

Our success and ability to compete depend in part on our ability to maintain the proprietary aspects of our technologies and products. We rely on a combination of trade secrets, patents, copyrights, trademarks, confidentiality agreements, and other contractual provisions to protect our intellectual property, but these measures may provide only limited protection. We customarily enter into written confidentiality and non-disclosure agreements with our employees, consultants, customers, manufacturers, and other recipients of information about our technologies and products and assignment of invention agreements with our employees and consultants. We may not always be able to enforce these agreements and may fail to enter into any such agreement in every instance when appropriate. We license from third party's certain technology used in and for our products. These third-party licenses are granted with restrictions; therefore, such third-party technology may not remain available to us on terms beneficial to us. Our failure to enforce and protect our intellectual property rights or obtain from third parties the right to use necessary technology could have a material adverse effect on our business, operating results, and financial condition. In addition, the laws of some foreign countries do not protect proprietary rights as fully as do the laws of the United States.

Patents may not issue from the patent applications that we have filed or may file in the future. Our issued patents may be challenged, invalidated, or circumvented, and claims of our patents may not be of sufficient scope or strength, or issued in the proper geographic regions, to provide meaningful protection or any commercial advantage. We have registered certain of our trademarks in the United States and other countries. We cannot assure you that we will obtain registrations of principal or other trademarks in key markets in the future. Failure to obtain registrations could compromise our ability to protect fully our trademarks and brands, and could increase the risk of challenge from third parties to our use of our trademarks and brands.

We may be required to incur substantial expenses and divert management attention and resources in defending intellectual property litigation against us.

We cannot be certain that our technologies and products do not and will not infringe on issued patents or other proprietary rights of others. While we are not currently subject to any infringement claim, any future claim, with or without merit, could result in significant litigation costs and diversion of resources, including the attention of management, and could require us to enter into royalty and licensing agreements, any of which could have a material adverse effect on our business. We may not be able to obtain such licenses on commercially reasonable terms, if at all, or the terms of any offered licenses may be unacceptable to us. If forced to cease using such technology, we may be unable to develop or obtain alternate technology. Accordingly, an adverse determination in a judicial or administrative proceeding, or failure to obtain necessary licenses, could prevent us from manufacturing, using, or selling certain of our products, which could have a material adverse effect on our business, operating results, and financial condition.

Furthermore, parties making such claims could secure a judgment awarding substantial damages, as well as injunctive or other equitable relief, which could effectively block our ability to make, use, or sell our products in the United States or abroad. Such a judgment could have a material adverse effect on our business, operating results, and financial condition. In addition, we are obligated under certain agreements to indemnify the other party in connection with infringement by us of the proprietary rights of third parties. In the event that we are required to indemnify parties under these agreements, it could have a material adverse effect on our business, financial condition, and results of operations.

We may incur substantial expenses and divert management resources in prosecuting others for their unauthorized use of our intellectual property rights.

Other companies, including our competitors, may develop technologies that are similar or superior to our technologies, duplicate our technologies, or design around our patents, and may have or obtain patents or other proprietary rights that would prevent, limit, or interfere with our ability to make, use, or sell our products. Although we do not have foreign operations at this time, we may compete for contracts in non-US countries from time to time. Effective intellectual property protection may be unavailable, or limited, in some foreign countries in which we may do business, such as China. Unauthorized parties may attempt to copy or otherwise use aspects of our technologies and products that we regard as proprietary. Our means of protecting our proprietary rights in the United States or abroad may not be adequate or competitors may independently develop similar technologies. If our intellectual property protection is insufficient to protect our intellectual property rights, we could face increased competition in the market for our technologies and products.

Should any of our competitors file patent applications or obtain patents that claim inventions also claimed by us, we may choose to participate in an interference proceeding to determine the right to a patent for these inventions, because our business would be harmed if we fail to enforce and protect our intellectual property rights. Even if the outcome is favorable, this proceeding could result in substantial cost to us and disrupt our business.

In the future, we also may need to file lawsuits to enforce our intellectual property rights, to protect our trade secrets, or to determine the validity and scope of the proprietary rights of others. This litigation, whether successful or unsuccessful, could result in substantial costs and diversion of resources, which could have a material adverse effect on our business, financial condition, and results of operations.

We depend on key personnel who would be difficult to replace, and our business plans will likely be harmed if we lose their services or cannot hire additional qualified personnel.

Our success depends substantially on the efforts and abilities of our senior management and certain key personnel. The competition for qualified management and key personnel, especially engineers, is intense. Although we maintain non-competition and non-disclosure covenants with all our key personnel, we do not have employment agreements with most of them. The loss of services of one or more of our key employees, or the inability to hire, train, and retain key personnel, especially engineers and technical support personnel, could delay the development and sale of our products, disrupt our business, and interfere with our ability to execute our business plan.

Due to our dependence on a limited number of customers, we are subject to a concentration of credit risk.

As of December 31, 2016, one customer, Baptist Health South Florida, accounted for 50% of our accounts receivables. In the case of insolvency by one of our significant customers, accounts receivable with respect to that customer might not be collectible, or might be collectible over longer than normal terms, each of which could adversely affect our financial position. Additionally, our five largest customers, Union Pacific Railroad, Ferromex, Amtrak, Baptist Health South Florida and Commscope iTracs accounted for approximately 75% of our total revenues for the year ended December 31, 2016. This concentration of credit risk makes us more vulnerable economically. The loss of any of these customers could materially reduce our revenues and net income, which could have a material adverse effect on our business.

Potential strategic alliances may not achieve their objectives, and the failure to do so could impede our growth.

We may enter into strategic alliances. Among other matters, we continually explore strategic alliances designed to enhance or complement our technology or to work in conjunction with our technology; to provide necessary know-how, components, or supplies; to attract additional customers; and to develop, introduce, and distribute products utilizing our technology. Any strategic alliances may not achieve their intended objectives, and parties to our strategic alliances may not perform as contemplated. The failure of these alliances may impede our ability to introduce new products.

The Company is delinquent in the payment of its payroll taxes with the Internal Revenue Service.

As reported previously, the Company has a delinquent payroll tax payable at March 31, 2017 and December 31, 2016 in the amount of $655,755 and $400,076, respectively. The delinquent portion is included in the payroll taxes payable balance of $703,532 and $444,476, respectively, as shown on the Company's consolidated balance sheet. The IRS has accepted the Company's offer of a monthly installment agreement in the amount of $25,000 commencing March 28, 2016. The monthly installment payments made as of March 31, 2017 totals $250,000. In the event the Company misses a monthly payroll tax installment payment or is unable to timely pay such payroll tax installment payment there may be an adverse material effect on the Company's business operations.

Risks Related to Our Common Stock

There is currently not an active liquid trading market for the Company's common stock.

Our common stock is quoted on the OTC Markets OTCQB tier under the symbol "DUOT". However, there is currently no regular active trading market in our common stock. Although there are periodic volume spikes from time to time, we cannot give an assurance that a consistent, active trading market will develop in the short term. If an active market for our common stock develops, there is a significant risk that our stock price may fluctuate in the future in response to any of the following factors, some of which are beyond our control:

- Variations in our quarterly operating results
- Announcements that our revenue or income are below analysts' expectations
- General economic downturns
- Sales of large blocks of our common stock
- Announcements by us or our competitors of significant contracts, acquisitions, strategic partnerships, joint ventures or capital commitments.

Our common stock is subject to the "penny stock" rules of the Securities and Exchange Commission, which may make it more difficult for stockholders to sell our common stock.

The Securities and Exchange Commission has adopted Rule 15g-9 which establishes the definition of a "penny stock," for the purposes relevant to us, as any equity security that has a market price of less than $5.00 per share, subject to certain exceptions. For any transaction involving a penny stock, unless exempt, the rules require that a broker or dealer approve a person's account for transactions in penny stocks, and the broker or dealer receive from the investor a written agreement to the transaction, setting forth the identity and quantity of the penny stock to be purchased.

In order to approve a person's account for transactions in penny stocks, the broker or dealer must obtain financial information and investment experience objectives of the person, and make a reasonable determination that the transactions in penny stocks are suitable for that person and the person has sufficient knowledge and experience in financial matters to be capable of evaluating the risks of transactions in penny stocks.

The broker or dealer must also deliver, prior to any transaction in a penny stock, a disclosure schedule prescribed by the SEC relating to the penny stock market, which, in highlight form sets forth the basis on which the broker or dealer made the suitability determination, and that the broker or dealer received a signed, written agreement from the investor prior to the transaction.

Generally, brokers may be less willing to execute transactions in securities subject to the "penny stock" rules. This may make it more difficult for investors to dispose of the Company's common stock if and when such shares are eligible for sale and may cause a decline in the market value of its stock.

Disclosure also has to be made about the risks of investing in penny stocks in both public offerings and in secondary trading and about the commissions payable to both the broker-dealer and the registered representative, current quotations for the securities and the rights and remedies available to an investor in cases of fraud in penny stock transactions. Finally, monthly statements have to be sent disclosing recent price information for the penny stock held in the account and information on the limited market in penny stock.

You may experience dilution of your ownership interest due to future issuance of our securities.

We are in a capital-intensive business and we do not have sufficient funds to finance the growth of our business or to support our projected capital expenditures. As a result, we will require additional funds from future equity or debt financings, including potential sales of preferred shares or convertible debt, to complete the development of new projects and pay the general and administrative costs of our business. We may in the future issue our previously authorized and unissued securities, resulting in the dilution of the ownership interests of holders of our common stock. We are currently authorized to issue 500,000,000 shares of common stock and 10,000,000 shares of preferred stock. We may also issue additional shares of common stock or other securities that are convertible into or exercisable for common stock in future public offerings or private placements for capital raising purposes or for other business purposes. The future issuance of a substantial number of common stock into the public market, or the perception that such issuance could occur, could adversely affect the prevailing market price of our common shares. A decline in the price of our common stock could make it more difficult to raise funds through future offerings of our common stock or securities convertible into common stock.

Our Board of Directors may issue and fix the terms of shares of our Preferred Stock without stockholder approval, which could adversely affect the voting power of holders of our Common Stock or any change in control of our Company.

Our Articles of Incorporation authorize the issuance of up to 10,000,000 shares of "blank check" preferred stock, $0.001 par value per share, with such designation rights and preferences as may be determined from time to time by the Board of Directors. Our Board of Directors is empowered, without shareholder approval, to issue shares of preferred stock with dividend, liquidation, conversion, voting or other rights which could adversely affect the voting power or other rights of the holders of our Common Stock. In the event of such issuances, the preferred stock could be used, under certain circumstances, as a method of discouraging, delaying or preventing a change in control of our company.

We do not expect to pay dividends and investors should not buy our Common Stock expecting to receive dividends.

We do not anticipate that we will declare or pay any dividends in the foreseeable future. Consequently, you will only realize an economic gain on your investment in our common stock if the price appreciates. You should not purchase our common stock expecting to receive cash dividends. Since we do not pay dividends, and if we are not successful in establishing an orderly trading market for our shares, then you may not have any manner to liquidate or receive any payment on your investment. Therefore, our failure to pay dividends may cause you to not see any return on your investment even if we are successful in our business operations. In addition, because we do not pay dividends we may have trouble raising additional funds which could affect our ability to expand our business operations.

Our operating results are likely to fluctuate from period to period.

We anticipate that there may be fluctuations in our future operating results. Potential causes of future fluctuations in our operating results may include:

- Period-to-period fluctuations in financial results
- Issues in manufacturing products
- Unanticipated potential product liability claims
- The introduction of technological innovations or new commercial products by competitors
- The entry into, or termination of, key agreements, including key strategic alliance agreements
- The initiation of litigation to enforce or defend any of our intellectual property rights
- Regulatory changes
- Failure of any of our products to achieve commercial success

Our business, financial condition and results of operations could be materially adversely affected by various risks, including, but not limited to the principal risks noted below.

The requirements of the Sarbanes-Oxley Act of 2002 and other U.S. securities laws impose substantial costs, and may drain our resources and distract our management.

We are subject to certain of the requirements of the Sarbanes-Oxley Act of 2002 in the U.S., as well as the reporting requirements under the Exchange Act. The Exchange Act requires, among other things, filing of annual reports on Form 10-K, quarterly reports on Form 10-Q and periodic reports on Form 8-K following the happening of certain material events, with respect to our business and financial condition. The Sarbanes-Oxley Act requires, among other things, that we maintain effective disclosure controls and procedures and internal controls over financial reporting. Our existing controls have some weaknesses, as described below. Meeting the requirements of the Exchange Act and the Sarbanes-Oxley Act may strain our resources and may divert management's attention from other business concerns, both of which may have a material adverse effect on our business.

If we fail to establish and maintain an effective system of internal control, we may not be able to report our financial results accurately or to prevent fraud. Any inability to report and file our financial results accurately and timely could harm our reputation and adversely impact the trading price of our common stock.

Effective internal control is necessary for us to provide reliable financial reports and prevent fraud. If we cannot provide reliable financial reports or prevent fraud, we may not be able to manage our business as effectively as we would if an effective control environment existed, and our business and reputation with investors may be harmed. As a result, our small size and any current internal control deficiencies may adversely affect our financial condition, results of operation and access to capital.

We currently have written policies and procedures for accounting and financial reporting with respect to the requirements and application of US GAAP and SEC disclosure requirements. Due to the small size of our accounting staff, we may need to add additional staff to provide additional segregation of duties to support our internal control over financial reporting and technical expertise with regard to financial reporting for publicly held companies.

We are subject to the Florida anti-takeover provisions, which may prevent you from exercising a vote on business combinations, mergers or otherwise.

As a Florida corporation, we are subject to certain anti-takeover provisions that apply to public corporations under Florida law. Pursuant to Section 607.0901 of the Florida Business Corporation Act, or the Florida Act, a publicly held Florida corporation may not engage in a broad range of business combinations or other extraordinary corporate transactions with an interested shareholder without the approval of the holders of two-thirds of the voting shares of the corporation (excluding shares held by the interested shareholder), unless the:

- transaction is approved by a majority of disinterested directors before the shareholder becomes an interested shareholder;
- interested shareholder has owned at least 80% of the corporation’s outstanding voting shares for at least five years preceding the announcement date of any such business combination;

- interested shareholder is the beneficial owner of at least 90% of the outstanding voting shares of the corporation, exclusive of shares acquired directly from the corporation in a transaction not approved by a majority of the disinterested directors; or
- consideration paid to the holders of the corporation's voting stock is at least equal to certain fair price criteria.

An interested shareholder is defined as a person who together with affiliates and associates beneficially owns more than 10% of a corporation's outstanding voting shares. We have not made an election in our amended Articles of Incorporation to opt out of Section 607.0901.

In addition, we are subject to Section 607.0902 of the Florida Act which prohibits the voting of shares in a publicly held Florida corporation that are acquired in a control share acquisition unless (i) our board of directors approved such acquisition prior to its consummation or (ii) after such acquisition, in lieu of prior approval by our board of directors, the holders of a majority of the corporation's voting shares, exclusive of shares owned by officers of the corporation, employee directors or the acquiring party, approve the granting of voting rights as to the shares acquired in the control share acquisition. A control share acquisition is defined as an acquisition that immediately thereafter entitles the acquiring party to 20% or more of the total voting power in an election of directors.

Risks Related to the Offering

Investors in this offering will experience immediate and substantial dilution in net tangible book value.

The public offering price will be substantially higher than the net tangible book value per share of our outstanding shares of common stock. As a result, investors in this offering will incur immediate dilution of $4.49 per share, based on the assumed public offering price of $5.00 per share of common stock (the mid-point of the estimated offering price range described on the cover page of this prospectus). Investors in this offering will pay a price per share that substantially exceeds the book value of our assets after subtracting our liabilities. See "Dilution" for a more complete description of how the value of your investment will be diluted upon the completion of this offering.

We may need additional capital, and the sale of additional shares or equity or debt securities could result in additional dilution to our stockholders.

We believe that our current cash and cash used in operations, together with the net proceeds from this offering, will be sufficient to meet our anticipated cash needs for the next 12 months. We may, however, require additional cash resources due to changed business conditions or other future developments. If these resources are insufficient to satisfy our cash requirements, we may seek to sell additional equity or debt securities or obtain one or more credit facilities. The sale of additional equity securities could result in additional dilution to our stockholders. The incurrence of indebtedness would result in increased debt service obligations and could result in operating and financing covenants that would restrict our operations. It is uncertain whether financing will be available in amounts or on terms acceptable to us, if at all.

We have broad discretion in the use of the net proceeds from this offering and may not use them effectively.

Our management will have broad discretion in the application of the net proceeds, including for any of the purposes described in the section of this prospectus entitled "Use of Proceeds." The failure by our management to apply these funds effectively could harm our business.

Sales of a substantial number of shares of our common stock following this offering may adversely affect the market price of our common stock and the issuance of additional shares will dilute all other stockholders.

Sales of a substantial number of shares of our common stock in the public market or otherwise following this offering, or the perception that such sales could occur, could adversely affect the market price of our common stock. After completion of this offering at an assumed offering price of $5.00 per share of common stock (the mid-point of the estimated offering price range described on the cover page of this prospectus), our existing stockholders will own approximately 43% of our common stock assuming no exercise of the underwriters' over-allotment option.

After completion of this offering at an assumed offering price of $5.00 per share, the mid-point of the estimated offering price range described on the cover of this prospectus, there will be 4,090,523 shares of our common stock outstanding. In addition, our certificate of incorporation, as amended, permits the issuance of up to approximately 495 million additional shares of common stock after the completion of this offering. Thus, we have the ability to issue substantial amounts of common stock in the future, which would dilute the percentage ownership held by the investors who purchase shares of our common stock in this offering.

We and our officers, directors and certain stockholders have agreed, subject to customary exceptions, not to, without the prior written consent of Joseph Gunnar & Co., LLC, the representative of the underwriters, during the period ending 180 days from the date of this offering in the case of our directors and officers and 90 days from the date of this offering in the case of us and our stockholders who beneficially own more than 5% of our common stock, directly or indirectly, offer to sell, sell, pledge or otherwise transfer or dispose of any of shares of our common stock, enter into any swap or other derivatives transaction that transfers to another any of the economic benefits or risks of ownership of shares of our common stock, make any demand for or exercise any right or cause to be filed a registration statement, including any amendments thereto, with respect to the registration of any shares of common stock or securities convertible into or exercisable or exchangeable for common stock or any other securities of the Company or publicly disclose the intention to do any of the foregoing.

After the lock-up agreements with our principal stockholders pertaining to this offering expire 90 days from the date of this offering unless waived earlier by the representative, up to 415,347 of the shares that had been locked up will be eligible for future sale in the public market. After the lock-up agreements with our directors and officers and one principal stockholder pertaining to this offering expire 180 days from the date of this offering unless waived earlier by the managing underwriter, up to 792,658 of the shares (net of any shares also restricted by lock-up agreements with our principal stockholders) that had been locked up will be eligible for future sale in the public market. Sales of a significant number of these shares of common stock in the public market could reduce the market price of the common stock.

Following this offering, the market value of the warrants is uncertain and there can be no assurance that the market value of the warrants will equal or exceed their public offering price.

The warrants offered in this offering do not confer any rights of common stock ownership on their holders, such as voting rights or the right to receive dividends, but rather merely represent the right to acquire shares of our common stock at a fixed price for a limited period of time. Specifically, commencing on the date of issuance, holders of the warrants may exercise their right to acquire the common stock and pay an exercise price of 125% of the public offering price of our common stock in this offering, prior to five years from the date of issuance, after which date any unexercised warrants will expire and have no further value. Moreover, following this offering, the market value of the warrants is uncertain and there can be no assurance that the market value of the warrants will equal or exceed their public offering price. There can be no assurance that the market price of the common stock will ever equal or exceed the exercise price of the warrants, and consequently, whether it will ever be profitable for holders of the warrants to exercise the warrants.

Risks Related to Our Reverse Stock Split

Our reverse stock split may not increase our stock price sufficiently to enable us to list our common stock on The NASDAQ Capital Market, in which case this offering will not be completed.

We expect that the 1-for-35 reverse stock split of our outstanding common stock which was effected on May 1, 2017 will increase the market price of our common stock so that we will be able to meet the minimum bid price requirement of the Listing Rules of The NASDAQ Capital Market. However, the effect of a reverse stock split upon the market price of our common stock cannot be predicted with certainty, and the results of reverse stock splits by companies in similar circumstances have been varied. It is possible that the market price of our common stock following the reverse stock split will not increase sufficiently for us to be in compliance with the minimum bid price requirement. If we are unable meet the minimum bid price requirement, we may be unable to list our shares on The NASDAQ Capital Market, in which case this offering will not be completed.

Even if the reverse stock split achieves the requisite increase in the market price of our common stock, we cannot assure you that we will be able to continue to comply with the minimum bid price requirement of The NASDAQ Capital Market.

Even if the reverse stock split achieves the requisite increase in the market price of our common stock to be in compliance with the minimum bid price of The NASDAQ Capital Market, there can be no assurance that the market price of our common stock following the reverse stock split will remain at the level required for continuing compliance with that requirement. It is not uncommon for the market price of a company's common stock to decline in the period following a reverse stock split. If the market price of our common stock declines following the effectuation of a reverse stock split, the percentage decline may be greater than would occur in the absence of a reverse stock split. In any event, other factors unrelated to the number of shares of our common stock outstanding, such as negative financial or operational results, could adversely affect the market price of our common stock and jeopardize our ability to meet or maintain The NASDAQ Capital Market's minimum bid price requirement. In addition to specific listing and maintenance standards, The NASDAQ Capital Market has broad discretionary authority over the initial and continued listing of securities, which it could exercise with respect to the listing of our common stock.

Even if the reverse stock split increases the market price of our common stock, there can be no assurance that we will be able to comply with other continued listing standards of The NASDAQ Capital Market.

Even if the market price of our common stock increases sufficiently so that we comply with the minimum bid price requirement, there can be no assurance that we will be able to comply with the other standards that we are required to meet in order to maintain a listing of our common stock on The NASDAQ Capital Market. Our failure to meet these requirements may result in our common stock being delisted from The NASDAQ Capital Market, irrespective of our compliance with the minimum bid price requirement.

The reverse stock split may decrease the liquidity of the shares of our common stock.

The liquidity of the shares of our common stock may be affected adversely by the reverse stock split given the reduced number of shares that will be outstanding following the reverse stock split, especially if the market price of our common stock does not increase following the reverse stock split. In addition, the reverse stock split may increase the number of stockholders who own odd lots (less than 100 shares) of our common stock, creating the potential for such stockholders to experience an increase in the cost of selling their shares and greater difficulty effecting such sales.

Following the reverse stock split, the resulting market price of our common stock may not attract new investors, including institutional investors, and may not satisfy the investing requirements of those investors. Consequently, the trading liquidity of our common stock may not improve.

Although we believe that a higher market price of our common stock may help generate greater or broader investor interest, there can be no assurance that the reverse stock split will result in a share price that will attract new investors, including institutional investors. In addition, there can be no assurance that the market price of our common stock will satisfy the investing requirements of those investors. As a result, the trading liquidity of our common stock may not necessarily improve.

USE OF PROCEEDS

We estimate that the net proceeds from the sale of the common stock and warrants in the offering will be approximately $9,800,000, based on an assumed public offering price of $5.00 per share of common stock (the mid-point of the estimated offering price range described on the cover page of this prospectus) and warrants at a price of $0.01 per warrant exercisable at $_____ per share (125% of the public offering price of one share of common stock based on an assumed initial offering price of $5.00 per share, the mid-point of the estimated offering price range described on the cover page of this prospectus) after deducting the underwriting discounts and commissions and estimated offering expenses, or $11,500,000 if the underwriters exercise their over-allotment option in full.

We currently expect to use the net proceeds of this offering primarily for the following purposes:

- $1,842,105 to pay off in full the debt held by JMJ Financial under the terms of the Note. As disclosed under Recent Developments herein, the funding provided to the Company by JMJ Financial was in the amount of $1,750,000, is interest free and was loaned to the Company with an original issue discount of 5%;
- approximately $2,900,000 for research and development for new products and improvements to existing products including, but not limited to, hiring of key personnel, and material costs for research activities;
- approximately $1,400,000 to upgrade sales and marketing capabilities, including but not limited to professional relations, advertising, software implementation and adding additional staff; and
- the remainder for capital expenditures, working capital and other general corporate purposes, and possibly acquisitions of other companies, products or technologies, though no such acquisitions are currently contemplated.

We believe that the expected net proceeds from this offering and our existing cash and cash equivalents, together with interest thereon, will be sufficient to fund our operations for at least the next 12 months, although we cannot assure you that this will occur.

The amount and timing of our actual expenditures will depend on numerous factors, including the status of our development efforts, sales and marketing activities and the amount of cash generated or used by our operations. We may find it necessary or advisable to use portions of the proceeds for other purposes, and we will have broad discretion and flexibility in the application of the net proceeds. Pending these uses, the proceeds will be invested in short-term bank deposits.

MARKET FOR OUR COMMON STOCK AND RELATED STOCKHOLDER MATTERS

Our common stock is quoted on the OTC Markets Group Inc.'s OTCQB quotation platform (the "OTCQB") under the trading symbol "DUOT". We have applied to the NASDAQ Capital Market to list our common stock under the symbol "DUOT" and our warrants under the symbol "DUOTW.

NASDAQ listing requirements include, among other things, a stock price threshold. As a result, prior to effectiveness, on April 26, 2017, we filed the Amendment to effectuate the Reverse Split. On April 28, 2017, the Reverse Stock Split was approved by the Financial Industry Regulatory Authority and was effected in the OTC Marketplace on May 1, 2017.

As of July 14, 2017, there were approximately 294 holders of record of our common stock, and the last reported sale price of our common stock on the OTCQB on July 13, 2017 was $4.11 per share.

Our common stock was initially quoted on the OTCQB in 2008 under the symbol "IOSA" and the following table sets forth the high and low sales price of our common stock on the OTCQB for the last two fiscal years and for the current fiscal year through the most recent fiscal quarter. These prices are based on inter-dealer bid and asked prices, without markup, markdown, commissions, or adjustments and may not represent actual transactions.

PERIOD	High	Low
Fiscal Year Ending December 31, 2017:		
Quarter Ended June 30, 2017	$ 7.00	$ 4.00
Quarter Ended March 31, 2017	$ 8.75	$ 1.05
Fiscal Year Ending December 31, 2016:		
Quarter Ended December 31, 2016	$ 3.50	$ 0.70
Quarter Ended September 30, 2016	$ 6.30	$ 3.15
Quarter Ended June 30, 2016	$ 10.50	$ 3.50
Quarter Ended March 31, 2016	$ 10.50	$ 7.00
Fiscal Year Ending December 31, 2015:		
Quarter Ended December 31, 2015	$ 14.00	$ 7.00
Quarter Ended September 30, 2015	$ 15.75	$ 7.00
Quarter Ended June 30, 2015	$ 57.75	$ 13.30
Quarter Ended March 31, 2015	$ 56.00	$ 14.00

DIVIDEND POLICY

To date, we have not paid any dividends on our common stock and do not anticipate paying any such dividends in the foreseeable future. The declaration and payment of dividends on the common stock is at the discretion of our board of directors and will depend on, among other things, our operating results, financial condition, capital requirements, contractual restrictions or such other factors as our board of directors may deem relevant. We currently expect to use all available funds to finance the future development and expansion of our business and do not anticipate paying dividends on our common stock in the foreseeable future. Additionally, pursuant to the senior secured note issued to GPB Debt Holdings II, LLC, the Company and its subsidiaries will not directly, or indirectly, redeem, repurchase or declare or pay any cash dividend so as long as such note remains outstanding.

CAPITALIZATION

The following table sets forth our consolidated cash and cash equivalents and capitalization as of March 31, 2017. Such information is set forth on the following basis:

- an actual basis;
- an as adjusted basis, giving effect to (i) repayment of amounts owed under the JMJ Financing and (ii) the sale of the shares and warrants in this offering at the assumed public offering price of $5 per share and $0.01 per warrant, after deducting underwriting discounts and commissions and other estimated offering expenses payable by us and (iii) conversion of $1,307,387 of debt and accrued expenses into 261,477 shares of common stock and 261,477 warrants at the assumed public offering price of $5 per share.

The as adjusted information below is illustrative only and our capitalization following the completion of this offering will be adjusted based on the actual public offering price and other terms of this offering determined at pricing. You should read this table together with "Management's Discussion and Analysis of Financial Condition and Results of Operations" and our audited and unaudited consolidated financial statements and the related notes appearing elsewhere in this prospectus.

	As of March 31, 2017	
	Actual	As Adjusted[(1)]
Cash	$ 53,185	$ 8,241,080
Total Other Assets	996,119	996,119
Total liabilities	8,550,390	2,081,110
Redeemable Convertible Cumulative Preferred Stock Series A 500,000 shares authorized, 29,600 shares issued and outstanding at December 31, 2016, $10 per share redemption amount plus dividends in arrears	307,840	307,840
Stockholders' deficit:		
Preferred Stock, $0.001 par value; 10,000,000 shares authorized; 9,500,000 available to be designated; 0 shares issued and outstanding actual, 0 shares issued and outstanding pro forma	—	—
Common Stock, $0.001 par value; 500,000,000 shares authorized; 1,894,923 shares issued and outstanding actual, 4,090,523 shares issued and outstanding as adjusted	1,895	4,091
Treasury stock	(148,000)	—
Additional paid-in capital	18,156,627	31,697,460
Accumulated deficit	(25,819,448)	(24,731,313)
Total stockholders' equity (deficit)	(7,808,926)	6,970,238
Capitalization	$ 1,049,304	9,359,188

(1) A $1.00 increase or decrease in the assumed public offering price per share would increase or decrease our as adjusted cash and cash equivalents, additional paid-in capital, total stockholders' equity and total capitalization by approximately $2.0 million assuming the number of shares offered by us, as set forth on the cover page of this prospectus, remains the same and after deducting the underwriting discount and estimated offering expenses payable by us.

DILUTION

The historical net tangible book value (deficit) of our common stock as of March 31, 2017 was approximately $(7,551,135), or $(3.98) per share based upon shares of common stock outstanding on such date. Historical net tangible book value (deficit) per share represents the amount of our total tangible assets reduced by the amount of our total liabilities, divided by the total number of shares of common stock outstanding.

Our adjusted net tangible book value (deficit) of our common stock will be $7,228,029 or $1.77 per share. Adjusted net tangible book value (deficit) per share represents adjusted net tangible book value divided by the total number of shares outstanding after giving effect to (i) repayment of amounts owed under the JMJ Financing, (ii) the sale of the shares and warrants in this offering at the assumed public offering price of $5 per share and $0.01 per warrant, after deducting underwriting discounts and commissions and other estimated offering expenses payable by us, and (iii) the conversion of promissory notes and the related party conversion as described on page 8 herein. This represents an immediate increase in as adjusted net tangible book value of $5.75 per share to existing stockholders and an immediate dilution of $3.23 per share to investors purchasing shares of common stock in this offering at the assumed public offering price.

The following table illustrates this dilution on a per share basis to new investors:

Assumed public offering price per share		$ 5.00
Net tangible book value per share as of March 31, 2017	$ (3.98)	
Increase in net tangible book value per share attributable to new investors	$ 5.75	
As adjusted net tangible book value per share after giving effect to this offering		$ 1.77
Dilution in net tangible book value per share to new investors		$ 3.23

If the underwriter's overallotment option is exercised, our adjusted net tangible book value following the offering will be $1.98 per share, and the dilution to new investors in the offering will be $3.02 per share.

A $1.00 increase or decrease in the assumed public offering price per share would increase or decrease our pro forma as adjusted net tangible book value after this offering by approximately $2,000,000, and dilution per share to new investors by approximately $2.73 for an increase of $1.00, or $3.73 for a decrease of $1.00, after deducting the underwriting discount and estimated offering expenses payable by us.

CAUTIONARY NOTE REGARDING FORWARD-LOOKING STATEMENTS

This prospectus contains forward-looking statements. Forward-looking statements give our current expectations or forecasts of future events. You can identify these statements by the fact that they do not relate strictly to historical or current facts. Forward-looking statements involve risks and uncertainties and include statements regarding, among other things, our projected revenue growth and profitability, our growth strategies and opportunity, anticipated trends in our market and our anticipated needs for working capital. They are generally identifiable by use of the words "may," "will," "should," "anticipate," "estimate," "plans," "potential," "projects," "continuing," "ongoing," "expects," "management believes," "we believe," "we intend" or the negative of these words or other variations on these words or comparable terminology. These statements may be found under the sections entitled "Management's Discussion and Analysis of Financial Condition and Results of Operations" and "Business," as well as in this prospectus generally. In particular, these include statements relating to future actions, prospective products, market acceptance, future performance or results of current and anticipated products, sales efforts, expenses, and the outcome of contingencies such as legal proceedings and financial results.

Examples of forward-looking statements in this prospectus include, but are not limited to, our expectations regarding our business strategy, business prospects, operating results, operating expenses, working capital, liquidity and capital expenditure requirements. Important assumptions relating to the forward-looking statements include, among others, assumptions regarding demand for our products, the cost, terms and availability of components, pricing levels, the timing and cost of capital expenditures, competitive conditions and general economic conditions. These statements are based on our management's expectations, beliefs and assumptions concerning future events affecting us, which in turn are based on currently available information. These assumptions could prove inaccurate. Although we believe that the estimates and projections reflected in the forward-looking statements are reasonable, our expectations may prove to be incorrect.

Important factors that could cause actual results to differ materially from the results and events anticipated or implied by such forward-looking statements include, but are not limited to:

- changes in the market acceptance of our products;
- increased levels of competition;
- changes in political, economic or regulatory conditions generally and in the markets in which we operate;
- our relationships with our key customers;
- our ability to retain and attract senior management and other key employees;
- our ability to quickly and effectively respond to new technological developments;
- our ability to protect our trade secrets or other proprietary rights, operate without infringing upon the proprietary rights of others and prevent others from infringing on the proprietary rights of the Company; and
- other risks, including those described in the "Risk Factors" discussion of this prospectus.

We operate in a very competitive and rapidly changing environment. New risks emerge from time to time. It is not possible for us to predict all of those risks, nor can we assess the impact of all of those risks on our business or the extent to which any factor may cause actual results to differ materially from those contained in any forward-looking statement. The forward-looking statements in this prospectus are based on assumptions management believes are reasonable. However, due to the uncertainties associated with forward-looking statements, you should not place undue reliance on any forward-looking statements. Further, forward-looking statements speak only as of the date they are made, and unless required by law, we expressly disclaim any obligation or undertaking to publicly update any of them in light of new information, future events, or otherwise.

MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

This Registration Statement on Form S-1 and other reports filed by the Company from time to time with the SEC (collectively, the "Filings") contain or may contain forward-looking statements and information that are based upon beliefs of, and information currently available to, the Company's management as well as estimates and assumptions made by Company's management. Readers are cautioned not to place undue reliance on these forward-looking statements, which are only predictions and speak only as of the date hereof. When used in the Filings, the words "anticipate," "believe," "estimate," "expect," "future," "intend," "plan," or the negative of these terms and similar expressions as they relate to the Company or the Company's management identify forward-looking statements. Such statements reflect the current view of the Company with respect to future events and are subject to risks, uncertainties, assumptions, and other factors, including the risks relating to the Company's business, industry, and the Company's operations and results of operations. Should one or more of these risks or uncertainties materialize, or should the underlying assumptions prove incorrect, actual results may differ significantly from those anticipated, believed, estimated, expected, intended, or planned.

Although the Company believes that the expectations reflected in the forward-looking statements are reasonable, the Company cannot guarantee future results, levels of activity, performance, or achievements. Except as required by applicable law, including the securities laws of the United States, the Company does not intend to update any of the forward-looking statements to conform these statements to actual results.

Our financial statements are prepared in accordance with accounting principles generally accepted in the United States ("GAAP"). These accounting principles require us to make certain estimates, judgments and assumptions. We believe that the estimates, judgments and assumptions upon which we rely are reasonable based upon information available to us at the time that these estimates, judgments and assumptions are made. These estimates, judgments and assumptions can affect the reported amounts of assets and liabilities as of the date of the financial statements as well as the reported amounts of revenues and expenses during the periods presented. Our financial statements would be affected to the extent there are material differences between these estimates and actual results. In many cases, the accounting treatment of a particular transaction is specifically dictated by GAAP and does not require management's judgment in its application. There are also areas in which management's judgment in selecting any available alternative would not produce a materially different result. The following discussion should be read in conjunction with our financial statements and notes thereto appearing elsewhere in this Registration Statement on Form S-1.

Our Company

Duos Technologies Group was incorporated in Florida on May 31, 1994 (the "Company") under the original name of Information Systems Associates ("ISA"). Initially, our business operations consisted of consulting services for asset management of large corporate data centers and development and licensing of Information Technology (IT) asset management software. In late 2014, ISA entered negotiations with Duos Technologies, Inc. ("DTI"), for the purposes of executing a reverse triangular merger. This transaction was completed on April 1, 2015. DTI was incorporated under the laws of Florida on November 30, 1990 for design, development and deployment of proprietary technology applications and turn-key engineered systems. The Company, based in Jacksonville, Florida, employs approximately 41 people and is a technology company with a strong portfolio of intellectual property, with core competencies that include advanced intelligent technologies that are delivered through its proprietary integrated enterprise command and control platform.

The Company through its operating subsidiary DTI is primarily engaged in the design and deployment of state-of-the-art, artificial intelligence driven intelligent technologies systems. The Company converges traditional security measures with information technologies to create "actionable intelligence."

The Company's strategy includes continued expansion of its technology base through organic development efforts, strategic partnerships, and growth through strategic acquisitions. The Company's primary target industry sectors include transportation, with emphasis on freight and transit railroad owners/operators, petro-chemical, utilities and healthcare. Our strategy for the next 12 months is to continue to pursue key target markets described and expand the offerings within those markets as available capital allows.

Specifically, based upon a successful capital raise, the Company intends to undertake to invest in sales and marketing resources to broaden its reach into the target markets, evaluate key requirements within those markets and add development resources to allow us to compete for additional projects thereby driving revenue growth. In addition, the original business of IT Asset Management (ITAM) services for large data centers is now operated as a division of the Company that continues its sales efforts through large strategic partners.

Results of Operations

The following discussion should be read in conjunction with the consolidated financial statements included in this Form S-1.

Comparison for the Three Months Ended March 31, 2017 Compared to Three Months Ended March 31, 2016

The following table sets forth a modified version of our unaudited Consolidated Statements of Operations that is used in the following discussions of our results of operations:

	For the Three Months Ended March 31,	
	2017	2016
Revenue	$ 1,035,730	$ 1,004,243
Cost of Revenue	631,388	486,417
Gross profit	404,342	517,826
Operating expenses	1,260,107	1,285,207
Loss from operations	(855,765)	(767,381)
Other income (expense)	(1,439,054)	(70,999)
Net loss	(2,294,819)	(838,381)
Series A preferred stock dividends	(5,920)	—
Net loss applicable to common stock	$ (2,300,739)	$ (838,381)

Revenues

Revenues were $1,035,730 and $1,004,243 for the three months ended March 31, 2017 and 2016, respectively. The comparative 3% increase in revenue during 2017 was largely the result of the increase in project revenue and IT asset management services offset with the anticipated decrease in Maintenance and technical support as the business shifts its focus from legacy security products to advanced intelligence offerings. The 45% decrease in maintenance and technical support was all from one legacy customer who did not renew their contract at the end of 2016. The revenue from this line item will be replaced over the next reporting periods with an anticipated increase in consulting services for the rail business and recurring maintenance revenues from new projects after the initial maintenance free period.

Cost of Revenues

Costs of revenues were $631,388 and $486,417 for the three months ended March 31, 2017 and 2016, respectively. The increase in 2017 cost of the project implementation was related to increased costs for implementation of one international project with unanticipated additional travel and other expenses related to this specific project. Other increases in costs of revenues are generally in line with the increase in revenue in these categories with IT asset management services showing a slight improvement most related to economies of scale. It should be noted that the decrease in 2017 cost of the maintenance and technical support is due to the budgeted decrease in revenue.

Gross Profit

Gross Profit was $404,342 and $517,826 for the three months ended March 31, 2017 and 2016, respectively. The decrease in first quarter 2017 resulted from an isolated decline in margins in the project business for reasons described previously. This decrease is expected to be one-time in nature and that the overall year will be in line with previous gross profit performance. The decrease in gross profit was offset by lower costs overall in the maintenance and technical support and IT asset management areas but still resulted in a reduction of 24% in overall gross margin compared to the comparative quarter in 2016. Despite more aggressive pricing in the award of a large contract that makes up much of the revenue in that business line, unanticipated expenses related to initial implementation of a new product reduced the overall gross margins compared to the previous equivalent quarter. These cost overruns are expected to be a one-time event and that gross margin percentage are anticipated to be in line with previous years going forward.

Operating Expenses

Operating expenses for the three months ended March 31, 2017 and 2016 were $1,260,107 and $1,285,207 respectively, a decrease of $25,100. This decrease in expenses was mainly due to a decrease in contract labor and selling and marketing expenses of $167,858. However, this decrease was offset by an increase of $142,757 because of additional professional fees and general and administration expenses related to operating as a public company, expenses related to our corporate actions including a planned up-listing to a national exchange and additional spending on resources for the research and development department by the Company.

Loss Before Other Income (Expense)

The loss from operations for the three months ended March 31, 2017 and 2016 were $855,765 and $767,381, respectively. The increase in loss from operations was due to an isolated decline in project margins as previously described as well as increased spending on professional fees related to planned corporate actions.

Interest Expense

Interest expense for the three months ended March 31, 2017 and 2016 was $921,314 and $72,305 respectively. The increase in interest expense was almost entirely due to non-cash charges in connection with debt discount and warrant amortization expense for bridge financing entered into in late 2016. The bridge financing costs are expected to terminate once the Company completes a planned registered equity offering and the subject financing is repaid in full.

Warrant Derivative Loss

Warrant derivative loss for the three months ended March 31, 2017 and 2016 was $582,388 and zero, respectively. The large amount in 2017 was primarily the result of the non-cash warrant derivative expense related to the additional funding drawn against the Company's promissory note with JMJ Financial.

Other Income

Other income for the three months ended March 31, 2017 and 2016 was $64,648 and $1,306, respectively. The increased amount in 2017 was the result of a gain on settlement of debt of $64,647.

Net Loss

The net loss for the three months ended March 31, 2017 and 2016 was $2,294,819 and $838,381, respectively. The $1,456,438 increase in net loss is primarily attributable to the non-cash charges in 2017 of $1,503,702 in debt discount expense and warrant derivative expense on debt related to bridge financing. Net loss applicable to Common Stock was $2,300,739 in 2017 versus $838,381 in 2016, an increase of $1,462,358. The loss in 2017 included a charge for Preferred Stock Dividends of $5,920. Net loss per common share was $(1.21) and $(0.45) for the three months ended March 31, 2017 and 2016.

Comparison for the Years ended December 31, 2016 and December 31, 2015

Revenues

Revenues were $6,104,893 and $6,767,763 for the years ended December 31, 2016 and 2015, respectively. The comparative 10% decrease in revenue during 2016 was largely the result of the cancellation of a one-off project with one of the Company's large customers of approximately $2.4M. The cancellation was not a reflection on the Company's products but the result of a withdrawal of funding in conjunction with the federal government. This cancellation was partially offset by a new project within the Company's main business focus. Additionally, a forecasted decrease of $250,000 in maintenance and technical support services was offset with an increase in the Company's IT asset management services of $146,000 representing an increase of more than 27% growth in that business. The decrease in maintenance and technical support of more than 10% was due to the expiration of a service contract.

Cost of Revenues

Costs of revenues were $2,732,451 and $3,196,176 for the years ended December 31, 2016 and 2015, respectively. The decrease in 2016 cost of sales is due to the decrease in project revenue as well as in maintenance and technical support. The increase in cost of the IT asset management services is in line with the increase in revenue in this category but costs on some smaller sites of a large contract were proportionally larger which resulted in an overall higher cost of revenues in this business line.

Gross Profit

Gross Profit was $3,372,442 and $3,571,587 for the years ended December 31, 2016 and 2015, respectively. The decrease in 2016 resulted from the decrease in revenue by approximately the same percentage. Improving margins in the project business and lower costs overall in the maintenance and technical support areas resulted in a reduction of 6% in overall gross margin versus a reduction of 10% in overall revenues. More aggressive pricing in the award of a large contract that makes up much of the revenue in that business line, reduced the overall gross margins compared to the previous year.

Operating Expenses

Operating expenses for the years ended December, 2016 and 2015 were $5,116,548 and $5,798,895 respectively, a decrease of $682,347. The decrease in operating expenses was primarily due to a one-time impairment loss of $1,578,816 in 2015 because of the merger with Information Systems Associates, Inc. resulting in intangible assets being written off. Excluding this one-time charge, expenses related to operations were higher by $896,469. This increase in expenses was a conscious decision by management to pre-invest in certain resources and skill-sets that would be necessary to continue the Company's growth strategy. Our expenses also increased as a result of additional professional fees related to operating as a public company and additional spending on resource tools purchased for the research and development department by the Company.

Loss Before Other Income (Expense)

The loss from operations for the years ended, December 31, 2016 and 2015 were $1,744,106 and $2,227,308, respectively. The decrease in loss from operations was due to a one-time impairment loss of $1,578,816 in 2015 because of the merger with Information Systems Associates from intangible assets write-off. Excluding this one-time, non-cash, charge, the loss from ongoing operations was increased by more than 21% because of lower revenues and a net increase in operating expenses.

Interest Expense

Interest expense for the years ended December 31, 2016 and 2015 were $561,174 and $744,343 respectively. The decrease in interest expense was primarily due to the Company converting most of its convertible notes into common stock during 2015 which gave rise to a net amount of $216,271 in onetime non-cash charges in connection with the conversions and associated warrant issuances.

Other Income

Other income for the years ending December 31, 2016 and 2015 was $7,766 and $861,973 respectively. The large amount in 2015 was primarily the result of the settlement of a previously charged contingent lawsuit liability of $1,411,650 which was settled in late 2015 for a fixed amount of $550,000, resulting in a gain of $861,650.

Net Loss

The net loss for the years ended December 31, 2016 and 2015 was $2,561,613 and $2,325,950 respectively. The $235,663 increase in net loss is primarily attributable to one-time, non-cash charges for a one-time impairment loss in 2015 of $1,578,816 because of the merger with Information Systems Associates, Inc. resulting from the write-off of intangible assets thereby offsetting the decrease in revenue and cost of revenue in 2016. Net loss applicable to Common Stock was $2,567,533 in 2016 versus $2,325,950 in 2015, an increase of $241,583. The loss in 2016 included a charge for Preferred Stock Dividends of $5,920. Net loss per common share was $1.36 and $1.33 for the years ended December 31, 2016 and 2015, respectively.

Liquidity and Capital Resources

Cash flows used in operating activities for the three months ended March 31, 2017 and 2016 were $675,526 and $91,245, respectively. The increase in cash flows used in operations for the three months ended March 31, 2017 was due primarily to the non-cash warrant derivative expense and debt discount expense related to the promissory note with JMJ Financial with an offset of $229,373 positive variance in changes in assets and liabilities.

Cash flows used in investing activities for the three months ended March 31, 2017 and 2016 were $16,266 and $19,099, respectively representing minimum investments in certain assets during 2017 and 2016.

Cash flows provided by (used in) financing activities for the three months ended March 31, 2017 and 2016 were $570,601 and used $29,535, respectively. Cash flows from financing activities during 2017 were primarily attributable to proceeds from the draws on notes payable, partially offset by repayments of existing notes and short term credit facilities. Cash flows used for financing activities during 2016 were primarily for repayments of notes payable and insurance and equipment financing partially offset by proceeds from related party notes.

Since inception, we have funded our operations primarily through the sale of our equity (or equity linked) and debt securities. As of June 9, 2017, we had cash on hand of approximately $116,000. We have approximately $131,000 in monthly lease and other mandatory payments, not including payroll and ordinary expenses which are due monthly.

Overview

Because of the growing nature of the business, we project that we will need additional capital to fund operations over the next 12 months. We anticipate we will need an additional $3 million for the remainder of 2017, which we anticipate will be funded through this offering.

On a long-term basis, our liquidity is dependent on continuation and expansion of operations, receipt of revenues, and additional infusions of capital. Our current capital and revenues are insufficient to fund such expansion. If we choose to launch such an expansion campaign, we will require substantially more capital. The funds raised from any future offering will also be used to market our products and services as well as contribute to existing working capital needs.

Demand for the products and services will be dependent on, among other things, market acceptance of our products and services, the technology market in general, and general economic conditions, which are cyclical in nature. In as much as a major portion of our activities is the receipt of revenues from the sales of our products and services, our business operations may be adversely affected by our competitors and prolonged recession periods.

Our auditor has expressed substantial doubt regarding our ability to continue as a going concern. Management is unable to predict if and when we will be able to generate positive cash flow. Our plan regarding these matters is to raise additional debt and/or equity financing to allow us to cover our current cash flow requirements and meet our obligations as they become due. There can be no assurances that financing will be available or if available, that such financing will be available under favorable terms. If we are unable to generate adequate revenues to cover expenses and cannot obtain additional financing soon, we may seek protection under bankruptcy laws.

Reverse Split

On April 26, 2017, the Company filed Articles of Amendment to the Articles of Incorporation of the Company (the "Amendment") to effectuate a reverse split of the Company's issued and outstanding common stock at an exchange ratio of 1-for-35 (the "Reverse Split"). As a result of the Reverse Split, every thirty-five (35) shares of the Company's issued and outstanding common stock will be converted into one (1) share of issued and outstanding common stock. The number of authorized shares will remain unchanged. No fractional shares will be issued in connection with the Reverse Split. Any fractional shares of common stock resulting from the Reverse Split will be rounded up to the nearest whole share. It is not necessary for stockholders to exchange their existing stock certificates for new stock certificates in connection with the Reverse Split. Stockholders who hold their shares in brokerage accounts are not required to take any action to exchange their shares.

JMJ Financing Transaction

On December 20, 2016, we entered a bridge financing Securities Purchase Agreement with JMJ Financial, an accredited investor, for non-convertible debt financing in the amount up to $2,500,000. Our first draw was in the amount of $575,000 net of an OID of $30,263. The loan agreement contemplates a series of corporate actions leading to the Company raising at least $10 million in a registered offering. The loan is payable on the earlier of May 15, 2017 or the third business day after the closing of the Public Pursuant to the Note, the lender is obligated to provide the Company an additional $925,000 advance under the Note in tranches, as certain milestones, contained within the Note, are achieved. The lender may make further advances of up to $1,000,000($875,000 after deduction for original issue discounts for the entire $2.5M note) under the Note, in such amounts and at such times as the Parties may agree. The Company has drawn $750,000 during the first quarter after achieving scheduled milestones against the $925,000 and an additional $150,000 against the $1,000,000 available amount as of March 31, 2017 related to favorable settlement on an existing debt obligation that was in default. Although the note is not convertible per se, if the Company fails to repay the balance due under the Note when due, the lender has the right to convert all or any portion of the outstanding Note into shares of Common Stock, subject to the terms and conditions set forth in the Note. All amounts due under the Note become immediately due and payable upon the occurrence of an event of default as set forth in the Note.

On May 15, 2017, the Company was obligated to repay the principal due to JMJ Financial on the bridge loan totaling $1,627,632. On May 22, 2017, the Company obtained an amendment #1 to the Securities Purchase Agreement ("SPA") and the $2,500,000 Promissory Note ("Note"). This amendment extended the original Maturity Date for the Promissory Note from May 15, 2017 to June 15, 2017 ("Extended Maturity Date") and extended the Origination Shares issuance date in the Stock Purchase Agreement from May 30, 2017 to June 15, 2017. The Company expects to extend for an additional period to accommodate of the offering.

On June 15, 2017, the Company was obligated to repay the principal due to a lender on a bridge loan totaling $1,627,632. On July 12, 2017, the Company obtained an amendment #2 to the Securities Purchase Agreement ("SPA") and the $2,500,000 Promissory Note ("Note"). This amendment extended the original Maturity Date for the Promissory Note from June 15, 2017 to July 31, 2017 ("Extended Maturity Date") and extended the Origination Shares issuance date in the Stock Purchase Agreement from June 15, 2017 to July 31, 2017.

JMJ Financial conditionally waived the defaults for the Company's failure to meet the original Maturity Date of the Note and delivery date for the Origination Shares. JMJ Financial waived any damages, fees, penalties, liquidated damages, or other amounts or remedies otherwise resulting from such defaults through the Extended Maturity Date, and such conditional waiver is conditioned on the Company not being in default of and not breaching any term of the Note or the SPA or any other Transaction Document at any time subsequent to the date of the Amendment. If the Company triggers an event of default or breaches any term of the Note, the SPA, or the Transaction Documents at any time subsequent to the date of the Amendment, the Investor may issue a notice of default for the Company's failure to meet the original Maturity Date of the Note and original delivery date of the Origination Shares.

On January 25, 2017, the Company borrowed an additional $157,895 and received a net amount of $130,500 representing the second draw against the Securities Purchase agreement with JMJ Financial. Warrants in the amount of 30,075 were issued as per the agreement.

On February 8, 2017, the Company borrowed an additional $105,263 and received a net amount of $87,000 representing the third draw against the Securities Purchase agreement with JMJ Financial. Warrants in the amount of 20,050 were issued as per the agreement.

On February 27, 2017, the Company borrowed an additional $263,158 and received a net amount of $217,500 representing the fourth draw against the Securities Purchase agreement with JMJ Financial. Warrants in the amount of 50,138 were issued as per the agreement.

On March 6, 2017, the Company borrowed an additional $157,895 and received a net amount of $130,500 representing the fifth draw against the Securities Purchase agreement with JMJ Financial. Warrants in the amount of 30,075 were issued as per the agreement.

On March 14, 2017, the Company borrowed an additional $263,158 and received a net amount of $217,500 representing the sixth draw against the Securities Purchase agreement with JMJ Financial. Warrants in the amount of 50,138 were issued as per the agreement.

On April 25, 2017, the Company borrowed an additional $78,947 and received a net amount of $65,250 representing the sixth draw against the Securities Purchase agreement with JMJ Financial. Warrants in the amount of 15,038 were issued as per the agreement.

On June 1, 2017, the Company borrowed an additional $105,263 and received a net amount of $87,000 representing the seventh draw against the Securities Purchase agreement with JMJ Financial. Warrants in the amount of 20,050 were issued as per the agreement.

On June 27, 2017, the Company borrowed an additional $105,263 and received a net amount of $87,000 representing the eigth draw against the Securities Purchase agreement with JMJ Financial. Warrants in the amount of 20,050 were issued as per the agreement.

Off Balance Sheet Arrangements

We have no-off balance sheet contractual arrangements, as that term is defined in Item 303(a)(4) of Regulation S-K.

Critical Accounting Policies

The discussion and analysis of our financial condition and results of operations are based upon our consolidated financial statements, which have been prepared in accordance with generally accepted accounting principles in the United States. The preparation of these financial statements requires management to make estimates and judgments that affect the reported amounts of assets, liabilities, revenues, and expenses, and related disclosure of contingent assets and liabilities. On an ongoing basis, we evaluate our estimates. The most significant estimates in the accompanying consolidated financial statements include the allowance on accounts receivable, valuation of deferred tax assets, valuation of assets acquired and liabilities assumed in business combinations, valuation of intangible and other long-lived assets, estimates of percentage completion on projects and related revenues, valuation of stock-based compensation, valuation of derivatives, valuation of warrants issued with debt, valuation of beneficial conversion features in convertible debt, valuation of stock-based awards and valuation of loss contingencies. We base our estimates on historical experience and on various other assumptions that we believe are reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results may differ from these estimates.

We have identified the accounting policies below as critical to our business operations and the understanding of our results of operations.

Revenue Recognition and Contract Accounting

The Company generates revenue from three sources: (1) Project Revenue; (2) Maintenance and Technical Support and (3) IT Asset Management (consulting and auditing).

Project Revenue

The Company constructs intelligent technology systems consisting of materials and labor under customer contracts. Revenues and related costs on project revenue are recognized using the “percentage of completion method” of accounting in accordance with ASC 605-35, “Construction-Type and Production-Type Contracts”. Under this method, contract revenues are recognized over the performance period of the contract in direct proportion to the costs incurred as a percentage of total estimated costs for the entirety of the contract. Costs include direct material, direct labor, subcontract labor and other allocable indirect costs. All un-allocable indirect costs and corporate general and administrative costs are also charged to the periods as incurred. Any recognized revenues that have not been billed to a customer are recorded as an asset in “costs and estimated earnings in excess of billings on uncompleted contracts”. Any billings of customers in excess of recognized revenues are recorded as a liability in “billings in excess of costs and estimated earnings on uncompleted contracts”. However, in the event a loss on a contract is foreseen, the Company will recognize the loss when such loss is determined.

A contract is considered complete when all costs except insignificant items have been incurred and the installation is operating according to specifications or has been accepted by the customer.

The Company has contracts in various stages of completion. Such contracts require estimates to determine the appropriate cost and revenue recognition. Costs estimates are reviewed periodically on a contract-by-contract basis throughout the life of the contract such that adjustments to the profit resulting from revisions are made cumulative to the date of the revision. Significant management judgments and estimates, including the estimated costs to complete projects, must be made and used in connection with the revenue recognized in the accounting period. Current estimates may be revised as additional information becomes available.

Maintenance and Technical Support

Maintenance and technical support services are provided on both an as-needed and extended-term basis and may include providing both parts and labor. Maintenance and technical support provided outside of a maintenance contract are on an as-requested basis, and revenue is recognized as the services are provided. Revenue for maintenance and technical support provided on an extended-term basis is recognized ratably over the term of the contract.

For sales arrangements that do not involve multiple elements such as professional services, which are of short-term duration, revenues are recognized when services are completed.

IT Asset Management Services

The Company recognizes revenue from its IT asset management business in accordance with the Securities and Exchange Commission (the "SEC") Staff Accounting Bulletin No. 104, "Revenue Recognition" and Financial Accounting Standards Board (FASB) Accounting Standards Codification (ASC) 985-605-25 which addresses Revenue Recognition for the software industry. The general criteria for revenue recognition under ASC 985-605 for our Company, which sells software licenses, which do not require any significant modification or customization, is that revenue is recognized when persuasive evidence of an arrangement exists, delivery has occurred, the fee is fixed or determinable and collectability is probable.

The Company's IT asset management business generates revenues from three sources: (1) Professional Services (consulting and auditing); (2) Software licensing with optional hardware sales and (3) Customer Service (training and maintenance support).

For sales arrangements that do not involve multiple elements:

(1) Revenues for professional services, which are of short-term duration, are recognized when services are completed;
(2) For all periods reflected in this report, software license sales have been one time sales of a perpetual license to use our software product and the customer also has the option to purchase third party manufactured handheld devices from us if they purchase our software license. Accordingly, the revenue is recognized upon delivery of the software and delivery of the hardware, as applicable, to the customer;
(3) Training sales are one-time upfront short term training sessions and are recognized after the service has been performed; and
(4) Maintenance/support is an optional product sold to our software license customers under one year contracts. Accordingly, maintenance payments received upfront are deferred and recognized over the contract term.

Multiple Elements

Arrangements with customers may involve multiple elements including project revenue and maintenance services in our Intelligent Technology Systems business. Maintenance will occur after the project is completed and may be provided on an extended-term basis or on an as-needed basis. In our IT Asset Management business, multiple elements may include any of the above four sources. Training and maintenance on software products may occur after the software product sale while other services may occur before or after the software product sale and may not relate to the software product. Revenue recognition for multiple element arrangement is as follows:

Each element is accounted for separately when each element has value to the customer on a standalone basis and there is Company specific objective evidence of selling price of each deliverable. For revenue arrangements with multiple deliverables, the Company allocates the total customer arrangement to the separate units of accounting based on their relative selling prices as determined by the price of the items when sold separately. Once the selling price is allocated, the revenue for each element is recognized using the applicable criteria under GAAP as discussed above for elements sold in non-multiple element arrangements. A delivered item or items that do not qualify as a separate unit of accounting within the arrangement are combined with the other applicable undelivered items within the arrangement. The allocation of arrangement consideration and the recognition of revenue is then determined for those combined deliverables as a single unit of accounting. The Company sells its various services and software and hardware products at established prices on a standalone basis which provides Company specific objective evidence of selling price for purposes of multiple element relative selling price allocation. The Company only sells maintenance services or spare parts based on its established rates after it has completed a system integration project for a customer. The customer is not required to purchase maintenance services. All elements in multiple element arrangements with Company customers qualify as separate units of account for revenue recognition purposes.

Accounts Receivable

Accounts receivable are stated at estimated net realizable value. Accounts receivable are comprised of balances due from customers net of estimated allowances for uncollectible accounts. In determining the collections on the account, historical trends are evaluated and specific customer issues are reviewed to arrive at appropriate allowances. The Company reviews its accounts to estimate losses resulting from the inability of its customers to make required payments. Any required allowance is based on specific analysis of past due accounts and also considers historical trends of write-offs. Past due status is based on how recently payments have been received from customers.

Long-Lived Assets

The Company evaluates the recoverability of its property, equipment, and other long-lived assets in accordance with FASB ASC 360-10-35-15 “Impairment or Disposal of Long-Lived Assets”, which requires recognition of impairment of long-lived assets in the event the net book value of such assets exceed the estimated future undiscounted cash flows attributable to such assets or the business to which such intangible assets relate. This guidance requires that long-lived assets and certain identifiable intangibles be reviewed for impairment whenever events or changes in circumstances indicate that the carrying amount of an asset may not be recoverable. Recoverability of assets to be held and used is measured by a comparison of the carrying amount of an asset to future undiscounted net cash flows expected to be generated by the asset. If such assets are considered to be impaired, the impairment to be recognized is measured by the amount by which the carrying amount of the assets exceeds the fair value of the assets. Assets to be disposed of are reported at the lower of the carrying amount or fair value less costs to sell.

Derivative Instruments

ASC Topic 815, *Derivatives and Hedging* (“ASC Topic 815”), establishes accounting and reporting standards for derivative instruments and for hedging activities by requiring that all derivatives be recognized in the balance sheet and measured at fair value. Gains or losses resulting from changes in the fair value of derivatives are recognized in earnings or recorded in other comprehensive income (loss) depending on the purpose of the derivatives and whether they qualify and have been designated for hedge accounting treatment.

BUSINESS

Our Corporate History

We were incorporated on May 31, 1994 in the State of Florida as Information Systems Associates, Inc. (the "Company", "we", "us", "our"). Initially, our business operations consisted of consulting services for asset management of large corporate data centers and development and licensing of Information Technology (IT) asset management software. On April 1, 2015, we completed a reverse triangular merger, pursuant to an Agreement and Plan of Merger (the "Merger Agreement") among Duos Technologies, Inc., a Florida corporation ("DTI"), the Company, and Duos Acquisition Corporation, a Florida corporation and wholly owned subsidiary of the Company ("Merger Sub"). Under the terms of the Merger Agreement, the Merger Sub merged with and into DTI, whereby DTI remained as the surviving corporation and a wholly-owned subsidiary of the Company (the "Merger"). On the same date, TrueVue 360, Inc. a Delaware corporation became a wholly owned subsidiary of the Company. In connection with the Merger, on July 10, 2015, the Company effected a name change to Duos Technologies Group, Inc. The Company was not and had never been a shell company.

Overview

The Company, through its wholly owned subsidiary DTI, focuses on the design, development and turnkey delivery of proprietary "intelligent technologies" that enable our customers to derive measurable increases in return on investment for their business. Our technologies integrate with our customer's existing business process and create actionable information to streamline mission critical operations. Our target market is the largest transportation, industrial and retail corporations representing over $100 billion in total available market. Our technologies have been verified by multiple government and private organizations including Johns Hopkins University Applied Physics Laboratory (JHU/APL), the Department of Homeland Security (DHS), and the Transportation Technology Center, Inc., a wholly owned subsidiary of the Association of American Railroads, and a transportation research and testing organization (TTCI). The Company has worked with these organizations over the past several years where we have supplied funded prototypes of our technologies to verify technology and operating parameters.

The Company provides a broad range of sophisticated intelligent technology solutions with an emphasis on security, inspection and operations for critical infrastructure within a variety of industries including transportation, healthcare, retail, law enforcement, oil and gas and utilities sectors. Our business operations are in two business units: intelligent technologies and IT asset management. Our proprietary applications, specific to critical infrastructure, include but are not limited to:

Intelligent Rail Inspection Portal

- A suite of several sub-systems for the automated inspection of freight or transit railcars while in motion. The objective is to automatically detect a variety of anomalies such as open or missing hatches, open cargo doors, illegal riders hiding in cargo wells, and foreign objects hidden under a car undercarriage, all while the train is traveling through various strategic areas (i.e. border crossings or inspection areas).

Tunnel and Bridge Security

- A suite of artificial intelligence-based homeland security applications for the security of critical tunnels and bridges.

Virtual Security Shield

- A suite of artificial intelligence-based homeland security applications for the security of critical areas and buffer zones. This application includes intrusion detection zone, Radio Frequency Identification (RFID) tracking and discriminating "Friend or Foe" modules (Friend or Foe refers to a Radio Frequency - based tagging system that validates individuals authorized to be in a specific area).

Facility Safety and Security

- A suite of artificial intelligence-based homeland security applications for the "hardening" or safety and resilience of facilities against natural or man originated threats for the protection of critical facilities (energy, water, chemical facilities). The Company and all of its staff are CFATS (Chemical Facility Anti-Terrorism Standards) certified.

Remote Bridge Operation

- Proprietary system for remote control of draw bridges.

Collision Alert, Monitoring and Impact Analysis System

- A system designed to automatically detect, document and record maritime vessels colliding with bridge structures, thereby causing significant damages, in real-time.

Pantograph Inspection System

- A system designed to inspect pantographs (structure connecting transit locomotives to high voltage power lines) for the detection of excessive depletion of carbon liners, which may cause power line ruptures.

Vehicle Undercarriage Examiner (Security)

- A system that builds upon our current undercarriage inspection technology. This second generation unit is able to inspect the undercarriage of railcars (both freight and transit rail) traveling at speeds of up to 70 miles per hour.

Vehicle Undercarriage Examiner (Mechanical Inspection)

- Under a similar development grant from the TTCI (the technology evaluation arm of the American Association of Railroads ("AAR")), we developed a prototype targeting mechanical and structural anomalies of undercarriage components. The addition of algorithms for an increasing number of automated detection of anomalies is a continuing development, which once completed and successfully tested, may have a significant impact on our revenues. The next version upgrade is scheduled to be completed by the end of the second quarter of 2017.

Multi-Layered Enterprise Command and Control Interface

- Aggregator and central point for information consolidation, systems management and communications of our proprietary systems and third-party applications.

Several significant new programs and technologies are currently under development and in various stages of maturity. Some of the more significant developments are:

Neural Network Modeling for detection algorithms

- A neural network is a powerful computational data model, able to capture and represent complex input/output relationships. The neural network includes the development of an artificial system that could perform "intelligent" tasks like those performed by the human brain, including the acquisition of knowledge through deep learning, which is stored within inter-neuron connection strengths known as synaptic weights.

Automated Retail Facility Logistics

- We are currently in the process of developing a comprehensive system to automate facility security gate operations.

Transit Rail Platform Analytics

- We have been selected by the New York City Transit Authority ("NYCT") to provide a pilot (proof of concept) of our Platform Analytics Technology concept. The technology is designed to automatically detect objects falling on tracks adjacent to transit passenger platforms and to alert incoming rail traffic to that effect.

Intelligent Pedestrian Identification Portal

- A system that will integrate several biometric data points from inbound and outbound pedestrians to and from the US. The system will enable US Customs to automatically capture critical biometric data from visitors "entering" and "leaving" the country without slowing down pedestrian traffic. The data will be processed by our combined praesidium® and centraco® platforms and result in the capability of tracking inbound visitors that overstay their permitted visa duration. We have submitted a comprehensive proposal to receive an award for a pilot system for proof of concept during the current fiscal year.

Our Customers

DTI, our wholly owned subsidiary, operates our Intelligent Technologies Division which develops and implements an array of sophisticated, proprietary technology applications and turnkey engineered systems. Initially developed and deployed for homeland and border security, these applications are used by major freight rail operators (also known as Class-1, such as Union Pacific, CSX, and KCS). After achieving initial success in the transportation industry, the Company broadened its market reach, adapting its proprietary technologies to a suite of applications. This suite of applications now services the commercial, industrial, healthcare, utilities and government sectors. Our current major customers include Amtrak, Burlington Northern (BNSF), Concho Oil, Conrail, CSX, Chicago Metra, Metrolink, Kansas City Southern de Mexico (KCSM), Ferromex, Kohl's, Olin Chemical, TTCI and Union Pacific.

Additionally, DTI operates our IT Asset Management ("ITAM") division which provides infrastructure and device audit services for large data centers. In 2010 we were awarded a process patent for our methodology for the efficient data collection and audit of IT assets. The Company markets its ITAM services through strategic partners.

Our goal is to provide our end users with improved situational awareness and overall efficiencies in operations by leveraging "smart" technology as a force multiplier. Our established customer base includes Class 1 Railroads (freight and transit), transportation, healthcare, retail, law enforcement, oil and gas and utilities sectors as well as the largest and most complex data centers. Our current technology solutions are designed for specific industries, however, the underlying core technologies are industry agnostic and suitable for adaptation to a wide range of applications and industries.

Market

At this time, our primary target market is rail transportation. We implement our products in railcar security inspection with a focus on providing our customers with the capability of performing mission critical security inspections of inbound trains crossing US borders from a centralized, remote location. The U.S. Customs and Border Protection ("CBP") agency uses our systems at U.S./Mexican border rail crossings. Additionally, opportunities exist within the entire operating environment with initial emphasis on freight carriers by providing mechanical inspection portals for the remote inspection of railcars while traveling at high speeds. Unlike trucks, barges, and airlines, freight railroads operate almost exclusively on infrastructure that they own, build, and maintain. According to the AAR article on Freight Railroad Capacity and Investment dated April 2016, from 1980 to 2015 freight railroads alone reinvested approximately $600 billion of their own funds in capital expenditures and maintenance projects related to locomotives, freight cars, tracks, bridges, tunnels and other infrastructure related equipment. The AAR further reports, that more than 40 cents out of every revenue dollar is reinvested into a rail network.

According to AAR's statistical railroad report, there are approximately 1.56 million freight cars and 26,574 locomotives in service operated on approximately 250,000 miles of active rail tracks throughout North America. Rail tracks are predominantly owned by the Class-I railroad industry which include:

Class-I Railroads	Tracks Owned in:		
	Canada	USA	Mexico
BNSF Railway	✓	✓	x
Canadian National Railway (CN)	✓	✓	x
Canadian Pacific	✓	✓	x
CSX Transportation	✓	✓	x
Ferrocarril Mexicano (Ferromex)	x	x	✓
Kansas City Southern Railway	x	✓	✓
Norfolk Southern	✓	✓	x
Union Pacific Railroad	x	✓	x

The report further elaborates that profitability of rail operators is measured by their operating ratio, which is the rail operator's operating expenses as a percentage of revenue. According to AAR's Annual Spending Data report, the labor cost to run and maintain trains represent a significant portion of their total operating expenses. Revenue is mostly affected by the average "velocity" of its rolling stock, which determines how much freight or how many passengers a rail operator can transport between destinations and the average speeds. Railroads implement their own speed limits within Federal Railroad Administration (FRA) guidelines. Average speed is impacted by many factors including, but not limited to:

- track curvatures and condition, signaling, and stoppages for inspections (security and mechanical);
- grade crossings; and
- physical condition of locomotives and railcars

Freight trains are considered massive in size and weight. Thus, worn or broken parts can have a significantly negative impact on operations. Quicker detection can prevent costly car and track repairs, and derailments. Early detection has the potential to dramatically increase velocity and direct profitability.

Examples include inspections at rail border crossings by CBP agents, which can often lead to significant delays and mandated mechanical inspections. Under FRA regulations, each time a railcar departs a yard, terminal, or industrial facility, it is required to be inspected by either a qualified mechanical inspector or a train crew member for specific defects that would adversely affect the safe operation of the train. There is currently over 70 mechanical and safety inspection criteria, therefore the inspection process typically takes between two and three hours (dwell time) during which each train is "grounded" in a maintenance yard. In addition, the current railcar inspection process is tedious, labor intensive, dangerous, and in general, lacks the level of objectivity that may be achievable using technology.

In order to effectively detect structural or mechanical defects, railcar inspectors today need to walk around the car and crawl underneath the undercarriage with a flashlight to inspect each physical component. Because this process is so lengthy, and hazardous, it is only utilized for pre-departure mechanical inspections. Otherwise, cars are only inspected with this level of scrutiny in shops before undergoing major repairs. In addition to the inherent safety and efficiency challenges of manual inspections, records of these inspections are generally not retained unless a billed repair is performed. Thus, the maintenance of railcar structural components is almost entirely reactive rather than predictive, making repairs and maintenance less efficient.

For many years, the rail industry, through the AAR and its subsidiary TTCI, has been evaluating the feasibility of using technology, and has most recently focused on the objective of performing remote mechanical inspections prior to a train arriving at a rail yard. In the first phase, car inspectors would remotely perform visual inspections of multiple train "consists", which are a group of rail vehicles which are permanently or semi-permanently coupled together to form a unified set of equipment, from a regional inspection station, and generate work orders for detected anomalies. These will be distributed to the respective yards prior to a train arriving at the yard facility. The time-consuming process of physical inspection would be significantly reduced, leading to a significant increase in average velocity and decreased labor cost. We believe this lends itself to the natural progression of automating the inspection process, taking inspectors from the physical inspection to the required actions for diagnosing and resolving issues.

The second phase is to convert the inspection process to a complete automated system that will inspect the entire car via an "intelligent system". This would implement a wayside inspection portal employing a combination of sensors capturing live images and sensor data, of each side, top and undercarriage. Software algorithms interpret the data to identify defects or anomalies. This inspection technology increases average speed and consequently overall return on investment of our customers due to the following:

1. The safety risks associated with manual car inspection will be minimized through reduced exposure to potential yard hazards; and
2. Reducing inspection time will increase yard efficiency and improve overall network capacity by also reducing the time needed to process inbound and outbound trains.

We believe that the evolution of automating the inspection processes is broadly advocated throughout the industry. In our experience, the freight rail companies are constantly seeking out innovative ways to increase capacity and improve efficiencies while increasing safety and security standards. A recently launched aggressive plan to automate the mechanical inspection process is at the core of our market opportunity.

Our Products and Systems - Technology Platforms

The Company's solution is comprised of two core technology platforms: praesidium® and centraco®.

These in-house developed software suites are distributed as licensed software suites, and form the centerpiece of our engineered turnkey systems. Each integrated system encompasses three major components:

1. The data collectors, including specialized cameras integrated by the Company and other sensors that are specific to the customers' requirements (third party supplied or pre-existing);
2. praesidium®, the analytics software suite which performs real-time analysis of the data generated by the Company; and
3. centraco®, the multi-layered presentation interface which graphically depicts the data analyzed and identifies anomalies and provides actionable intelligence.

Since 2002, we have developed and patented key software components that provide a significant competitive advantage in specialized solutions for our target markets. We believe an important factor in this development is that the Company's intellectual property is "industry agnostic" and can be deployed to many different industries. The following technical descriptions of praesidium® and centraco® provide further insight.

praesidium® Intelligent Analytics Suite

praesidium® is an integrated suite of analytics applications which both process and analyze data streams from a virtually unlimited number of conventional or specialized sensors and/or data points. Our algorithms compare analyzed data against user-defined criteria and rules in real time and automatically report any exceptions, deviations and/or anomalies. This application suite also includes a broad range of conventional operational system components and sub-systems, including an embedded feature-rich video management engine and a proprietary Alarm Management Service ("AMS"). The AMS provides continuous monitoring of all connected devices, processes, equipment and sub-systems, and automatically communicates to centraco®, the Company's enterprise information management suite if and when an issue, event or performance anomaly is detected. The processed information is instantly distributed simultaneously to an unlimited number of users in a visualized and correlated user interface using the centraco® command and control platform.

Our core modules are tailored to specific industry applications and the analytics engine(s) process any type of conventional sensor outputs, also adding "intelligence" to any third-party sensor technology. A key benefit is that the customer may often retain existing systems and we would integrate these into an overall solution.

Key praesidium® Modules (1):

Module Name	Description
Adm	Tracks objects and filters images.
BoatTrackandDetect	Detects the movement of a boat using a fixed camera then uses a Pan-Tilt-Zoom ("PTZ") camera to follow it.
C3 / C2 (CII.dll)	Human tracking module.
FodDraw -Legacy	Draws ellipses around points identified by the Foreign Object Detection ("FOD") engine.
GFAG	The Automated Pantograph Inspection System (apis®) incorporating praesidium® intelligent video analytics automatically captures, inspects and processes real time images from trains passing one of three inspection points. Cameras mounted above the track capture high-resolution digital images of all pantographs. At the same time, an RFID reader captures the unique car number from the passing railcar by reading an RFID tag mounted on the top of each car. Each pantograph image and corresponding car number are bundled, transmitted to the RVSPRO™ digital server, and stored in the provided SQL database as a single record. The captured images are sorted automatically to show the most recent pantographs for each car and potential defects for each pantograph.
Gudm – Legacy	Encompasses the various detection modules.
IpPtz	Current PTZ control module – controls both serial and IP PTZ cameras.
LaserCapture	Sub component of the Rail Inspection Portal ("rip®") module – captures video frame for open door and hatch as directed by lasertech.

LaserTech	rip® module – orchestrates open door, open hatch detections, car separations. Interface for the lasers, AEI reader and the VIEW/Gatekeeper system.
LiveStitch	rip® module – creates panorama tiles for side and top view.
Ptz	Legacy ptz control.
Stitcher	rip® module – legacy – similar to LiveStitch.
Stitcher2	rip® module – legacy – similar to LiveStitch.
TrainDetection	The role of the train detection module is to detect the presence/absence of a train within a predefined zone.
TRIDS	rip® module – train rider detection.
VideoCheck	Checks the integrity of a video feed. It checks for fps.
WrongWay	Detects the direction of a train/human and alarms if the direction is opposite of the allowed direction.
WWII	Legacy – WrongWay detection.
ZoneOccup	Detects the presence/absence of an object within a predefined zone.
AMS.exe	This module receives input from multiple sensors and detection modules. The sensors range from emergency communication ("EMCOM") buttons, fire alarm panels, Ethertrak devices, power distribution units ("PDU"s), web relays and video analytics modules attached to praesidium®. AMS is also used as a distributed alarm manager, aggregating detection signals from multiple servers and reporting them to centraco®. Alarms and detections can be suppressed or enabled by a scheduling system that is controlled via AMS. A portion of centraco's® auto check functionality is provided by AMS in that it has a built-in data server that gathers statistics on the operation / status of itself and praesidium®.
TrainInspect.exe	This module is integral to the rip® back end processing. This module orchestrates the conversion of images from the vue®/Gatekeeper systems; imports train information into the MySQL database; locates the appropriate reference image for the current railcar for the FODengine (Foreign Object Detection).
FODEngine.exe	This module works in concert with the TrainInspect.exe to calculate the difference between the current and reference images for railcars.
GIGEApp.exe	High speed machine vision camera control module. This module is a device driver level module that captures high shutter speed / high frame rate camera images. The frame rates range from 112fps to 380fps for some camera models.
VueLiveStitch.exe	High speed stitching module. Works with the output of the GIGEApp.exe to produce panorama images for the praesidium® Vehicle Undercarriage Examiner (vue®) system.
P2 Engine	New generation of praesidium® core engine designed to increase stability and efficiency by sandboxing each module in its own process. P2 comes in 32 and 64 bit versions and it is completely backwards compatible with legacy praesidium® modules.
P2 SDK	Development toolkit for P2 engine enabling effortless creation of new modules within the framework.

(1) Not a complete representation of the praesidium® modules.

As listed on the safetyact.gov website, the praesidium® video analytics technology has received "Safety Act" designation from the US Department of Homeland Security. We are one of only ten companies to have received this designation for video related solutions and praesidium® is the only video analytics application with this designation.

Over the years, our proprietary analytics suite has been expanded to meet a significant number of security objectives and environments, adaptable to a broad range of critical infrastructure target verticals including but not limited to commercial transportation (rail, air and seaports), retail, healthcare, utilities, oil, gas and chemical, and government.

centraco® Enterprise Command and Control Suite

centraco® is an Enterprise Information Management (EIM) system. It was designed as a multi-layered command and control interface and to function as the central point and aggregator for information consolidation, connectivity and communications. The platform is browser based and completely agnostic to the interconnected sub-systems. It provides full LDAP (Lightweight Directory Access Protocol, also known as Active Directory) integration for seamless user credentialing and performs the following major functions:

- **Collection**: Device management independently collects data from any number of disparate devices or sub-systems.
- **Analysis**: Correlates and analyzes data, events and alarms to identify real-time situations and their priorities for response measures and end-user's Concept of Operations ("CONOPS").
- **Verification**: The contextual layer represents relevant information in a quick and easily interpreted format which provides operators optimal situational awareness.
- **Resolution**: Event-specific presentation of user-defined Standard Operating Procedures ("SOPs"), that includes a step-by-step instruction on how to resolve situations.
- **Reporting**: Tracking of data and events for statistical, pattern and/or forensic analysis.
- **Auditing**: Device-level drill down that records each operator's login interaction with the system and tracks manual changes including calculations of operator alertness and reaction time for each event.

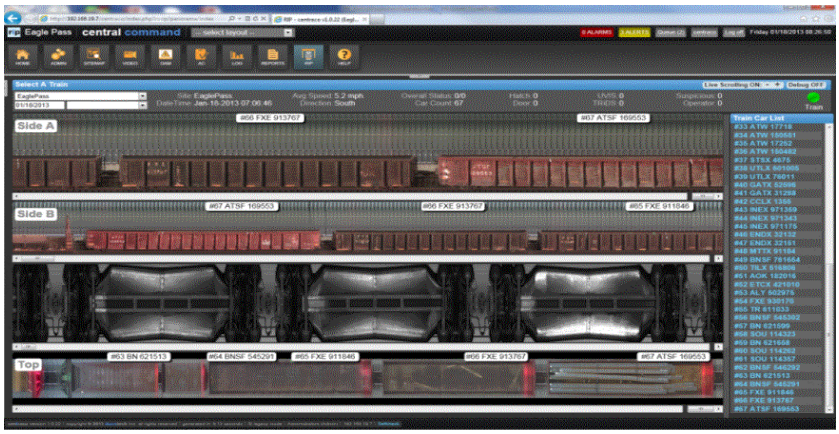
Engineered Solutions

The Company has always delivered engineered solutions which translate into the ability to implement a practical solution to specific customer requirements. Often, software is developed where implementation is the responsibility of the customer. We believe that delivering and supporting turnkey working systems that provide measurable end solutions are the preferred business model for our customers. We also believe that any implementation must co-exist in an already functioning operation and that any solution must work within existing business practices. Due to this philosophy, over time, our code base has been expanded to integrate a myriad of third-party sensor technologies thereby creating complete engineered solutions that dovetail into existing environments and thus not forcing our customers to replace working legacy systems. These engineered solutions usually address more complex end-user requirements and are typically designed, developed, deployed and maintained by the Company in a direct relationship with the end-user on a turnkey basis.

The combination of our two platforms (praesidium® and centraco®) with its many variants has and continues to deliver comprehensive "end-to-end" solutions, some of which already play a significant role in pro-active homeland security including cross border commercial rail transport.

More recently, we created several proprietary, turnkey systems and applications for commercial railways, the most significant being the following:

Intelligent Rail Inspection Portal (rip®). This turnkey system was originally designed for rail security and inspection at rail border crossings. Under a Union Pacific (UP) funded pilot program the Company designed, developed and deployed an intelligent inspection portal to provide the CBP a tool that aids customs officers in the inspection of inbound and outbound railcars. The rip® system uses multiple proprietary technologies and sub-systems to remotely scan all railcars passing through the inspection portal, then displays stitched 360-degree views of the entire rail "consist".

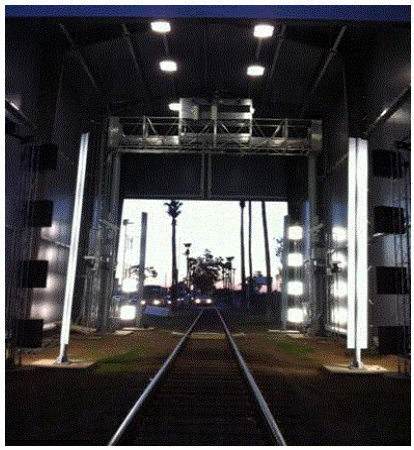


Panoramic View of Stitched Train Consists – Security Application

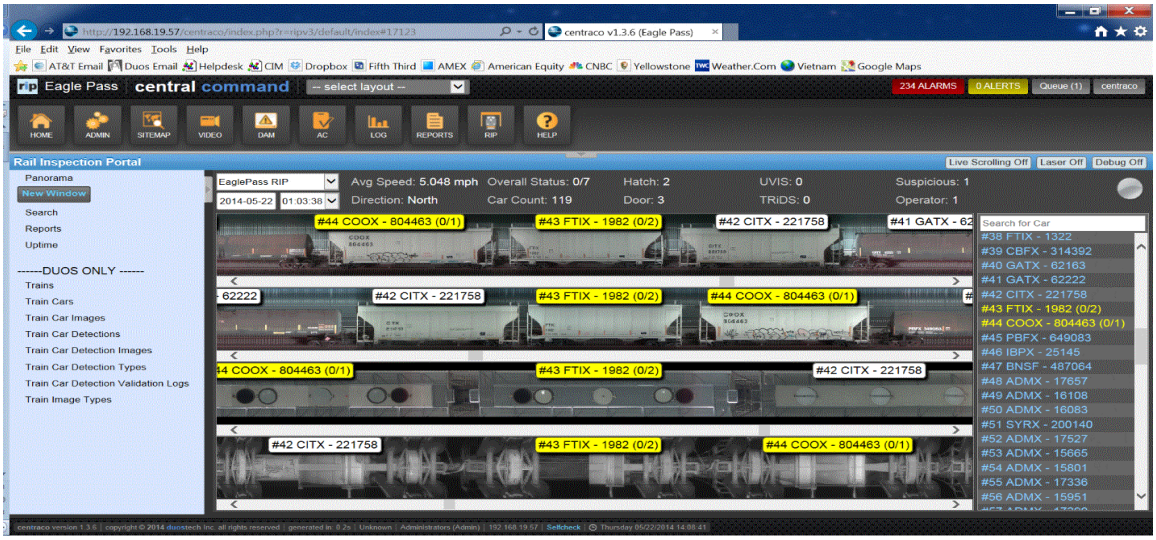
Users conduct a quick review of the pre-screened imagery and decide whether to refer specific areas of interest to field personnel for further (physical) inspection.

Using sensors and analytical algorithms, we pre-screen railcars and automatically detect and report anomalies and deviations from established norms. After successfully passing rigorous testing this system has now been adopted into the CBP standard concept of operation for southwestern rail border crossings and has been deployed at southwestern border locations, with a few remaining locations currently under negotiation. Similar systems have been deployed to two (undisclosed) locations in Mexico, and are currently monitored by the Mexican subsidiary of Kansas City Southern (KCS).

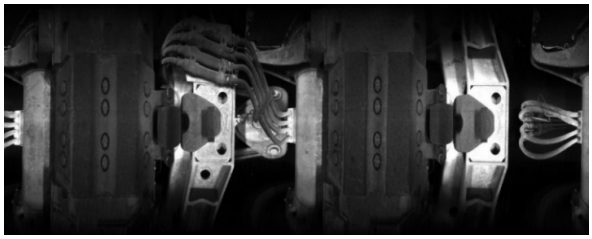
Subsequent to the completion of this security-centric application, we recently completed our next generation system expansion which addresses automation of the mechanical inspection for rolling stock, capable of adjusting to variable speeds of up to 70 MPH. Our comprehensive Intelligent Rail Inspection Portal incorporates our proprietary Vehicle Undercarriage Examiner (vue®), in addition to other technologies, and is considered to be a "game changer" for the rail industry. Utilizing centraco® as the system interface, the user accesses a variety of features enabling remote inspection, analysis and detection from the safety of remote command centers. Images containing detailed views of areas of concern, determined to be "potentially suspicious", are automatically presented to a human operator for further inspection.



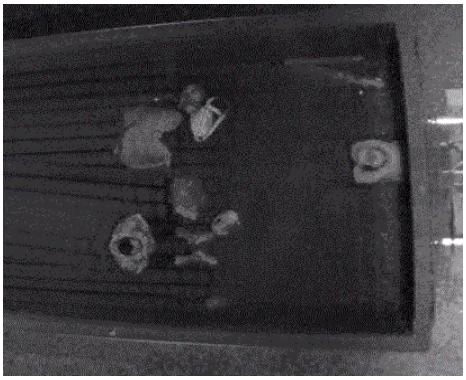
Rail Inspection Portal



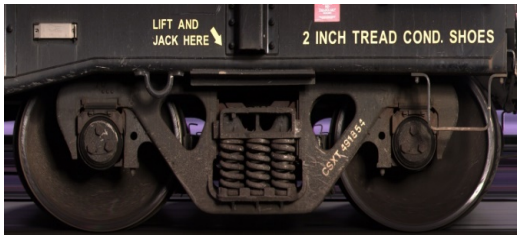
Modified Application for Remote Mechanical Inspection at High Speed



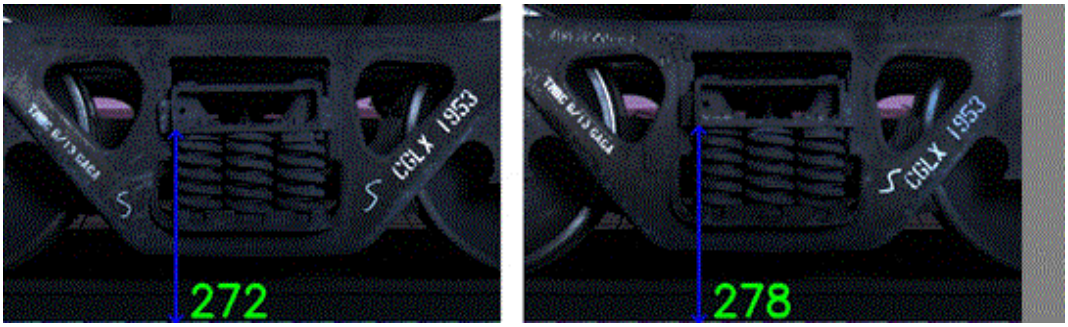
Ultra-High Definition Undercarriage Image at 46 MPH



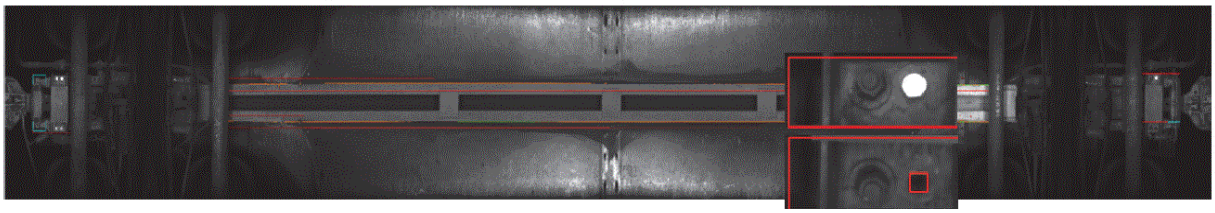
Illegal Riders Hiding in a Rail Hopper Car. Detected Automatically at Speed of 46 MPH



Rail Car Truck-Live Image Taken at High Speed



Truck Springs Geometry – Simultaneously Measured on Opposing Sides of Car at High Speed



Automatic Detection of Missing Bolt at High Speed

The development and field-testing of the core application was completed successfully during the third quarter of the 2016 fiscal year. After an extensive Request for Proposal ("REP") process, we received a contract award in early 2016 to deploy our technology at a live site from CSX Transportation, one of North America's Class I railroads. The award is considered to be a "real-time test run" in anticipation of adapting our technology as a process standard. We received a similar award from Ferromex, Mexico's largest rail operator mid-year 2016. Both systems have recently been completed, delivered, and are currently undergoing live testing.

At the present time, our rip® application provides the following modules for automated analysis, detection and inspection:

- Linear Panorama Generator;
- Automated Detection of Open Doors;
- Automated Detection of Open/Missing Hatches;
- Train Rider Detection System (trids®);

- Under Vehicle Inspection with Foreign Object Detection (vue®);
- Gondola Car Inspection System;
- Pantograph Inspection System (apis®); and
- 3D modeling using LIDAR technology for Transit platform intrusion detection (under development).

Utilizing the centraco® command and control platform as the system interface, the user accesses a variety of features enabling remote inspection, analysis and detection from the safety of remote command centers. Images containing detailed views of areas of concern, determined to be "potentially suspicious", are automatically presented to a human operator for further inspection. Users conduct a quick review of the pre-screened imagery and decide whether to refer specific areas of interest to field personnel for further (physical) inspection and/or repair.

The system also resolves the particularly difficult process of inspecting railcar undercarriages by providing high resolution images of the entire undercarriage. The system is designed to help streamline the physical inspection process by narrowing the number of inspection targets down to cars with "potential" anomalies. Consequently, the detection sensitivity is intentionally set to err on the safe side to avoid false negatives. Our customers are in the process of awarding the development of a significant number of detection algorithms, which combined with our Inspection Portal technology, will eventually facilitate full automation of the mechanical inspection process. We believe to be well positioned to capture a significant portion of this phase of the automation process.

We are currently in the process of adapting our inspection portal technology to the retail industry and have recently received an award from Kohl's to automate in- and outbound traffic controls at their distribution centers. A respective pilot project is scheduled to be completed during the second quarter of 2017.

We recently received an award from the NYCT to develop a pilot system using our intelligent technology to automatically detect intrusions to their passenger platform tracks. NYCT plans to deploy technology to their 470+ transit stations to minimize derailments caused by objects falling onto their tracks. We are in the process of developing a multi-layered detection system and expect to complete this new system during the third quarter of 2017.

IT Asset Management

Our IT Asset Management (ITAM) division is dedicated to the mission of developing, marketing and delivering software and professional services to the world's largest data centers. The focus of its technology and knowledgebase evolved out of our core strength in collecting and analyzing data on assets resident within these large data centers. Over the next three years, the Company plans to further develop its software and service offerings, and market these solutions for the growing ITAM market place either as a standalone asset management solution or in conjunction with a comprehensive Datacenter Infrastructure Management (DCIM) solution from other vendors. We believe DCIM is the ability to bridge the gap between critical IT assets and facilities infrastructure.

Using our proprietary patented methodology, the Company surveys and audits large data centers by physically identifying each piece of equipment and its location. By scanning it into our proprietary system and providing the client with a report detailing type, quantity and location of its IT assets, (racks, servers, network cards, power supplies, etc.), we afford our clients the ability to verify their own internal records.

In line with the Company's philosophy of integration with existing systems, the design of our process methodology and related software mean that we are able to work with almost any other DCIM provider. Specifically, the Company will focus on the asset management requirements of our clients and partners within specific geographic locations that will allow the Company to balance its investment requirements with income potential to develop a sustainable business in this division. The Company has selected this specific application of its technology to seek revenue opportunities that are readily available in an identified market. We generate profits from this division by maintaining a low level of "bench" staff and hire independent consultants as we are awarded business opportunities. The Company is currently developing a new ITAM system which is expected to be released in the second quarter of 2017. We expect that this will generate revenues from software sales and maintenance starting in 2018.

Specific Areas Of Competition

Since inception, we have implemented a strategy of diversification to mitigate the potential vulnerabilities experienced by companies with a narrow business scope. We believe many public companies in the micro- and nano-cap ecosystem suffer major challenges due to their lack of diversification, and their single product strategy has made many of these companies irrelevant in the market place.

During the past several years, we have made considerable investments in, and have successfully developed, our two core technology platforms, praesidium® and centraco®.

praesidium® is an open architecture, modular engine that manages an unlimited number of "back end" process and analytics frameworks. In addition to driving our own proprietary sensor and data analytics, this core technology also allows for the integration of an unlimited number of third-party technologies, systems and sub-systems. Third-party industry or task-specific processes are modularized and embedded into the praesidium® engine, thereby substantially expanding the functionality of such third-party system. While we believe most companies tailor their products and services to a specific industry, this core platform is "industry agnostic" which we believe will allow us to penetrate multiple industries. Our past and current concentration on specific target markets such as rail, retail, healthcare, utilities, chemical, gas and oil, and government has enabled us to test the markets with our innovative technology solutions. Our praesidium® platform competes currently with the following sector specific companies:

Intelligent Video Analytics	Rail Inspection Portal	
Security	**Mechanical**	**Security**
Agent Video Intelligence Ltd. Agent VI (Israel)	Trimble Inc. (Acquired Beena Vision Systems Inc.)	No direct competition at this time (1)
Robert Bosch GmbH, Germany	Lynx Engineering Consultants Pty Ltd (LYNXRAIL) - Australia (Tracks, wheels and wayside only)	Beena Vision (development stage, just entering the market place)
SightLogix, Inc.	KLD Labs Inc. (Tracks, wheels and wayside only)	
IntelliVision Technologies Corp (USA)	MERMEC S.p.A - Italy Tracks, wheels and wayside only)	
Avigilon Corporation (Video IQ)		

(1) We believe we are the first to develop the concept of an intelligent rail inspection portal used for comprehensive inspection of security threats and at this time we are unaware of any competitor in this sector. Recently, the AAR, through its technology research subsidiary TTCI, has engaged us to adapt our security portal technology to an automated mechanical inspection system. We are currently in stage 2 of 3 of this development. We believe our potential competitors in this area are currently focusing chiefly on the inspection of wheels, bearings, breaks and track alignment. We expect that any competitor interested in expanding their inspection technologies to the ones we have developed over the past four years would require at least 2-3 years of research and development before being able to produce similar systems for real time testing. We believe the testing cycle will take at least an additional 1-2 years for potential competition. The AAR/TTCI is currently conducting beta testing only with our systems. Similarly, the CBP (US Customs and Border Protection) and Union Pacific Railroad are using our systems as their only security inspection infrastructure at the US border.

centraco® is an open architecture aggregator and "fusion" engine which functions as a comprehensive "front end" user interface. This framework combines our proprietary modules with an unlimited number of 3d-party technologies. In addition to a wide range of proprietary embedded features, such as video management (VMS), alarm management (AMS), LDAP network access credentialing and many more, centraco® intelligently manages unlimited types of data sources and allows control and monitoring of this wide array of sensors and data from a single unified interface. This platform includes both the traditional Physical Security Information Management (PSIM) systems as well as a full-scale Enterprise Information Management System (EIMS). We believe we are at an advantage because none of our competitors' product offerings include both PSIM and EIMS, nor do any of the competing products allow for the integration of embedded engineered solutions. Our competitors in this area include:

PSIM	
· Qognify (Formerly NICE)	· CNL
· VidSys	· Proximex
· IDV/Everbridge	· Axxon

We believe the PSIM market is rapidly expanding and we expect that capability requirements will substantially increase. Companies increasingly require expanded capabilities to justify the investment in their digital infrastructure for use by multiple corporate disciplines (security, building management, IT, network access control management).

Our Growth Strategy

Our strategy is to grow our business through a combination of organic growth of our applications and technology solutions, both within our existing geographic reach and through geographic expansion, as well as expansion through strategic acquisitions.

Organic Growth

Our organic growth strategy is to increase our market share through the expansion of our business development team and our research and development talent pool, which will enable us to significantly expand our current solution offerings with feature rich applications, and the development of new and enhanced technology solutions. We plan to augment such growth with strategic relationships both in the business development and research and development arenas, reducing time to market with additional industry applications, expansion of existing offerings to meet customer requirements as well as potential geographical expansion into international territories.

Strategic Acquisitions

Planned acquisition targets include sector specific technology companies with the objective of augmenting our current capabilities with feature-rich (third-party) solutions. The decision-making process includes, but is not limited to, weighing time, effort and approximate cost to develop certain technologies in-house, versus acquiring or merging with one or more entities that we believe have a proven record of successfully developing a technology sub-component. Additional criteria include evaluating the potential acquisition target's customer base, stage of technology, merger or acquisition cost as compared to market conditions.

Manufacturing and Assembly

The Company streamlines its manufacturing by outsourcing component manufacturing to qualified fabricators. On-site installations are performed using a combination of in-house project managers/engineers and specialist sub-contractors as necessary. We maintain responsibility for the system implementation, servicing and tech support for our solutions. Our internal manufacturing operations consist primarily of materials procurement, assembly, testing and quality control of our engineers. If not manufactured internally, we generally rely on third party manufacturing partners to produce our hardware related components and hardware products and we may involve our internal manufacturing operations in the final assembly, testing and quality control processes for these components and products. We distribute most of our hardware products either from our facilities or partner facilities. Our manufacturing processes are based on standardization of components across product types, centralization of assembly and distribution centers, and a "build-to-order" methodology in which products generally are built only after customers have placed firm orders. For most of our hardware products, we have existing alternate sources of supply or such sources are readily available.

Research and Development

The Company's research and development team designs and develops all of its systems and software applications. We develop the substantial majority of our products internally. Internal development allows us to maintain technical control over the design and development of our products. We have a number of United States and foreign patents and patent-pending applications that relate to various aspects of our products and technology. Rapid technological advances in hardware and software development, evolving standards in computer hardware and software technology, and changing customer requirements characterize the markets in which we compete. We plan to continue to dedicate significant resources to research and development efforts, including software development, to maintain and improve our current product and services offerings.

Government Regulations

The Company has been working with various agencies of the federal government for more than 10-years including the Department of Homeland Security ("DHS"). Our video analytics are DHS Safety Act certified, and our staff is Chemical Facility Anti-Terrorism Standards (CFATS) certified. The Company's Homeland Security solutions include sophisticated remote systems that combine and synchronize a myriad of sensing technologies, wireless communications, and innovative intelligent sensor applications.

Intellectual Property

Our business is significantly based on the creation, acquisition, use and protection of intellectual property. Some of this intellectual property is in the form of software code, patented technology and trade secrets that we use to develop our technologies, solutions and products. We have developed a broad portfolio of intellectual property that covers our application software as well as the sensor and data acquisition process of our security and inspection analytics platforms. As of June 9, 2017, we have 9 patents and 21 trademarks issued or granted by the United States Patent and Trademark Office (USPTO) and we have 2 pending patent applications with the USPTO. Areas of our development activities that have culminated in filings and/or awarded patents include:

We protect our intellectual property rights by relying on federal, state and common law rights, as well as contractual restrictions. We control access to our proprietary technology by entering into confidentiality and invention assignment agreements with our employees and contractors, and confidentiality agreements with third parties. We also actively engage in monitoring activities with respect to infringing uses of our intellectual property by third parties.

In addition to these contractual arrangements, we also rely on a combination of trade secret, copyright, trademark, trade dress, domain name and patents to protect our products and other intellectual property. We typically own the copyright to our software code, as well as the brand or title name trademark under which our products are marketed. We pursue the registration of our domain names, trademarks, and service marks in the United States and in locations outside the United States.

As discussed in the risk factors section herein, we may face allegations by third parties, including our competitors and non-practicing entities, that we have infringed their trademarks, copyrights, patents and other intellectual property rights.

Properties

At this time, we do not own any real property. The Company has an operating lease agreement for office space of approximately 8,308 square feet located in Jacksonville, Florida that expired April 30, 2016. Minimum rent payments under this lease are recognized on a straight-line basis over the term of the lease. The monthly lease payment under this lease was $14,178.

On March 8, 2016, the current lease was amended commencing on May 1, 2016 and ending on October 31, 2021. Rental expense for the months of March 2016 through May 2016 were $0, followed by monthly rent of $14,816 (including operating cost and taxes) effective the month of June 2016. The rent is subject to an annual escalation of 3%, beginning May 1, 2017.

Rental expense for the office lease during 2016 and 2015 was $171,513 and $142,593, respectively.

Legal Proceedings

Greentree Financial Group, Inc. Lawsuit

On May 12, 2016, a complaint was filed against the Company in the Circuit Court for the Seventeenth Judicial Circuit in and for Broward Country, Florida (the "Circuit Court") by Greentree Financial Group, Inc. as plaintiff ("Greentree"). Greentree, the holder of two convertible promissory notes in the principal amount of $50,000 and $46,975 (the "Notes"), alleged that the Company was in default for failure to make scheduled principal and interest payments and failing to convert a portion of the Notes into the Company's common stock. On May 23, 2016, we filed a counterclaim in the Circuit Court against Greentree alleging, amongst other claims, that the officers and directors of Greentree failed to disclose certain facts with respect to their past conduct, which, had the Company known, would have made it unlikely that the Company would have entered into the debt financing transaction issuing the Notes. On January 23, 2017, the Company executed a settlement agreement with Greentree resolving the pending lawsuit with respect to the Notes (the "Settlement Agreement"). The terms of the Settlement Agreement include payment by the Company to Greentree in the amount of $150,000 due within 45 days of execution thereof and resolves all outstanding obligations related to the Notes (the "Payment"). The Payment was made by the Company to Greentree on March 7, 2017. On March 24, 2017, the Company received an Agreed Final Order of Dismissal from the Court dismissing the Greentree Matter with prejudice.

FacilityTeam Lawsuit

On December 12, 2016, the Company was notified that it was in breach of settlement with a previous vendor, FacilityTeam based in in Ontario, Canada alleging failure to make certain payments in accordance with such settlement. On December 28, 2016, the Company agreed to a modified payment schedule as part of a post judgement settlement for the amounts due and owing. On March 7, 2017, the final settlement payment was made by the Company to FacilityTeam.

Dispute with Former Employee

On or about February 15, 2017, the Company received a Notice of Filing of Complaint of Discrimination filed by a former employee of the Company that had been terminated for insubordination. The Company previously reported that upon completion of the initial investigation by the Florida Commission on Human Relations, it believed that no action would be taken against the Company. On the 26th of April, the Commission notified both the Company and the Complainant that a determination of no reasonable cause existed to find any unlawful practice had occurred. The matter is now closed because the time period permitted for appeal has expired.

Except as disclosed above, we are currently not involved in any litigation that we believe could have a material adverse effect on our financial condition or results of operations. There is no action, suit, proceeding, inquiry or investigation before or by any court, public board, government agency, self-regulatory organization or body pending or, to the knowledge of the executive officers of our company or any of our subsidiaries, threatened against or affecting our company, our common stock, any of our subsidiaries or of our companies or our subsidiaries' officers or directors in their capacities as such, in which an adverse decision could have a material adverse effect.

Employees

As of July 14, 2017, we have 38 employees, none of which are subject to a collective bargaining agreement.

DIRECTORS AND EXECUTIVE OFFICERS

As of the date of this prospectus, our directors and executive officers are as follows:

Name	Age	Position
Gianni B. Arcaini	68	Chairman, Chief Executive Officer, President
Adrian G. Goldfarb	60	Chief Financial Officer and Director
John E.Giles[(1)]	67	Director
John F. Andrews[(2)]	63	Chief Operating Officer
Bair M. Fonda[(3)]	51	Director
Alfred J. Mulder[(4)]	74	Director

(1) On May 2, 2017, Mr. John E. Giles was appointed as a member of the Board, Chairman of the Corporate Governance and Nominating Committee, Chairman of the Compensation Committee, and a member of the Audit Committee.

(2) On March 17, 2017, Mr. John F. Andrews was appointed Chief Operating Officer and Executive Vice President of the Company, with an amended effective date of March 27, 2017. Additionally, on the same date, Mr. Andrews was appointed President and Chief Operating Officer of Duos Technologies, Inc., a wholly owned subsidiary of the Company, with an amended effective date of March 27, 2017.

(3) On May 3, 2017, Mr. Blair Fonda was appointed as a member of the Board, Chairman of the Audit Committee, member of the Corporate Governance and Nominating Committee, and member of the Compensation Committee.

(4) On May 3, 2017, Alfred Mulder resigned as Chairman of the Compensation Committee and remains a member of the Board, the Audit Committee, Corporate Governance and Nominating Committee, and the Compensation Committee.

Each director serves for a one year term, or until his successor is duly elected and qualified or his earlier resignation, removal or disqualification. The business experience of each of our directors and executive officers for the following:

Gianni B. Arcaini, Chairman, Chief Executive Officer and President

Mr. Arcaini, has been the Chairman of the Board, Chief Executive Officer and President since April 1, 2015, and held the same positions with our subsidiary, Duos Technologies, Inc. since 2002. Prior to his involvement with Environmental Capital Holdings, Inc., a predecessor of the Company, Mr. Arcaini spent over 10 years in various executive capacities with Robex International, a joint venture of Royal Volker Stevin, Royal Bijenkorf and the Westland Utrecht Bank, ultimately acquiring the Robex International in a management buyout after having expanded its operations into the United States.

Mr. Arcaini completed his early education at a Jesuit Boarding school in Austria and Germany, and graduated from a state business school in Frankfurt, Germany. He is fluent in German, Dutch, Italian, Spanish and English.

The Board believes Mr. Arcaini's significant experience in the Company's industry and a deep knowledge of our business and customers and contributes a perspective based on his many years of involvement with our company will be of great value to the Company as it grows. Mr. Arcaini is also the visionary leader of the Company and is personally involved in creating the initial design of our technologies prior to implementation by our research and development teams.

Adrian G. Goldfarb, Chief Financial Officer and Director

Mr. Goldfarb, has served as a Director since April 2010. Effective July 1, 2012, he was appointed as President and Chief Financial Officer. Mr. Goldfarb also currently serves as a non-Executive Chairman of Gelstat Corporation, a public company engaged in the development, manufacturing and marketing of homeopathic and natural supplements. Mr. Goldfarb is a 35-year technology industry veteran including more than 25 years in information technology. Mr. Goldfarb graduated "cum laude" with a business degree specializing in Finance from Rutgers University, Newark, NJ.

The Board believes Mr. Goldfarb's significant experience in financial stewardship of small public companies will be of great value to the Company as it grows.

John F. Andrews, Chief Operating Officer, Executive Vice President
COO, President of Operating Subsidiary Duos Technologies, Inc.

Mr. Andrews, combines over 30 years of experience in senior management positions in multiple industries to include telecommunications, healthcare, transportation and information technology. His career includes holding the positions of CIO of CSX, president of CSX Technology and CEO and COO of multiple software and SAAS companies. Most recently, from March 2011 to September, 2016 he was the Chief Sales Officer of ShipXpress, Inc., a premier provider of cloud based software solutions which enable transportation, industrial and commodities businesses to efficiently operate and collaborate with their supply chain partner. Additionally, from October, 2013 to March 2016, he was the Chief Operating Officer for the Girls Scouts of Gateway Council. Mr. Andrews is currently a director for the Girl Scouts of Gateway Council and was previously a director for ShipXpress, Inc. from 2004 and up until the firm was acquired by GE in September, 2016. He has a BS in Business and Finance from Whitworth University and an MBA from University of Puget Sound.

Alfred J. (Fred) Mulder, Director

Mr. Mulder was appointed as a Director on April 1, 2015 and serves as both the Chairman of the Compensation Committee and member of the Audit Committee. From June 2006 to April 2015, he served as a Director with our subsidiary Duos Inc. He is an independent consultant (M&A / Corporate Finance) and investor in various companies in the USA and Europe, including duostech. Between 2001 and 2013, Mr. Mulder served as Executive Chairman of the Board of LBI International N.V. and from 2009 until 2014 as non-executive member of the board of W.P. Stewart in New York. He also serves as Chairman of the Investment Committee of Nethave N.V. (ICT Technology), Berghave N.V. (Turnaround/reshaping funding) and the Pension Fund of Radio Holland N.V. In 1993, Mr. Mulder was co-founder and became Chairman and Managing Director of Greenfield Capital Partners N.V., an independent private equity and corporate finance group headquartered in The Netherlands. From 1981 to 1993, he held positions of Managing Director, Chief Executive Officer of Transmark Holding B.V. and Managing Director of Pon Holdings B.V. and subsequently was a non-executive board member of companies such as HAL Investments N.V. (the holding company of Holland America Line), Pon Holdings B.V., and Transmark Holding B.V., Meulenhoff en Co N.V., SAIT Radio Holland SA, Lacis Communication N.V., Meijn Processing Industrie B.V., and CapCorp Investments N.V.

Mr. Mulder obtained his PMD in 1973 from the Harvard Business School, with special emphasis on Marketing and Corporate Strategy.

The Board believes Mr. Mulder's extensive background in international business will allow him to assist the Company as it grows. Mr. Mulder serves as a liaison with the Company's European based shareholders.

John E. Giles, Director, Chairman of the Corporate Governance and Nominating Committee, Chairman of the Compensation Committee, and Member of the Audit Committee

Mr. John E. Giles currently serves as the President and Chief Executive Officer of Central Maine & Quebec Railway (CMQ) and has an extensive record of experience over his 46 years of service in the railroad industry. Working his way up through the ranks, Mr. Giles began his career as a fireman and locomotive engineer at the Baltimore & Ohio Railroad, before obtaining a BA in business administration from Marian College in 1972 and an MSBA from Indiana University in 1980. In 1999, after a successful career at CSX as Chief Marketing Officer and its predecessor companies, Mr. Giles began working with private equity firms to acquire and transform underperforming railroad companies. From 2007 to 2012, Mr. Giles served as Chief Executive Officer of RailAmerica, which owned and operated 45 short line railroads in the United States and Canada. At RailAmerica, Mr. Giles transformed the company's record on safety, profitability and customer service. In 2014, Mr. Giles partnered with Fortress Investment Group to purchase the assets of Montreal, Maine & Atlantic Railway. Mr. Giles and his team have dedicated themselves to retain existing and developing new business, while partnering with connecting carriers to optimize routes and improve pricing and service for CMQ customers. Since CMQ began operations in June of 2014, CMQ has been awarded the 2016 Regional Railroad of the Year by Railway Age Magazine and the 2015 Railway Association of Canada Safety Award.

The Board believes that Mr. Giles' extensive and directly applicable leadership experience within the railroad industry makes him ideally qualified to help lead the Company towards continued growth.

Blair M. Fonda, Director, Chairman of the Audit Committee, Member of the Corporate Governance and Nominating Committee, and Member of the Compensation Committee

Since 2013, Mr. Blair M. Fonda has served as the Chief Financial Officer of Emergent Financial Partners ("EFP"). EFP is an accounting and consulting services firm which offers financial consulting services to businesses and organizations throughout the United States and the Caribbean Islands. From 2013 to 2016, Mr. Fonda was contracted through EFP to serve as the outside Chief Financial Officer of Mountainstar Capital Engagement, a private equity and commercial real estate company. From 2007 to 2013, Mr. Fonda served as the Vice President and Controller of the Hospitality Division of Gate Petroleum, an owner and operator of convenience stores, resorts, construction and real estate operations throughout the United States. Mr. Fonda has previously served as Controller for Enterprise Rent-a-Car.

The Board believes that Mr. Fonda's education and background qualify him as a financial expert. He has extensive and directly applicable accounting experience qualifying him to serve as Chairman of the Audit Committee.

Key Employees

Connie Weeks, Executive Vice President, Chief Accounting Officer
Executive Vice President, Chief Accounting Officer of Operating Subsidiary Duos Technologies, Inc.

Ms. Weeks has over 35 years of accounting experience and is responsible for all aspects of financial reporting, internal controls, and cash management. She has been a key member of the Company for over 30 years and now serves as Senior Vice President and Chief Accounting Officer.

David Ponevac, Senior Vice President, Chief Technology Officer
of Operating Subsidiary Duos Technologies, Inc.

Mr. Ponevac brings 14 years of software engineering experience, concentrating on web and mobile environments, where he has leveraged his considerable expertise in Objective-C, Java, C#, PHP and many other scripting languages. Mr. Ponevac began his tenure at DTI as the Director of Front-end Application Development, where his successes led to being appointed Chief Architect of centraco®, the Company's flagship customer facing software suite.

Felix Krupczynski, Senior Vice President, Chief Marketing Officer of Operating Subsidiary Duos Technologies, Inc.

Mr. Krupczynski brings over thirty years of experience as a senior executive with a comprehensive global management background in leading edge technology products and services. With a strong technical and management foundation encompassing operations, engineering, business development, acquisitions and strategy, he has consistently demonstrated innovation and creativity to foster growth. Mr. Krupczynski's extensive Fortune-50 experience as a senior executive with Motorola covered the start-up and/or growth of four divisions including a research and development center, manufacturing facility, customer service centers throughout China, and a broadband access division throughout the Asia Pacific region.

Mr. Krupczynski filed for Chapter 7 Personal Bankruptcy in 2008.

Family Relationships

There are no family relationships among any of our directors or executive officers.

Board Composition and Director Independence

As of the date of this prospectus, our board of directors consists of five members: (1) Mr. Gianni B. Arcaini, (2) Mr. Blair M. Fonda, (3) Mr. John E. Giles, (4) Mr. Adrian G. Goldfarb, and (5) Alfred J. (Fred) Mulder. The directors will serve until our next annual meeting and until their successors are duly elected and qualified. The Company defines "independent" as that term is defined in Rule 5605(a)(2) of the NASDAQ listing standards.

In making the determination of whether a member of the board is independent, our board considers, among other things, transactions and relationships between each director and his immediate family and the Company, including those reported under the caption "Related Party Transactions". The purpose of this review is to determine whether any such relationships or transactions are material and, therefore, inconsistent with a determination that the directors are independent. On the basis of such review and its understanding of such relationships and transactions, our board affirmatively determined that Blair M. Fonda, John E. Giles, and Alfred J. (Fred) Mulder are all qualified as independent and do not have any material relationships with us that might interfere with their exercise of independent judgment.

Board Committees

We have established an Audit Committee, Corporate Governance and Nominating Committee, and Compensation Committee. Each committee has its own charter. Each of the board committees has the composition and responsibilities described below.

Audit Committee

Our Audit Committee was established in accordance with Section 3(a)(58)(A) of the Exchange Act of 1934, as amended (the "Exchange Act").

On April 1, 2015, Alfred Mulder was appointed a member of the Audit Committee, effective immediately.

On May 3, 2017, the Board appointed Mr. John E. Giles as a member of the Audit Committee, effective immediately.

On the same date, the Board appointed Mr. Blair Fonda as Chairman of the Audit Committee, effective immediately.

Mr, Fonda, Mr. Giles and Mr. Mulder are all "independent" within the meaning of Rule 10A-3 under the Exchange Act and the NASDAQ Stock Market Rules. Our board has determined that both Mr. Fonda and Mr. Giles are both "audit committee financial experts", as such term is defined in Item 407(d)(5) of Regulation S-K.

The Audit Committee oversees our accounting and financial reporting processes and oversee the audit of our financial statements and the effectiveness of our internal control over financial reporting. The specific functions of this Committee include, but are not limited to:

- appointing, approving the compensation of, and assessing the independence of our independent registered public accounting firm;
- overseeing the work of our independent registered public accounting firm, including through the receipt and consideration of reports from such firm;
- reviewing and discussing with management and the independent registered public accounting firm our annual and quarterly financial statements and related disclosures;
- monitoring our internal control over financial reporting, disclosure controls and procedures and code of business conduct and ethics;
- discussing our risk management policies;
- establishing policies regarding hiring employees from the independent registered public accounting firm and procedures for the receipt and retention of accounting related complaints and concerns;
- meeting independently with our independent registered public accounting firm and management;
- reviewing and approving or ratifying any related person transactions; and
- preparing the audit committee report required by SEC rules.

Compensation Committee

On May 3, 2017, Alfred Mulder resigned as Chairman of the Compensation Committee and remains a member of the Compensation Committee, effective immediately.

On the same date, the Board of the Company appointed Mr. John E. Giles as Chairman of the Compensation Committee, effective immediately.

On the same date, the Board appointed Mr. Blair Fonda as a member of the Compensation Committee, effective immediately.

Mr, Fonda, Mr. Giles and Mr. Mulder are all "independent" within the meaning of Rule 10A-3 under the Exchange Act and the NASDAQ Stock Market Rules. Messrs. Fonda, Giles and Mulder all qualify as a "non-employee directors" under Rule 16b-3 of the Exchange Act. Our Compensation Committee assists the board of directors in the discharge of its responsibilities relating to the compensation of the board of directors and our executive officers.

The Committee's compensation-related responsibilities include, but are not limited to:

- reviewing and approving on an annual basis the corporate goals and objectives with respect to compensation for our Chief Executive Officer;
- reviewing, approving and recommending to our board of directors on an annual basis the evaluation process and compensation structure for our other executive officers;
- determining the need for and the appropriateness of employment agreements and change in control agreements for each of our executive officers and any other officers recommended by the Chief Executive Officer or board of directors;
- providing oversight of management's decisions concerning the performance and compensation of other company officers, employees, consultants and advisors;
- reviewing our incentive compensation and other equity-based plans and recommending changes in such plans to our board of directors as needed, and exercising all the authority of our board of directors with respect to the administration of such plans;
- reviewing and recommending to our board of directors the compensation of independent directors, including incentive and equity-based compensation; and
- selecting, retaining and terminating such compensation consultants, outside counsel or other advisors as it deems necessary or appropriate.

Nominating and Corporate Governance and Nominating Committee

On May 3, 2017, Alfred Mulder was appointed as a member of the Corporate Governance and Nominating Committee, effective immediately.

On the same date, the Board appointed Mr. John E. Giles as Chairman of the Corporate Governance and Nominating Committee, effective immediately.

On the same date, the Board appointed Mr. Blair Fonda as a member of the Corporate Governance and Nominating Committee, effective immediately.

Mr. Fonda, Mr. Giles and Mr. Mulder are all "independent" within the meaning of Rule 10A-3 under the Exchange Act and the NASDAQ Stock Market Rules. Messrs. Fonda, Giles and Mulder all qualify as a "non-employee directors" under Rule 16b-3 of the Exchange Act. Our Compensation Committee assists the board of directors in the discharge of its responsibilities relating to the compensation of the board of directors and our executive officers. The purpose of the Corporate Governance and Nominating Committee will be to recommend to the board nominees for election as directors and persons to be elected to fill any vacancies on the board, develop and recommend a set of corporate governance principles and oversee the performance of the Board.

The responsibilities of the Corporate Governance and Nominating Committee include:

- recommending to the board of director's nominees for election as directors at any meeting of stockholders and nominees to fill vacancies on the board;
- considering candidates proposed by stockholders in accordance with the requirements in the Committee charter;
- overseeing the administration of the Company's Code of Ethics;
- reviewing with the entire board of directors, on an annual basis, the requisite skills and criteria for board candidates and the composition of the board as a whole;
- the authority to retain search firms to assist in identifying board candidates, approve the terms of the search firm's engagement, and cause the Company to pay the engaged search firm's engagement fee;
- recommending to the board of directors on an annual basis the directors to be appointed to each committee of the board of directors;
- overseeing an annual self-evaluation of the board of directors and its committees to determine whether it and its committees are functioning effectively; and
- developing and recommending to the board a set of corporate governance guidelines applicable to the Company.

EXECUTIVE COMPENSATION

The following table sets forth the total compensation received for services rendered in all capacities to our Company for the last two fiscal years, which was awarded to, earned by, or paid to our Chief Executive Officer, Chief Financial Officer and our former Chief Executive Officer, which we refer to collectively as our "Named Executive Officers."

Name and Principal Position	Year	Salary ($)	Bonus ($)	Stock ($)	Other Comp. ($)	Total ($)
Gianni B. Arcaini,	2016	226,600	61,000(1)		24,154(2)	311,754
Chairman of the Board, Chief Executive Officer,	2015	226,600	67,960(1)		24,154(2)	318,714
President, Director						
Adrian G. Goldfarb,	2016	142,500				142,500
Chief Financial Officer, Director	2015	110,992		33,879(3)	18,343(4)	163,214
Joseph P. Coschera,	2016	—	—	—	—	—
Former Chief Executive Officer, Former Director	2015	20,192(5)		33,879		54,071

(1) Represents an amount equal to 1% of annual revenues to which Mr. Arcaini is entitled under the terms of his employment, which is being deferred until the company has sufficient working capital to pay this amount. Since 2008, in an effort to conserve cash flow, all amounts payable to Mr. Arcaini in respect of this entry have been deferred and as of December 31, 2016, the aggregate deferred amount owing is $681,381 including accrued interest.

(2) Comprised of $18,000 per annum car allowance and $6,154 in Company paid membership dues and subscriptions.

(3) Represents the fair value on the grant date of 2,429 shares of the Company common stock issued to Mr. Goldfarb on March 31, 2015 owed to him upon the effectiveness of the reverse triangular merger.

(4) Represents taxes paid by Company as compensation for converting $58,000 of deferred salary into Company stock at $14.00 per share

(5) Mr. Coschera resigned as Chief Executive Officer and Director as of April 1, 2015, upon the effectiveness of the Merger.

Outstanding Equity Awards at December 31, 2016

There were no outstanding equity awards to any of our Named Executive Officers during the year ended December 31, 2016.

The 2016 Equity Plan

On March 11, 2016, the Board adopted the plan and the shareholders approved the plan during the annual shareholders meeting on April 21, 2016.

The 2016 Equity Incentive Plan (the “2016 Plan”) provides for the issuance of up to 228,572 shares of our common stock. The purpose of the Plan is to assist the Company in attracting and retaining key employees, directors and consultants and to provide incentives to such individuals to align their interests with those of our stockholders.

Administration

The 2016 Plan is administered by the Compensation Committee of the Board, which currently consists of one member of the Board and is a “non-employee director” within the meaning of Rule 16b-3 promulgated under the Exchange Act and an “outside director” within the meaning of Code Section 162(m). Among other things, the compensation committee has complete discretion, subject to the express limits of the 2016 Plan, to determine the directors, employees and nonemployee consultants to be granted an award, the type of award to be granted the terms and conditions of the award, the form of payment to be made and/or the number of shares of common stock subject to each award, the exercise price of each option and base price of each stock appreciation right (“SAR”), the term of each award, the vesting schedule for an award, whether to accelerate vesting, the value of the common stock underlying the award, and the required withholding, if any. The Compensation Committee may amend, modify or terminate any outstanding award, provided that the participant’s consent to such action is required if the action would impair the participant’s rights or entitlements with respect to that award. The Compensation Committee is also authorized to construe the award agreements, and may prescribe rules relating to the 2016 Plan. Notwithstanding the foregoing, the compensation committee does not have any authority to grant or modify an award under the 2016 Plan with terms or conditions that would cause the grant, vesting or exercise thereof to be considered nonqualified “deferred compensation” subject to Code Section 409A.

Grant of Awards; Shares Available for Awards

The 2016 Plan provides for the grant of stock options, SARs, performance share awards, performance unit awards, distribution equivalent right awards, restricted stock awards, restricted stock unit awards and unrestricted stock awards to non-employee directors, officers, employees and nonemployee consultants of the Company or its affiliates. We have reserved a total of 228,571 shares of common stock for issuance as or under awards to be made under the 2016 Plan. If any award expires, is cancelled, or terminates unexercised or is forfeited, the number of shares subject thereto is again available for grant under the 2016 Plan.

Currently, there are twelve identified employees (including four executive officers and directors), three non-employee directors, and up to thirty other current or future staff members who would be entitled to receive stock options and/or shares of restricted stock under the 2016 Plan. Future new hires and additional non-employee directors and/or consultants would be eligible to participate in the 2016 Plan as well.

Stock Options

The 2016 Plan provides for either "incentive stock options" ("ISOs"), which are intended to meet the requirements for special federal income tax treatment under the Code, or "nonqualified stock options" ("NQSOs"); the stockholders approved the 2016 Plan at the annual meeting as previously described. Stock options may be granted on such terms and conditions as the compensation committee may determine; provided, however, that the per share exercise price under a stock option may not be less than the fair market value of a share of the Company's common stock on the date of grant and the term of the stock option may not exceed 10 years (110% of such value and five years in the case of an ISO granted to an employee who owns (or is deemed to own) more than 10% of the total combined voting power of all classes of capital stock of our company or a parent or subsidiary of our company). ISOs may only be granted to employees. In addition, the aggregate fair market value of our common stock covered by one or more ISOs (determined at the time of grant) which are exercisable for the first time by an employee during any calendar year may not exceed $100,000. Any excess is treated as a NQSO.

Stock Appreciation Rights

A SAR entitles the participant, upon exercise, to receive an amount, in cash or stock or a combination thereof, equal to the increase in the fair market value of the underlying common stock between the date of grant and the date of exercise. SARs may be granted in tandem with, or independently of, stock options granted under the 2016 Plan. A SAR granted in tandem with a stock option (i) is exercisable only at such times, and to the extent, that the related stock option is exercisable in accordance with the procedure for exercise of the related stock option; (ii) terminates upon termination or exercise of the related stock option (likewise, the common stock option granted in tandem with a SAR terminates upon exercise of the SAR); (iii) is transferable only with the related stock option; and (iv) if the related stock option is an ISO, may be exercised only when the value of the stock subject to the stock option exceeds the exercise price of the stock option. A SAR that is not granted in tandem with a stock option is exercisable at such times as the compensation committee may specify.

Performance Shares and Performance Unit Awards

Performance share and performance unit awards entitle the participant to receive cash or shares of our common stock upon the attainment of specified performance goals. In the case of performance units, the right to acquire the units is denominated in cash values.

Restricted Stock Awards and Restricted Stock Unit Awards

A restricted stock award is a grant or sale of common stock to the participant, subject to our right to repurchase all or part of the shares at their purchase price (or to require forfeiture of such shares if issued to the participant at no cost) in the event that conditions specified by the compensation committee in the award are not satisfied prior to the end of the time period during which the shares subject to the award may be repurchased by or forfeited to us. Our restricted stock unit entitles the participant to receive a cash payment equal to the fair market value of a share of common stock for each restricted stock unit subject to such restricted stock unit award, if the participant satisfies the applicable vesting requirement.

Unrestricted Stock Awards

An unrestricted stock award is a grant or sale of shares of our common stock to the participant that is not subject to transfer, forfeiture or other restrictions, in consideration for past services rendered to the Company or an affiliate or for other valid consideration.

Amendment and Termination

The compensation committee may adopt, amend and rescind rules relating to the administration of the 2016 Plan, and amend, suspend or terminate the 2016 Plan, but no such amendment or termination will be made that materially and adversely impairs the rights of any participant with respect to any award received thereby under the 2016 Plan without the participant's consent, other than amendments that are necessary to permit the granting of awards in compliance with applicable laws. We have attempted to structure the 2016 Plan so that remuneration attributable to stock options and other awards will not be subject to the deduction limitation contained in Code Section 162(m).

Director Compensation

Each independent director is entitled to receive $15,000 per annum for service on our Board in 2016. In addition, Chairmen of committees are awarded an additional $5,000 per annum in compensation in connection with their service in such capacity.

The following table summarizes data concerning the compensation of our non-employee directors for the year ended December 31, 2016.

Director Name	Fees Earned or Paid in Cash (1)	Total
Gijs van Thiel (2)	20,000	20,000
Joseph S. Glodek (3)	15,000	15,000
Alfred J. (Fred) Mulder	20,000	20,000

(1) The Company and the Board agreed that the fee owed to the members would be payable in stock valued at fair market value.
(2) Mr. Gijs van Thiel resigned from the Board on December 30, 2016.
(3) Mr. Glodek resigned from the Board on January 19, 2017.

Employment Agreement with Gianni B. Arcaini

Prior to the effectiveness of the Merger, DTI and Gianni B. Arcaini entered into an employment agreement (the "Arcaini Employment Agreement") dated May 1, 2003, as subsequently amended on February 10, 2004 and February 12, 2007, pursuant to which Mr. Arcaini served as Chief Executive Officer, President and Chairman of DTI. The Arcaini Employment Agreement has continued in effect following the Merger. Under the Arcaini Employment Agreement, Mr. Arcaini is paid an annual salary of $226,600 and a car allowance of $18,000 per annum. In addition, as incentive based compensation, Mr. Arcaini is entitled to 1% of annual gross revenues of DTI. However, in order to conserve cash flow, since January 2008, Mr. Arcaini has been deferring a part of his compensation and, as of December 31, 2016, such deferred amount including accrued interest totaled an aggregate of $681,381. The Arcaini Employment Agreement had an initial term that extended through April 30, 2006, subject to renewal for successive one-year terms unless either party gives notice of that party's election to not renew to the other at least 60 days prior to the expiration of the then-current term. The Arcaini Employment Agreement remains in effect through December 31, 2017 and contains certain provisions for early termination, which may result in a severance payment equal to one year of base salary then in effect. It is anticipated that Mr. Arcaini's compensation terms will be revisited in the future by the Compensation Committee of the Company's Board.

Potential Payments upon Change of Control or Termination following a Change of Control

Our employment agreement with Mr. Arcaini, our Chief Executive Officer, provides incremental compensation in the event of termination, as described herein. Generally, we currently do not provide any severance specifically upon a change in control nor do we provide for accelerated vesting upon change in control.

SECURITY OWNERSHIP OF CERTAIN BENEFICIAL OWNERS AND MANAGEMENT

The following table sets forth, as of July 14, 2017, the number of shares of our common stock owned by (i) each person who is known by us to own of record or beneficially five percent (5%) or more of our outstanding shares, (ii) all five percent (5%) or greater shareholders as a group, (iii) each of our directors, (iv) each of our executive officers and (v) all of our directors and executive officers as a group. Unless otherwise indicated, each of the persons listed below has sole voting and investment power with respect to the shares of our common stock beneficially owned. The address of our directors and officers is c/o Duos Technology Group, Inc., at 6622 Southpoint Drive S., Suite 310, Jacksonville, Florida 32216.

Name and Address of Beneficial Owner(1)	Outstanding Common Stock(4)	Percentage of Ownership of Common Stock(5)
5% Beneficial Shareholders		
De Hoge Noot BV(1)	487,846	25.8%
Alain Hirschler	149,295	7.9%
Michiel Hirschler	182,155	9.7%
Justin W. Keener	145,363	7.7%
Officers and Directors		
Gianni B. Arcaini	134,251(2)	7.2%
Adrian G. Goldfarb	4,732	*%
Alfred J. (Fred) Mulder	10,892	*%
Joseph P. Coschera(3)	886	*%
John F. Andrews(6)	0	0%
Blair M. Fonda(7)	0	0%
John E. Giles(7)	0	0%
Officers and Directors as a Group (7 persons)	150,761	8%

* denoted less than 1%

(1) To the best of our knowledge, the natural person or persons who hold voting and dispositive control over the shares beneficially owned by De Hoge Noot BV is Mr. Willem van Kooten, a resident of Hilversum, The Netherlands.

(2) These shares are held by Robex International, Inc., a Florida corporation ("Robex"). Mr. Arcaini owns 95% of Robex and has sole dispositive voting power over such shares.

(3) Mr. Coschera resigned as Chief Executive Officer and Director as of April 1, 2015, upon the effectiveness of the Merger. Mr. Coschera continues as an employee of the Company but no longer holds an executive position.

(4) Beneficial ownership is determined in accordance with Rule 13D-3(a) of the Exchange Act and generally includes voting or investment power with respect to securities.

(5) The percentages in the table have been calculated on the basis of treating as outstanding for a particular person, all shares of our common stock outstanding on that date and all shares of our common stock issuable to that holder in the event of exercise of outstanding options, warrants, rights or conversion privileges owned by that person at that date which are exercisable within 60 days of that date. Except as otherwise indicated, the persons listed below have sole voting and investment power with respect to all shares of our common stock owned by them, except to the extent that power may be shared with a spouse. As of July 14, 2017, there are 1,894,923 shares of the Company's common stock issued and outstanding.

(6) On March 17, 2017, Mr. John F. Andrews was appointed as Chief Operating Officer of the Company, with an amended effective date of March 27, 2017.

(7) On May 3, 2017, Mr. Blair Fonda and Mr. John Giles were appointed as members of the Board, effective immediately.

CERTAIN RELATIONSHIPS AND RELATED PARTY TRANSACTIONS

On August 1, 2012, the Company entered into independent contractor master services agreement (the "Services Agreement") with Luceon, LLC, a Florida company, owned by our Chief Technology Officer, David Ponevac. The Services Agreement provides that Luceon will provide support services including management, coordination or software development services and related services to the Company from time to time. Luceon, LLC provided three software developers during the year 2016 and the Company incurred $77,760 in fees for that same period.

On April 8, 2015, the Company received a $310,000 loan from a related party principal shareholder. The note accrues interest at the rate of 6% per annum and was repayable on or before October 31, 2015. There was accrued interest balance of $8,616 as of September 30, 2015. The Company and shareholder have agreed to replace the note with a new note in the amount of $320,166, which includes principal and accrued interest through October 31, 2015. Repayment shall occur with eleven monthly payments of $27,750 plus one final payment of $27,006.63 (including interest of 6%) beginning on or before December 31, 2015. As of March 31, 2017, the Company is twelve payments in arrears and the outstanding balance was $226,936.

On January 24, 2016, the wife of the CEO loaned the Company an additional $20,000 at an annual percentage rate of 8% and repayable by the Company when sufficient funds are available. The total principal due at March 31, 2017 and December 31, 2016 was $56,500 and $36,500, respectively.

On January 28, 2016, the CFO loaned the Company $30,000, accruing interest at 8% per annum which is repayable by the Company when sufficient funds are available. As of March 31, 2017 and December 31, 2016, the outstanding loan balance was $31,973 and $31,973, respectively.

On July 19, 2016, the Company received a $60,000 loan less fees of $75 for a related party loan with proceeds of $59,925 from the Company's CEO. The promissory note carries an annual interest rate of 7.99% with a monthly installment payment of $1,052 through July 19, 2022. As of March 31, 2017 and December 31, 2016, the outstanding balance was $54,576 and $56,614, respectively.

On August 11, 2016, the Company received an $111,645 loan from a related party principal shareholder. The note accrues interest at the rate of 8% per annum and is repayable on or before February 11, 2017. As of March 31, 2017, the outstanding balance was $105,219. The note is currently in technical default. However, as of the time of this report, the lender has agreed not to pursue any default remedies and has informally agreed to work with us until such time as the note can be repaid.

On June 9, 2017, the Company entered into a letter agreement with Mr. Gianni Arcaini, the Chief Executive Officer and a Director of the Company (the "Arcaini Letter Agreement"), whereby Mr. Arcaini agreed to convert all deferred compensation owed to him under his Employment Agreement ("Arcaini Debt Obligation") into common stock of the Company, contingent upon the completion of this offering. The aggregate amount of $700,543 ("Arcaini Obligation") will be owed to Mr. Arcaini under the Arcaini Debt Obligation including interest through June 30, 2017. Pursuant to the Arcaini Letter Agreement, the Arcaini Debt Obligation will automatically convert upon consummation of this offering into such number of restricted shares of the Company's common stock calculated by dividing the Arcaini Debt Obligation by $5.00 or 140,109 shares. The Company anticipates amending the Arcaini Letter Agreement to issue Mr. Arcaini 140,109 warrants upon consummation of the Offering. Mr. Arcaini has agreed to enter into a lock-up agreement prohibiting the sale or other transfer of all securities of the Company owned by him for a period of 6 months.

On June 9, 2017, the Company entered into a letter agreement with Mr. Adrian Goldfarb, the Chief Financial Officer of the Company (the "Goldfarb Letter Agreement"), whereby Mr. Goldfarb agreed to convert all amounts due and owing to him under that certain promissory note issued by the Company ("Goldfarb Debt Obligation") into common stock of the Company, contingent upon the completion of this offering. The aggregate amount of $33,620 ("Goldfarb Obligation") will be owed to Mr. Goldfarb under the Goldfarb Debt Obligation including interest through June 30, 2017. Pursuant to the Goldfarb Letter Agreement, the Goldfarb Debt Obligation will automatically convert upon consummation of this offering into such number of restricted shares of the Company's common stock calculated by dividing the Goldfarb Debt Obligation by $5.00 or 6,724 shares. The Company anticipates amending the Goldfarb Letter Agreement to issue Mr. Goldfarb 6,724 warrants upon consummation of the Offering. Mr. Goldfarb has agreed to enter into a lock-up agreement prohibiting the sale or other transfer of all securities of the Company owned by him for a period of 6 months.

Policy on Future Related Party Transactions

The Company requires that any related party transactions must be approved by a majority of the Company's independent directors.

DESCRIPTION OF CAPITAL STOCK

In the discussion that follows, we have summarized selected provisions of our certificate of incorporation, bylaws and the Florida Business Corporation Act relating to our capital stock. This summary is not complete. This discussion is subject to the relevant provisions of Florida law and is qualified by reference to our certificate of incorporation and our bylaws. You should read the provisions of our certificate of incorporation and our bylaws as currently in effect for provisions that may be important to you.

General

The Company is authorized to issue an aggregate number of 510,000,000 shares of capital stock, of which 10,000,000 shares are blank check preferred stock, $0.001 par value per share and 500,000,000 shares are common stock, $0.001 par value per share.

Preferred Stock

The Company is authorized to issue 10,000,000 shares of blank check preferred stock, $0.001 par value per share. The Company has one class of preferred stock currently authorized for issuance.

Series A Convertible Preferred Stock

The following summary of certain terms and provisions of our Series A Convertible Preferred Stock (the "Series A Preferred") is subject to, and qualified in its entirety by reference to, the terms and provisions set forth in our certificate of designation of preferences, rights and limitations of Series A Convertible Preferred Stock (the "Series A Preferred Certificate of Designation").

General. Our certificate of incorporation authorizes our board of directors to issue up to 10,000,000 shares of our preferred stock, par value $0.001 per share.

Subject to the limitations prescribed by our articles of incorporation, our board of directors is authorized to establish the number of shares constituting each series of preferred stock and to fix the designations, powers, preferences and rights of the shares of each of those series and the qualifications, limitations and restrictions of each of those series, all without any further vote or action by our stockholders. Our board of directors has designated 500,000 of the 10,000,000 authorized shares of preferred stock as Series A Convertible Preferred Stock. When issued, the shares of Series A Convertible Preferred Stock will be validly issued, fully paid and non-assessable.

Rank. The Series A Convertible Preferred Stock will rank senior to our common stock to the extent of its liquidation preference of $10 per share (the "Stated Value").

Conversion. Each share of the Series A Preferred is convertible into shares of our common stock (subject to adjustment as provided in the related certificate of designation of preferences) at any time at the option of the holder, into that number of shares of common stock determined by dividing the sum of (i) the Stated Value of such shares of Series A Preferred and (ii) the accrued and unpaid dividends per share by the conversion price of $6.30 (the "Conversion Price").

Liquidation Preference. In the event of our liquidation, dissolution or winding up, whether voluntary or involuntary (the "Liquidation Event"), holders of the Series A Preferred then outstanding shall be entitled to receive, out of assets of the Company available for distribution to its stockholders, an amount equal to the Stated Value plus any accrued and unpaid dividends as of the date of such Liquidation Event.

Voting Rights. Holders of Series A Preferred will vote on an as converted basis on all matters on which the holders of common stock are entitled to vote. In addition, as long as the Series A Preferred remains outstanding, the Company shall not, without the affirmative vote of the holders of a majority of the then outstanding shares of the Series A Preferred (i) alter or change adversely the powers, preferences or rights given to the Series A Preferred (ii) authorize or create any class of stock ranking as to dividends, redemption or distribution of assets upon a Liquidation Event senior to, or otherwise pari passu with, the Series A Preferred (iii) amend its Articles of Incorporation or other charter documents in any way that may adversely affect any rights of Series A Preferred, (iv) increase the authorized shares of Series A Preferred or (v) enter into any agreement with respect to the foregoing.

Dividends. Each share of Series A Convertible Preferred Stock shall be entitled to receive, an annual 8% dividend. Such dividend will be accrued and be paid either as part of conversion to common stock where such dividend will be converted at the same rate or on redemption at the end of 3 years. The holders of shares of the Series A shall be entitled to receive, when, as and if declared by the Board of Directors out of funds legally available therefore, cumulative cash dividends at an annual rate of eight percent (8%) of the Stated Value (the "Dividend Rate"). Such dividends on shares of Series A shall be cumulative from the date such shares are issued, whether or not in any period there shall be funds of the Company legally available for the payment of such dividends and whether or not such dividends are declared, and shall be payable quarterly, when as, and if declared by the Board of Directors, on April 10, July 10, October 10, and January 10 in each year (each a "Dividend Payment Date"_ to holders of record as of March 31, June 30, September 30 and December 31 in each year (the "Record Date"). Cumulative dividends shall at all times accrue a compounded rate equal to the Dividend Rate and shall accrue from and including the date of issuance of such shares to and including a Dividend Payment Date. Such dividends shall accrue whether or not there shall be (at the time such dividend becomes payable or at any other time) profits, surplus or other funds of the Company legally available for the payment of dividends.

Certain Adjustments. The conversion price of the Series A Convertible Preferred Stock is subject to adjustment upon the occurrence of specific events, including stock dividends, stock splits, combinations and reclassifications of our common stock. Additionally, if the Company sells or issues any shares of Common Stock or Common Stock Equivalents at a price per share less than the Conversion price (a "Lower-Price Issuance") in connection with a financing where one of the purposes is to permit the Company's Common Stock being accepted for listing on a National Securities Exchange, then for a period of 30 days after the Common Stock begins to trade on a National Securities Exchange the Conversion Price shall be reduced to the Lower Price Issuance. After the 30-day period has expired, the Conversion Price shall increase to the level immediately prior to commencement of the 30-day period.

Redemption. The holder has the right to request redemption of the Series A Preferred Stock after a period of 3 years in an amount equal to the Stated Value plus accrued and unpaid dividends.

As of June 9, 2017, we have 29,600 shares of Series A Convertible Preferred Stock issued and outstanding.

Common Stock

The Company is authorized to issue 500,000,000 shares of common stock, $0.001 par value per share. As of July 14, 2017, we have 1,894,923 shares of common stock issued and outstanding.

Each share of common stock shall have one (1) vote per share for all purpose. Our common stock does not provide a preemptive, subscription or conversion rights and there is no redemption or sinking fund provisions or rights. Our common stock holders are not entitled to cumulative voting for purposes of electing members to our board of directors.

Dividends

We have not paid any cash dividends to our shareholders. The declaration of any future cash dividends is at the discretion of our board of directors and depends upon our earnings, if any, our capital requirements and financial position, our general economic conditions, and other pertinent conditions. It is our present intention not to pay any cash dividends in the foreseeable future, but rather to reinvest earnings, if any, in our business operations.

Warrants

As of July 14, 2017, there are warrants outstanding to purchase 472,384 shares of our common stock of which 378,952 warrants are subject to full ratchet price protection on the exercise price potentially increasing the total number of common shares issuable upon exercise. The warrants are exercisable for a term of five years with an exercise price range of $5.25 – $14.00.

Warrants to Be Issued in the Offering

The following summary of certain terms and provisions of the warrants offered hereby is not complete and is subject to, and qualified in its entirety by the provisions of the form of warrant, which is filed as an exhibit to the registration statement of which this prospectus is a part. Prospective investors should carefully review the terms and provisions set forth in the form of warrant.

Exercisability. The warrants are exercisable at any time after their original issuance and at any time up to the date that is five years after their original issuance. The warrants will be exercisable, at the option of each holder, in whole or in part by delivering to us a duly executed exercise notice and, at any time a registration statement registering the issuance of the shares of common stock underlying the warrants under the Securities Act is effective and available for the issuance of such shares, or an exemption from registration under the Securities Act is available for the issuance of such shares, by payment in full in immediately available funds for the number of shares of common stock purchased upon such exercise. If a registration statement registering the issuance of the shares of common stock underlying the warrants under the Securities Act is not effective or available and an exemption from registration under the Securities Act is not available for the issuance of such shares, the holder may, in its sole discretion, elect to exercise the warrant through a cashless exercise, in which case the holder would receive upon such exercise the net number of shares of common stock determined according to the formula set forth in the warrant. No fractional shares of common stock will be issued in connection with the exercise of a warrant. In lieu of fractional shares, we will pay the holder an amount in cash equal to the fractional amount multiplied by the exercise price.

Exercise Limitation. A holder will not have the right to exercise any portion of the warrant if the holder (together with its affiliates) would beneficially own in excess of 4.99% of the number of shares of our common stock outstanding immediately after giving effect to the exercise, as such percentage ownership is determined in accordance with the terms of the warrants. However, any holder may increase or decrease such percentage to any other percentage not in excess of 9.99% upon at least 61 days' prior notice from the holder to us.

Exercise Price. The exercise price per whole share of common stock purchasable upon exercise of the warrants is expected to be $_____ per share or 125% of public offering price of common stock. The exercise price is subject to appropriate adjustment in the event of certain stock dividends and distributions, stock splits, stock combinations, reclassifications or similar events affecting our common stock and also upon any distributions of assets, including cash, stock or other property to our stockholders.

Transferability. Subject to applicable laws, the warrants may be offered for sale, sold, transferred or assigned without our consent.

Exchange Listing. We intend to apply for the listing of the warrants offered in this offering on The NASDAQ Capital Market under the symbol "DUOTW". No assurance can be given that such listing will be approved or that a trading market will develop.

Fundamental Transactions. In the event of a fundamental transaction, as described in the warrants and generally including any reorganization, recapitalization or reclassification of our common stock, the sale, transfer or other disposition of all or substantially all of our properties or assets, our consolidation or merger with or into another person, the acquisition of more than 50% of our outstanding common stock, or any person or group becoming the beneficial owner of 50% of the voting power represented by our outstanding common stock, the holders of the warrants will be entitled to receive upon exercise of the warrants the kind and amount of securities, cash or other property that the holders would have received had they exercised the warrants immediately prior to such fundamental transaction.

Rights as a Stockholder. Except as otherwise provided in the warrants or by virtue of such holder's ownership of shares of our common stock, the holder of a warrant does not have the rights or privileges of a holder of our common stock, including any voting rights, until the holder exercises the warrant.

Representatives' Warrants

The representative's warrants will be exercisable at any time, and from time to time, in whole or in part, during the four-year period commencing one year from the effective date of the registration statement at a per share exercise price equal to 125% of the public offering price per share of common stock in the offering.

The exercise price and number of shares of common stock issuable upon exercise of the warrants may be adjusted in certain circumstances including in the event of a stock dividend, extraordinary cash dividend or our recapitalization, reorganization, merger or consolidation. However, the warrant exercise price or underlying shares will not be adjusted for issuances of shares of common stock at a price below the warrant exercise price.

Transfer Agent

The transfer agent and registrar for our Common Stock is Pacific Stock Transfer Company, Corporate Office, 173-3 Keith Street, Warrenton, VA 20186.

Florida Anti-Takeover Law and Certain Charter and Bylaw Provisions

Certain provisions of Florida law and our Charter and bylaws could make it more difficult to acquire us by means of a tender offer, a proxy contest or otherwise, or to remove incumbent officers and directors. These provisions, summarized below, may discourage certain types of takeover practices and takeover bids, and encourage persons seeking to acquire control of our company to first negotiate with us. We believe that the potential ability to negotiate with the proponent of an unfriendly or unsolicited proposal to acquire or restructure us outweigh the disadvantages of discouraging such proposals because, among other things, negotiation of such proposals could result in an improvement of their terms.

Florida Law

As a Florida corporation, we are subject to certain anti-takeover provisions that apply to public corporations under Florida law.

Pursuant to Section 607.0901 of the Florida Business Corporation Act, or the FBCA, a publicly held Florida corporation may not engage in a broad range of business combinations or other extraordinary corporate transactions with an interested shareholder without the approval of the holders of two-thirds of the voting shares of the corporation (excluding shares held by the interested shareholder), unless:

The transaction is approved by a majority of disinterested directors before the shareholder becomes an interested shareholder;

The interested shareholder has owned at least 80% of the corporation's outstanding voting shares for at least five years preceding the announcement date of any such business combination;

The interested shareholder is the beneficial owner of at least 90% of the outstanding voting shares of the corporation, exclusive of shares acquired directly from the corporation in a transaction not approved by a majority of the disinterested directors; or

The consideration paid to the holders of the corporation's voting stock is at least equal to certain fair price criteria.

An interested shareholder is defined as a person who, together with affiliates and associates, beneficially owns more than 10% of a corporation's outstanding voting shares. We have not made an election in our amended Articles of Incorporation to opt out of Section 607.0901.

In addition, we are subject to Section 607.0902 of the FBCA which prohibits the voting of shares in a publicly held Florida corporation that are acquired in a control share acquisition unless (i) our Board of Directors approved such acquisition prior to its consummation or (ii) after such acquisition, in lieu of prior approval by our Board of Directors, the holders of a majority of the corporation's voting shares, exclusive of shares owned by officers of the corporation, employee directors or the acquiring party, approve the granting of voting rights as to the shares acquired in the control share acquisition. A control share acquisition is defined as an acquisition that immediately thereafter entitles the acquiring party to 20% or more of the total voting power in an election of directors.

SHARES ELIGIBLE FOR FUTURE SALE

Future sales of substantial amounts of our common stock in the public market, including shares issued upon exercise of outstanding warrants, or the anticipation of these sales, could adversely affect prevailing market prices from time to time and could impair our ability to raise equity capital in the future.

Based on the number of shares of common stock outstanding as of July 14, 2017, after giving effect to the closing of this offering we will have 4,352,000 shares of common stock outstanding (which number includes the conversion of $1,307,387 of certain debt obligations and related accrued interest into 261,477 shares of our common stock upon completion of this offering), assuming (1) no exercise of the underwriters' option to purchase additional shares of common stock and (2) no exercise of outstanding warrants. Of those shares, all of the shares sold in this offering will be freely tradable, except that any shares held by our "affiliates," as that term is defined in Rule 144 under the Securities Act, or Rule 144, may only be sold in compliance with the limitations described below.

Rule 144

In general, under Rule 144, any person who is not our affiliate and has held their shares for at least six months, including the holding period of any prior owner other than one of our affiliates, may sell shares without restriction, subject to the availability of current public information about us. In addition, under Rule 144, any person who is not an affiliate of ours and has held their shares for at least one year, including the holding period of any prior owner other than one of our affiliates, would be entitled to sell an unlimited number of shares without regard to whether current public information about us is available. A person who is our affiliate or who was our affiliate at any time during the preceding three months, and who has beneficially owned restricted securities for at least six months, including the holding period of any prior owner other than one of our affiliates, is entitled to sell a number of shares within any three-month period that does not exceed the greater of:

- 1% of the number of shares of our common stock then outstanding, which will equal approximately 47,780 shares immediately after this offering; or
- the average weekly trading volume of our common stock on the NASDAQ Capital Market during the four calendar weeks preceding the filing of a notice on Form 144 with respect to the sale.

Sales under Rule 144 by our affiliates are also subject to manner of sale provisions and notice requirements, and to the availability of current public information about us.

Warrants

As of July 14, 2017, warrants to purchase a total of 472,384 shares of common stock were outstanding of which 378,952 warrants are subject to full ratchet price protection on the exercise price potentially increasing the total amount of common shares issuance upon exercise. Upon the exercise of outstanding warrants, shares will become eligible for sale subject to Rule 144.

Lock-Up Agreements

Our directors and executive officers and certain stockholders have agreed with the underwriters that for a period of 180 days after the date of this prospectus in the case of directors and executive officers and one principal stockholder, and 90 days after the date of this prospectus in the case of our other principal stockholders, except with the prior written consent of the representatives and subject to specified exceptions, we or they will not offer, pledge, sell, contract to sell, sell any option or contract to purchase, purchase any option or contract to sell, grant any option, right or warrant to purchase, lend or otherwise transfer or dispose of, directly or indirectly, any shares of common stock or any securities convertible into or exercisable or exchangeable for shares of common stock, or enter into any swap or other arrangement that transfers to another, in whole or in part, any of the economic consequences of ownership of the common stock. Following the expiration of the lock-up agreements, shares will become eligible for sale subject to Rule 144.

UNDERWRITING

Joseph Gunnar & Co., LLC is acting as representative of the underwriters (the "Representative"). Subject to the terms and conditions of an underwriting agreement between us and the Representative, we have agreed to sell to each underwriter named below, and each underwriter named below has severally agreed to purchase, at the public offering price less the underwriting discounts set forth on the cover page of this prospectus, the number of shares of common stock and warrants listed next to its name in the following table:

Name of Underwriter	Number of Shares	Number of Warrants
Joseph Gunnar & Co., LLC		
Total		

The underwriters are committed to purchase all the shares of common stock and warrants offered by us if they purchase any shares of common stock and warrants. The underwriting agreement also provides that if an underwriter defaults, the purchase commitments of non-defaulting underwriters may be increased or the offering may be terminated. The underwriters are not obligated to purchase the shares of common stock and/or warrants covered by the underwriters' over-allotment option described below. The underwriters are offering the shares of common stock and warrants, subject to prior sale, when, as and if issued to and accepted by them, subject to approval of legal matters by their counsel, and other conditions contained in the underwriting agreement, such as the receipt by the underwriters of officer's certificates and legal opinions. The underwriters reserve the right to withdraw, cancel or modify offers to the public and to reject orders in whole or in part.

Discounts and Commissions

The underwriters propose initially to offer the shares of common stock and warrants to the public at the public offering price set forth on the cover page of this prospectus and to dealers at those prices less a concession not in excess of $0.80 per share of common stock and warrant. If all of the shares of common stock and warrants offered by us are not sold at the public offering price, the underwriters may change the offering price and other selling terms by means of a supplement to this prospectus.

The following table shows the public offering price, underwriting discounts and commissions and proceeds before expenses to us. The information assumes either no exercise or full exercise of the over-allotment option we granted to the representatives of the underwriters.

	Per Combined Share and Warrant	Total Without Over-Allotment Option	Total With Full Over-Allotment Option
Public offering price	$	$	$
Underwriting discount	$	$	$
Proceeds, before expenses, to us	$	$	$

We have agreed to pay a non-accountable expense allowance to the representative of the underwriters equal to 1% of the gross proceeds received at the closing of the offering. We have paid an expense deposit of $50,000 to the representative, which will be applied against the out-of-pocket accountable expenses that will be paid by us to the underwriters in connection with this offering, and will be reimbursed to us to the extent not actually incurred in compliance with FINRA Rule 5110(f)(2)(C).

We have also agreed to pay the representative's expenses relating to the offering, including (a) all actual filing fees incurred in connection with the review of this offering by the Financial Industry Regulatory Authority, or FINRA; (b) all fees, expenses and disbursements relating to background checks of our officers and directors in an amount not to exceed $15,000 in the aggregate; (c) the costs associated with bound volumes of the public offering materials as well as commemorative mementos and lucite tombstones, not to exceed $2,500; (d) the fees and expenses of the Underwriter's legal counsel not to exceed $75,000; (e) the $29,500 cost associated with the use of Ipreo's book building, prospectus tracking and compliance software for the Offering; and (f) up to $20,000 of Joseph Gunnar & Co.'s actual accountable "road show" expenses for the Public Offering.

The total estimated expenses of the offering, including registration, filing and listing fees, printing fees and legal and accounting expenses, but excluding underwriting discounts, commissions and expenses, are approximately $413,186 and are payable by us.

Over-Allotment Option

We have granted a 45-day option to the representative of the underwriters to purchase up to 329,340 additional shares of our common stock at a public offering price of $___ per share and/or warrants to purchase 329,340 shares of our common stock at a public offering price of $___ per warrant, solely to cover over-allotments, if any.

The underwriters may exercise this option for 45 days from the date of this prospectus solely to cover sales of shares of common stock and/or warrants by the underwriters in excess of the total number of shares of common stock and/or warrants set forth in the table above. If any of these additional shares and/or warrants are purchased, the underwriters will offer the additional shares and/or warrants on the same terms as those on which the shares and warrants are being offered. We will pay the expenses associated with the exercise of the over-allotment option.

Representatives' Warrants

We have agreed to issue to the representative the representative's warrants to purchase up to 126,247 shares of common stock (5% of the shares of common stock and shares of common stock underlying warrants sold in this offering, plus 5% of any shares of common stock and/or warrants sold upon exercise of the over-allotment option, if any). We are registering hereby the issuance of the representative's warrants and the shares of common stock issuable upon exercise of the warrants. The representative's warrants will be exercisable at any time, and from time to time, in whole or in part, during the four-year period commencing one year from the effective date of the registration statement at a per share exercise price equal to 125% of the public offering price per share of common stock in the offering. The representative's warrants and the shares of common stock underlying the warrants have been deemed compensation by FINRA and are, therefore, subject to a 180-day lock-up pursuant to Rule 5110(g)(1) of FINRA. The representatives (or permitted assignees under the Rule) will not sell, transfer, assign, pledge or hypothecate these warrants or the securities underlying these warrants, nor will it engage in any hedging, short sale, derivative, put or call transaction that would result in the effective economic disposition of these warrants or the underlying securities for a period of 180 days after the effective date. The exercise price and number of shares of common stock issuable upon exercise of the warrants may be adjusted in certain circumstances including in the event of a stock dividend, extraordinary cash dividend or our recapitalization, reorganization, merger or consolidation. However, the warrant exercise price or underlying shares will not be adjusted for issuances of shares of common stock at a price below the warrant exercise price.

The representative is also entitled to receive a warrant (the "Private Placement Warrant") in connection with its role as the placement agent in the JMJ Financing. The Private Placement Warrant has not yet been issued. The Private Placement Warrant will entitle the representative to purchase up to 75,791 shares of common stock. The Private Placement Warrant will have the same terms as the representative's warrant described above.

Lock-Up Agreements

Pursuant to "lock-up" agreements, we, our executive officers and directors, and certain of our stockholders, have agreed, without the prior written consent of the Representative not to directly or indirectly, offer to sell, sell, pledge or otherwise transfer or dispose of any of shares of (or enter into any transaction or device that is designed to, or could be expected to, result in the transfer or disposition by any person at any time in the future of) our common stock, enter into any swap or other derivatives transaction that transfers to another, in whole or in part, any of the economic benefits or risks of ownership of shares of our common stock, make any demand for or exercise any right or cause to be filed a registration statement, including any amendments thereto, with respect to the registration of any shares of common stock or securities convertible into or exercisable or exchangeable for common stock or any other securities of the Company or publicly disclose the intention to do any of the foregoing, subject to customary exceptions, for a period of 180 days from the date of this prospectus, in the case of our directors, officers and largest principal shareholder, and 90 days from the date of this prospectus, in the case of our other principal stockholders.

Right of First Refusal

We have granted the representatives a right of first refusal, for a period of twenty four months from the commencement of sales of the offering, to act as sole and exclusive investment banker, book-runner, financial advisor, underwriter and/or placement agent, at the Representative's sole and exclusive discretion, for each and every future public and private equity and debt offering, including all equity linked financings (each, a "Subject Transaction"), during such twenty-four (24) month period, of the Company, or any successor to or subsidiary of the Company, on terms and conditions customary to the Representative for such Subject Transactions.

Indemnification

We have agreed to indemnify the underwriters against certain liabilities, including liabilities under the Securities Act, and to contribute to payments that the underwriters may be required to make for these liabilities.

Price Stabilization, Short Positions and Penalty Bids

In order to facilitate the offering of our securities, the underwriters may engage in transactions that stabilize, maintain or otherwise affect the price of our securities. In connection with the offering, the underwriters may purchase and sell our securities in the open market. These transactions may include short sales, purchases on the open market to cover positions created by short sales and stabilizing transactions. Short sales involve the sale by the underwriters of a greater number of shares of securities than they are required to purchase in the offering. "Covered" short sales are sales made in an amount not greater than the underwriters' option to purchase additional shares of securities in the offering. The underwriters may close out any covered short position by either exercising the over-allotment option or purchasing shares of securities in the open market. In determining the source of shares of securities to close out the covered short position, the underwriters will consider, among other things, the price of shares available for purchase in the open market as compared to the price at which they may purchase shares through the over-allotment option. "Naked" short sales are sales in excess of the over-allotment option. The underwriters must close out any naked short position by purchasing securities in the open market. A naked short position is more likely to be created if the underwriters are concerned that there may be downward pressure on the price of our securities in the open market after pricing that could adversely affect investors who purchase in the offering. Stabilizing transactions consist of various bids for or purchases of shares of securities made by the underwriters in the open market before the completion of the offering.

Similar to other purchase transactions, the underwriters' purchases to cover the syndicate short sales may have the effect of raising or maintaining the market price of our securities or preventing or retarding a decline in the market price of our securities. As result, the price of our securities may be higher than the price that might otherwise exist in the open market.

The underwriters have advised us that, pursuant to Regulation M under the Exchange Act, they may also engage in other activities that stabilize, maintain or otherwise affect the price of our securities, including the imposition of penalty bids. This means that if the representative of the underwriters purchases securities in the open market in stabilizing transactions or to cover short sales, the representative can require the underwriters that sold those shares as part of this offering to repay the underwriting discount received by them.

The underwriters make no representation or prediction as to the direction or magnitude of any effect that the transactions described above may have on the price of our securities. In addition, neither we nor the underwriters make any representation that the underwriters will engage in these transactions or that these transactions, once commenced, will not be discontinued without notice.

Electronic Offer, Sale and Distribution of Shares

A prospectus in electronic format may be made available on the websites maintained by one or more underwriters or selling group members, if any, participating in the offering. The underwriters may agree to allocate a number of shares of securities to underwriters and selling group members for sale to their online brokerage account holders. Internet distributions will be allocated by the representative to underwriters and selling group members that may make internet distributions on the same basis as other allocations. Other than the prospectus in electronic format, the information on the underwriters' websites and any information contained in any other website maintained by the underwriters is not part of this prospectus or the registration statement of which this prospectus forms a part.

Other Relationships

From time to time, certain of the underwriters and their affiliates have provided, and may provide in the future, various advisory, investment and commercial banking and other services to us in the ordinary course of business, for which they have received and may continue to receive customary fees and commissions. However, except as disclosed in this prospectus, we have no present arrangements with any of the underwriters for any further services.

Offer Restrictions Outside the United States

Other than in the United States, no action has been taken by us or the underwriters that would permit a public offering of the securities offered by this prospectus in any jurisdiction where action for that purpose is required. The securities offered by this prospectus may not be offered or sold, directly or indirectly, nor may this prospectus or any other offering material or advertisements in connection with the offer and sale of any such securities be distributed or published in any jurisdiction, except under circumstances that will result in compliance with the applicable rules and regulations of that jurisdiction. Persons into whose possession this prospectus comes are advised to inform themselves about and to observe any restrictions relating to the offering and the distribution of this prospectus. This prospectus does not constitute an offer to sell or a solicitation of an offer to buy any securities offered by this prospectus in any jurisdiction in which such an offer or a solicitation is unlawful.

Australia

This prospectus is not a disclosure document under Chapter 6D of the Australian Corporations Act, has not been lodged with the Australian Securities and Investments Commission and does not purport to include the information required of a disclosure document under Chapter 6D of the Australian Corporations Act. Accordingly, (i) the offer of the securities under this prospectus is only made to persons to whom it is lawful to offer the securities without disclosure under Chapter 6D of the Australian Corporations Act under one or more exemptions set out in section 708 of the Australian Corporations Act, (ii) this prospectus is made available in Australia only to those persons as set forth in clause (i) above, and (iii) the offeree must be sent a notice stating in substance that by accepting this offer, the offeree represents that the offeree is such a person as set forth in clause (i) above, and, unless permitted under the Australian Corporations Act, agrees not to sell or offer for sale within Australia any of the securities sold to the offeree within 12 months after its transfer to the offeree under this prospectus.

Canada

The securities may be sold in Canada only to purchasers purchasing, or deemed to be purchasing, as principal that are accredited investors, as defined in National Instrument 45-106 Prospectus Exemptions or subsection 73.3(1) of the Securities Act (Ontario), and are permitted clients, as defined in National Instrument 31-103 Registration Requirements, Exemptions and Ongoing Registrant Obligations. Any resale of the securities must be made in accordance with an exemption from, or in a transaction not subject to, the prospectus requirements of applicable securities laws. Securities legislation in certain provinces or territories of Canada may provide a purchaser with remedies for rescission or damages if this prospectus (including any amendment thereto) contains a misrepresentation, provided that the remedies for rescission or damages are exercised by the purchaser within the time limit prescribed by the securities legislation of the purchaser's province or territory. The purchaser should refer to any applicable provisions of the securities legislation of the purchaser's province or territory for particulars of these rights or consult with a legal advisor. Pursuant to section 3A.3 of National Instrument 33-105 Underwriting Conflicts (NI 33-105), the underwriters are not required to comply with the disclosure requirements of NI 33-105 regarding underwriter conflicts of interest in connection with this offering.

China

The information in this document does not constitute a public offer of the securities, whether by way of sale or subscription, in the People's Republic of China (excluding, for purposes of this paragraph, Hong Kong Special Administrative Region, Macau Special Administrative Region and Taiwan). The securities may not be offered or sold directly or indirectly in the PRC to legal or natural persons other than directly to "qualified domestic institutional investors."

European Economic Area — Belgium, Germany, Luxembourg and Netherlands

The information in this document has been prepared on the basis that all offers of securities will be made pursuant to an exemption under the Directive 2003/71/EC ("Prospectus Directive"), as implemented in Member States of the European Economic Area (each, a "Relevant Member State"), from the requirement to produce a prospectus for offers of securities.

An offer to the public of securities has not been made, and may not be made, in a Relevant Member State except pursuant to one of the following exemptions under the Prospectus Directive as implemented in that Relevant Member State:

(a) to legal entities that are authorized or regulated to operate in the financial markets or, if not so authorized or regulated, whose corporate purpose is solely to invest in securities;
(b) to any legal entity that has two or more of (i) an average of at least 250 employees during its last fiscal year; (ii) a total balance sheet of more than €43,000,000 (as shown on its last annual unconsolidated or consolidated financial statements) and (iii) an annual net turnover of more than €50,000,000 (as shown on its last annual unconsolidated or consolidated financial statements);
(c) to fewer than 100 natural or legal persons (other than qualified investors within the meaning of Article 2(1)(e) of the Prospectus Directive) subject to obtaining the prior consent of the Company or any underwriter for any such offer; or
(d) in any other circumstances falling within Article 3(2) of the Prospectus Directive, provided that no such offer of securities shall result in a requirement for the publication by the Company of a prospectus pursuant to Article 3 of the Prospectus Directive.

France

This document is not being distributed in the context of a public offering of financial securities (offre au public de titres financiers) in France within the meaning of Article L.411-1 of the French Monetary and Financial Code (Code monétaire et financier) and Articles 211-1 et seq. of the General Regulation of the French Autorité des marchés financiers ("AMF"). The securities have not been offered or sold and will not be offered or sold, directly or indirectly, to the public in France.

This document and any other offering material relating to the securities have not been, and will not be, submitted to the AMF for approval in France and, accordingly, may not be distributed or caused to distributed, directly or indirectly, to the public in France.

Such offers, sales and distributions have been and shall only be made in France to (i) qualified investors (investisseurs qualifiés) acting for their own account, as defined in and in accordance with Articles L.411-2-II-2° and D.411-1 to D.411-3, D. 744-1, D.754-1 and D.764-1 of the French Monetary and Financial Code and any implementing regulation and/or (ii) a restricted number of non-qualified investors (cercle restreint d'investisseurs) acting for their own account, as defined in and in accordance with Articles L.411-2-II-2° and D.411-4, D.744-1, D.754-1 and D.764-1 of the French Monetary and Financial Code and any implementing regulation.

Pursuant to Article 211-3 of the General Regulation of the AMF, investors in France are informed that the securities cannot be distributed (directly or indirectly) to the public by the investors otherwise than in accordance with Articles L.411-1, L.411-2, L.412-1 and L.621-8 to L.621-8-3 of the French Monetary and Financial Code.

Ireland

The information in this document does not constitute a prospectus under any Irish laws or regulations and this document has not been filed with or approved by any Irish regulatory authority as the information has not been prepared in the context of a public offering of securities in Ireland within the meaning of the Irish Prospectus (Directive 2003/71/EC) Regulations 2005 (the "Prospectus Regulations"). The securities have not been offered or sold, and will not be offered, sold or delivered directly or indirectly in Ireland by way of a public offering, except to (i) qualified investors as defined in Regulation 2(l) of the Prospectus Regulations and (ii) fewer than 100 natural or legal persons who are not qualified investors.

Israel

The securities offered by this prospectus have not been approved or disapproved by the Israeli Securities Authority (the ISA), nor have such securities been registered for sale in Israel. The shares may not be offered or sold, directly or indirectly, to the public in Israel, absent the publication of a prospectus. The ISA has not issued permits, approvals or licenses in connection with the offering or publishing the prospectus; nor has it authenticated the details included herein, confirmed their reliability or completeness, or rendered an opinion as to the quality of the securities being offered. Any resale in Israel, directly or indirectly, to the public of the securities offered by this prospectus is subject to restrictions on transferability and must be effected only in compliance with the Israeli securities laws and regulations.

Italy

The offering of the securities in the Republic of Italy has not been authorized by the Italian Securities and Exchange Commission (Commissione Nazionale per le Societ—$$—Aga e la Borsa, "CONSOB" pursuant to the Italian securities legislation and, accordingly, no offering material relating to the securities may be distributed in Italy and such securities may not be offered or sold in Italy in a public offer within the meaning of Article 1.1(t) of Legislative Decree No. 58 of 24 February 1998 ("Decree No. 58"), other than:

- to Italian qualified investors, as defined in Article 100 of Decree no.58 by reference to Article 34-ter of CONSOB Regulation no. 11971 of 14 May 1999 ("Regulation no. 1197l") as amended ("Qualified Investors"); and
- in other circumstances that are exempt from the rules on public offer pursuant to Article 100 of Decree No. 58 and Article 34-ter of Regulation No. 11971 as amended.

Any offer, sale or delivery of the securities or distribution of any offer document relating to the securities in Italy (excluding placements where a Qualified Investor solicits an offer from the issuer) under the paragraphs above must be:

- made by investment firms, banks or financial intermediaries permitted to conduct such activities in Italy in accordance with Legislative Decree No. 385 of 1 September 1993 (as amended), Decree No. 58, CONSOB Regulation No. 16190 of 29 October 2007 and any other applicable laws; and
- in compliance with all relevant Italian securities, tax and exchange controls and any other applicable laws.

Any subsequent distribution of the securities in Italy must be made in compliance with the public offer and prospectus requirement rules provided under Decree No. 58 and the Regulation No. 11971 as amended, unless an exception from those rules applies. Failure to comply with such rules may result in the sale of such securities being declared null and void and in the liability of the entity transferring the securities for any damages suffered by the investors.

Japan

The securities have not been and will not be registered under Article 4, paragraph 1 of the Financial Instruments and Exchange Law of Japan (Law No. 25 of 1948), as amended (the "FIEL") pursuant to an exemption from the registration requirements applicable to a private placement of securities to Qualified Institutional Investors (as defined in and in accordance with Article 2, paragraph 3 of the FIEL and the regulations promulgated thereunder). Accordingly, the securities may not be offered or sold, directly or indirectly, in Japan or to, or for the benefit of, any resident of Japan other than Qualified Institutional Investors. Any Qualified Institutional Investor who acquires securities may not resell them to any person in Japan that is not a Qualified Institutional Investor, and acquisition by any such person of securities is conditional upon the execution of an agreement to that effect.

Portugal

This document is not being distributed in the context of a public offer of financial securities (oferta pública de valores mobiliários) in Portugal, within the meaning of Article 109 of the Portuguese Securities Code (Código dos Valores Mobiliários). The securities have not been offered or sold and will not be offered or sold, directly or indirectly, to the public in Portugal. This document and any other offering material relating to the securities have not been, and will not be, submitted to the Portuguese Securities Market Commission (Comissão do Mercado de Valores Mobiliários) for approval in Portugal and, accordingly, may not be distributed or caused to distributed, directly or indirectly, to the public in Portugal, other than under circumstances that are deemed not to qualify as a public offer under the Portuguese Securities Code. Such offers, sales and distributions of securities in Portugal are limited to persons who are "qualified investors" (as defined in the Portuguese Securities Code). Only such investors may receive this document and they may not distribute it or the information contained in it to any other person.

Sweden

This document has not been, and will not be, registered with or approved by Finansinspektionen (the Swedish Financial Supervisory Authority). Accordingly, this document may not be made available, nor may the securities be offered for sale in Sweden, other than under circumstances that are deemed not to require a prospectus under the Swedish Financial Instruments Trading Act (1991:980) (Sw. lag (1991:980) om handel med finansiella instrument). Any offering of securities in Sweden is limited to persons who are "qualified investors" (as defined in the Financial Instruments Trading Act). Only such investors may receive this document and they may not distribute it or the information contained in it to any other person.

Switzerland

The securities may not be publicly offered in Switzerland and will not be listed on the SIX Swiss Exchange ("SIX") or on any other stock exchange or regulated trading facility in Switzerland. This document has been prepared without regard to the disclosure standards for issuance prospectuses under art. 652a or art. 1156 of the Swiss Code of Obligations or the disclosure standards for listing prospectuses under art. 27 ff. of the SIX Listing Rules or the listing rules of any other stock exchange or regulated trading facility in Switzerland. Neither this document nor any other offering material relating to the securities may be publicly distributed or otherwise made publicly available in Switzerland.

Neither this document nor any other offering material relating to the securities have been or will be filed with or approved by any Swiss regulatory authority. In particular, this document will not be filed with, and the offer of securities will not be supervised by, the Swiss Financial Market Supervisory Authority (FINMA).

This document is personal to the recipient only and not for general circulation in Switzerland.

United Arab Emirates

Neither this document nor the securities have been approved, disapproved or passed on in any way by the Central Bank of the United Arab Emirates or any other governmental authority in the United Arab Emirates, nor has the Company received authorization or licensing from the Central Bank of the United Arab Emirates or any other governmental authority in the United Arab Emirates to market or sell the securities within the United Arab Emirates. This document does not constitute and may not be used for the purpose of an offer or invitation. No services relating to the securities, including the receipt of applications and/or the allotment or redemption of such shares, may be rendered within the United Arab Emirates by the Company.

No offer or invitation to subscribe for securities is valid or permitted in the Dubai International Financial Centre.

United Kingdom

Neither the information in this document nor any other document relating to the offer has been delivered for approval to the Financial Services Authority in the United Kingdom and no prospectus (within the meaning of section 85 of the Financial Services and Markets Act 2000, as amended ("FSMA")) has been published or is intended to be published in respect of the securities. This document is issued on a confidential basis to "qualified investors" (within the meaning of section 86(7) of FSMA) in the United Kingdom, and the securities may not be offered or sold in the United Kingdom by means of this document, any accompanying letter or any other document, except in circumstances which do not require the publication of a prospectus pursuant to section 86(1) FSMA. This document should not be distributed, published or reproduced, in whole or in part, nor may its contents be disclosed by recipients to any other person in the United Kingdom.

Any invitation or inducement to engage in investment activity (within the meaning of section 21 of FSMA) received in connection with the issue or sale of the securities has only been communicated or caused to be communicated and will only be communicated or caused to be communicated in the United Kingdom in circumstances in which section 21(1) of FSMA does not apply to the Company.

In the United Kingdom, this document is being distributed only to, and is directed at, persons (i) who have professional experience in matters relating to investments falling within Article 19(5) (investment professionals) of the Financial Services and Markets Act 2000 (Financial Promotions) Order 2005 ("FPO"), (ii) who fall within the categories of persons referred to in Article 49(2)(a) to (d) (high net worth companies, unincorporated associations, etc.) of the FPO or (iii) to whom it may otherwise be lawfully communicated (together "relevant persons"). The investments to which this document relates are available only to, and any invitation, offer or agreement to purchase will be engaged in only with, relevant persons. Any person who is not a relevant person should not act or rely on this document or any of its contents.

LEGAL MATTERS

The validity of the securities offered hereby has been passed upon for us by Lucosky Brookman LLP. Certain legal matters in connection with this offering have been passed upon for the underwriters by Sheppard, Mullin, Richter & Hampton LLP, New York, New York.

EXPERTS

Our consolidated balance sheets as of December 31, 2016 and 2015, and the related consolidated statements of operations, stockholders' deficit, and cash flows for each of the two years in the period ended December 31, 2016 have been audited by Salberg & Company, P.A., an independent registered public accounting firm, as set forth in its report appearing herein and are included in reliance upon such report given on the authority of such firm as experts in accounting and auditing.

WHERE YOU CAN FIND MORE INFORMATION

We are a reporting company and file annual, quarterly and special reports, and other information with the Securities and Exchange Commission. Copies of the reports and other information may be read and copied at the SEC's Public Reference Room at 100 F Street NE, Washington, D.C. 20549. You can request copies of such documents by writing to the SEC and paying a fee for the copying cost. You may obtain information on the operation of the Public Reference Room by calling the SEC at 1-800-SEC-0330. The SEC maintains a web site a t *http://*www.sec.gov that contains reports, proxy and information statements and other information regarding registrants that file electronically with the SEC.

This prospectus is part of a registration statement on Form S-1 that we filed with the SEC. Certain information in the registration statement has been omitted from this prospectus in accordance with the rules and regulations of the SEC. We have also filed exhibits and schedules with the registration statement that are excluded from this prospectus. For further information you may:

- read a copy of the registration statement, including the exhibits and schedules, without charge at the SEC's Public Reference Room; or
- obtain a copy from the SEC upon payment of the fees prescribed by the SEC.

DUOS TECHNOLOGIES GROUP, INC.
INDEX TO FINANCIAL STATEMENTS

Report of Independent Registered Public Accounting Firm	F-2
Consolidated Balance Sheets as of December 31, 2016 and 2015	F-3
Consolidated Statements of Operations for the Years Ended December 31, 2016 and 2015	F-5
Consolidated Statements of Changes in Stockholders' Deficit for the Years Ended December 31, 2016 and 2015	F-6
Consolidated Statements of Cash Flows for the Years Ended December 31, 2016 and 2015	F-7
Notes to Consolidated Financial Statements	F-9
Consolidated Balance Sheets as of March 31, 2017 and 2016	F-38
Consolidated Statements of Operations for the Three Months Ended March 31, 2017 and 2016	F-39
Consolidated Statements of Cash Flows for the Period Ended March 31, 2017 and 2016	F-40
Notes to Consolidated Financial Statements	F-41

SALBERG & COMPANY, P.A.
Certified Public Accountants and Consultants

Report of Independent Registered Public Accounting Firm

To the Board of Directors and Stockholders of:
Duos Technologies Group, Inc.

We have audited the accompanying consolidated balance sheets of Duos Technologies Group, Inc. and Subsidiaries as of December 31, 2016 and 2015 and the related consolidated statements of operations, changes in stockholders' deficit, and cash flows for each of the two years in the period ended December 31, 2016. These consolidated financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on these consolidated financial statements based on our audits.

We conducted our audits in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audits to obtain reasonable assurance about whether the consolidated financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the consolidated financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall consolidated financial statement presentation. We believe that our audits provide a reasonable basis for our opinion.

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the consolidated financial position of Duos Technologies Group, Inc. and Subsidiaries as of December 31, 2016 and 2015 and the consolidated results of its operations and its cash flows for each of the two years in the period ended December 31, 2016 in conformity with accounting principles generally accepted in the United States of America.

The accompanying consolidated financial statements have been prepared assuming the Company will continue as a going concern. As discussed in Note 2 to the consolidated financial statements, the Company reported a net loss of $2,561,613 and cash used in operating activities of $1,840,290 in 2016. At December 31, 2016, the Company had a working capital deficit, stockholders' deficit and accumulated deficit of $4,132,660, $5,523,188 and $23,518,709, respectively. These matters raise substantial doubt about the Company's ability to continue as a going concern. Management's plans as to these matters are also described in Note 2. The consolidated financial statements do not include any adjustments that might result from the outcome of this uncertainty.

/s/ Salberg & Company, P.A.

SALBERG & COMPANY, P.A.
Boca Raton, Florida
March 30, 2017, except for Note 18, "Reverse Stock Split" and "Amendment to $2,500,000 Promissory Note", as to which the date is June 15, 2017

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DUOS TECHNOLOGIES GROUP, INC. AND SUBSIDIARIES
CONSOLIDATED BALANCE SHEETS

	December 31,	
	2016	**2015**
ASSETS		
CURRENT ASSETS:		
Cash	$ 174,376	$ 140,129
Accounts receivable	256,989	452,235
Costs and estimated earnings in excess of billings on uncompleted contracts	476,673	421,116
Prepaid expenses and other current assets	135,964	165,095
Total Current Assets	1,044,002	1,178,575
Property and equipment, net	66,491	72,544
OTHER ASSETS:		
Patents and trademarks, net	51,423	57,006
Total Other Assets	51,423	57,006
TOTAL ASSETS	$ 1,161,916	$ 1,308,125

See accompanying notes to the consolidated financial statements.

DUOS TECHNOLOGIES GROUP, INC. AND SUBSIDIARIES
CONSOLIDATED BALANCE SHEETS (Continued)

	December 31, 2016	December 31, 2015
LIABILITIES AND STOCKHOLDERS' DEFICIT		
CURRENT LIABILITIES:		
Accounts payable	$ 842,787	$ 1,014,711
Accounts payable - related parties	40,136	30,070
Commercial insurance/office equipment financing	46,368	44,024
Notes payable - related parties	577,716	486,964
Notes payable	87,210	196,608
Convertible notes payable, including premiums	193,950	193,950
Warrant derivative liability	793,099	—
Line of credit	38,019	40,216
Payroll taxes payable	444,476	296,215
Accrued expenses	1,218,105	1,002,820
Billings in excess of costs and estimated earnings on uncompleted contracts	219,625	303,064
Deferred revenue	675,171	908,206
Contingent lawsuit payable	—	550,000
Total Current Liabilities	5,176,662	5,066,848
Notes payable, net of discounts	1,206,522	—
Total Liabilities	6,383,184	5,066,848
Series A redeemable convertible cumulative preferred stock, $10 stated value per share, 500,000 shares designated, 29,600 shares issued and outstanding at December 31, 2016 ($301,920 liquidation value)	301,920	—
Commitments and Contingencies (Note 10)		
STOCKHOLDERS' DEFICIT:		
Preferred stock, $0.001 par value, 10,000,000 authorized, 9,500,000 available to be designated	—	—
Common stock: $0.001 par value; 500,000,000 shares authorized 1,892,020 and 1,850,789 shares issued and outstanding at December 31, 2016 and December 31, 2015, respectively	1,892	1,851
Additional paid-in capital	18,141,629	17,190,602
Total paid-in-capital	18,143,521	17,192,453
Accumulated deficit	(23,518,709)	(20,951,176)
Sub-total	(5,375,188)	(3,758,723)
Less: Treasury stock (3,280 shares of common stock)	(148,000)	—
Total Stockholders' Deficit	(5,523,188)	(3,758,723)
Total Liabilities and Stockholders' Deficit	$ 1,161,916	$ 1,308,125

See accompanying notes to the consolidated financial statements.

DUOS TECHNOLOGIES GROUP, INC. AND SUBSIDIARIES
CONSOLIDATED STATEMENTS OF OPERATIONS

	For the Years Ended December 31,	
	2016	**2015**
REVENUES:		
Project	$ 3,200,182	$ 3,758,653
Maintenance and technical support	2,230,633	2,481,183
IT asset management services	674,078	527,927
Total Revenues	6,104,893	6,767,763
COST OF REVENUES:		
Project	1,580,665	2,051,969
Maintenance and technical support	785,872	958,995
IT asset management services	365,914	185,212
Total Cost of Revenues	2,732,451	3,196,176
GROSS PROFIT	3,372,442	3,571,587
OPERATING EXPENSES:		
Selling and marketing expenses	278,264	254,083
Salaries, wages and contract labor	3,370,191	2,586,735
Research and development	271,950	216,806
Professional fees	306,458	256,111
General and administrative expenses	889,685	906,344
Impairment loss on intangible assets and goodwill acquired	—	1,578,816
Total Operating Expenses	5,116,548	5,798,895
LOSS FROM OPERATIONS	(1,744,106)	(2,227,308)
OTHER INCOME (EXPENSES):		
Interest Expense	(561,174)	(744,343)
Loss on settlement of debt	—	(216,271)
Warrant derivative gain (loss)	(264,099)	—
Other income, net	7,766	861,973
Total Other Income (Expense)	(817,507)	(98,641)
NET LOSS	(2,561,613)	(2,325,950)
Series A preferred stock dividends	(5,920)	—
Net loss applicable to common stock	$ (2,567,533)	$ (2,325,950)
NET LOSS APPLICABLE TO COMMON STOCK PER COMMON SHARE:		
Basic & Diluted	$ (1.36)	$ (1.33)
WEIGHTED AVERAGE COMMON SHARES OUTSTANDING:		
Basic & Diluted	1,883,598	1,750,028

See accompanying notes to the consolidated financial statements.

DUOS TECHNOLOGIES GROUP, INC.
STATEMENTS OF CHANGES IN STOCKHOLDERS' DEFICIT
For the Years Ended December 31, 2016 and 2015

	Common Stock		Additional	Accumulated		
	# of Shares	Amount	Paid-in-Capital	Deficit	Treasury Stock	Total
Balance December 31, 2014	1,649,663	$ 1,650	$ 13,573,247	$ (18,625,226)	$ —	$ (5,050,329)
Common stock issued upon conversion of convertible debt	109,102	109	2,257,962	—	—	2,258,071
Common stock issued for settlement of accounts payable	1,429	1	16,799	—	—	16,800
Common stock deemed issuance to ISA shareholders related to reverse merger (see Note 14)	35,625	36	393,892	—	—	393,928
Common stock issued for services	6,779	7	136,603	—	—	136,610
Officer salary settled for common stock	4,034	4	56,478	—	—	56,482
Exchange of warrants for common stock	981	1	3,081	—	—	3,082
Warrants issued with convertible debt	—	—	30,722	—	—	30,722
Promissory notes settled by issuance of common stock	43,176	43	610,759	—	—	610,802
Reclassification of convertible note premiums upon conversion of debt	—	—	111,058	—	—	111,058
Net Loss for the year ended December 31, 2015	—	—	—	(2,325,950)		(2,325,950)
Balance December 31, 2015	1,850,789	$ 1,851	$ 17,190,602	$ (20,951,176)	$ —	$ (3,758,723)
Common stock issued for services	41,171	41	351,059	—	—	351,100
Exchange of warrants for common stock	60	—	630	—	—	630
Warrants issued for services	—	—	90,036	—	—	90,036
Warrants issued with debt	—	—	509,303	—	—	509,303
Common stock repurchased	—	—	—	—	(148,000)	(148,000)
Series A preferred stock dividends	—	—	—	(5,920)	—	(5,920)
Net Loss for the year ended December 31, 2016	—	—	—	(2,561,613)	—	(2,561,613)
Balance December 31, 2016	1,892,020	$ 1,892	$ 18,141,629	$ (23,518,709)	$ (148,000)	$ (5,523,188)

See accompanying notes to the consolidated financial statements.

DUOS TECHNOLOGIES GROUP, INC. AND SUBSIDIARIES
CONSOLIDATED STATEMENTS OF CASH FLOWS

	For the Years Ended December 31,	
	2016	**2015**
Cash from operating activities:		
Net loss	$ (2,561,613)	$ (2,325,950)
Adjustments to reconcile net loss to net cash used in operating activities:		
Depreciation and amortization	47,051	44,411
Gain on settlement of accounts payable/note conversion	—	(27,194)
Stock and warrants issued for services	90,036	58,775
Amortization of debt discounts	243,427	—
Loss on settlement of debt	—	243,465
Amortization of stock based prepaid consulting fees	351,100	41,126
Loss related to warrants exchanged for stock	630	3,082
Impairment loss	—	1,578,816
Warrant derivative loss	264,099	—
Changes in assets and liabilities:		
Accounts receivable	195,246	(134,301)
Costs and estimated earnings on uncompleted contracts	(55,557)	(202,807)
Prepaid expenses and other current assets	252,282	(35,526)
Accounts payable	(221,379)	(657,920)
Accounts payable-related party	10,066	(23,052)
Payroll taxes payable	148,261	(303,966)
Accrued expenses	262,535	294,117
Contingent lawsuit liability	(550,000)	(861,650)
Billings in excess of costs and earnings on uncompleted contracts	(83,439)	149,281
Deferred revenue	(233,035)	42,812
Net cash used in operating activities	(1,840,290)	(2,116,481)
Cash flows from investing activities:		
Cash acquired in acquisition	—	1,346
Purchase of patents/trademarks	(70)	(10,420)
Purchase of fixed assets	(35,345)	(66,162)
Net cash used in investing activities	(35,415)	(75,236)
Cash flows from financing activities:		
Proceeds from issuance of series A preferred stock	296,000	—
Proceeds from borrowings under convertible notes and other debt	—	1,730,772
Proceeds from bank line of credit	—	40,216
Repurchase common stock	(148,000)	—
Proceeds from related party notes	221,570	464,464
Repayments of related party notes	(130,818)	—
Proceeds (repayments) of insurance and equipment financing	(220,800)	10,959
Repayments of notes payable	(155,000)	—
Proceeds of notes payable, net of $358,263 cash fees	2,047,000	—
Net cash provided by financing activities	1,909,952	2,246,411
Net decrease in cash	34,247	54,694
Cash, beginning of period	140,129	85,435
Cash, end of period	174,376	140,129

See accompanying notes to the consolidated financial statements.

DUOS TECHNOLOGIES GROUP, INC. AND SUBSIDIARIES
CONSOLIDATED STATEMENTS OF CASH FLOWS (Continued)

	For the Years Ended December 31,	
	2016	2015
Supplemental Disclosure of Cash Flow Information:		
Interest paid	$ 245,134	$ 59,398
Taxes paid	$ 10,149	$ 3,136
Supplemental Non-Cash Investing and Financing Activities:		
Common stock issued upon conversion of convertible debt	$ —	$ 2,258,071
Common stock issued for prepaid consulting services	$ 351,100	$ —
Common stock issued to settle notes payable and accrued interest	$ —	$ 610,802
Common stock issued to settle accounts payable	$ —	$ 16,800
Common stock issued for accrued salary	$ —	$ 56,482
Reclassification of put premium liability on convertible notes to paid-in capital	$ —	$ 111,058
Increase in debt discount and paid-in capital for warrants issued with debt	$ 791,303	$ 30,722
Note issued for financing of insurance premiums	$ 223,154	$ —
Accrued dividends	$ 5,920	$ —
Liabilities assumed in share exchange	$ —	$ 1,186,234
Less: assets acquired in share exchange	—	(1,347)
Net liabilities assumed	—	1,184,887
Fair value of shares exchanged	—	393,929
Increase intangible assets	$ —	$ 1,578,816

See accompanying notes to the consolidated financial statements.

NOTE 1 – NATURE OF OPERATIONS AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Nature of Operations

Duos Technologies Group, Inc. ("Company"), through its operating subsidiary "Duos Technologies, Inc. ("duostech") is primarily engaged in the design and deployment of state-of-the-art, artificial intelligence driven intelligent technologies systems. duostech converges traditional security measures with information technologies to create "actionable intelligence." duostech's IP is built upon two of its core technology platforms (praesidium® and centraco®),both distributed as licensed software suites, and natively embedded within engineered turnkey systems. praesidium® is a modular suite of analytics applications which process and simultaneously analyze data streams from a virtually unlimited number of conventional sensors and/or data points. Native algorithms compare analyzed data against user-defined criteria and rules in real time and automatically report any exceptions, deviations and/or anomalies. This application suite also includes a broad range of conventional operational system components and sub-systems, including an embedded feature-rich video management engine and a proprietary Alarm Management Service (AMS). This unique service provides continuous monitoring of all connected devices, processes, equipment and sub-systems, and automatically communicates to the front end-user interface, if and when an issue, event or performance anomalies are detected. centraco® is a comprehensive user interface that includes the functionalities of a Physical Security Information Management (PSIM) system as well as those of an Enterprise Information System (EIS). This multi-layered interface can be securely installed as a stand-alone application suite inside a local area network or pushed outside a wide area network using the same browser-based interface. It leverages industry standards for data security, access, and encryption as appropriate. The platform also operates as a cloud-hosted solution.

The Company's strategy includes expansion of its technology base through organic development efforts, strategic partnerships, and growth through strategic acquisitions. duostech's primary target industry sectors include transportation, with emphasis on freight and transit railroad owners/operators, petro-chemical, utilities and healthcare.

As reported previously, Duos Technologies Group, Inc. is the result of the reverse merger between duostech and a wholly owned subsidiary of Information Systems Associates, Inc., a Florida corporation ("ISA"), which became effective as of April 1, 2015 and as a result of which duostech became a wholly owned subsidiary of the merged entity. The merger was followed by a corporate name change to Duos Technologies Group, Inc., a symbol change from IOSA to DUOT and up-listing from OTC Pink to OTCQB.

ISA's original business of IT Asset Management (ITAM) services for large data centers is now operated as a division of the Company that continues its sales efforts through large strategic partners. ISA developed a methodology for the efficient data collection of assets contained within large data centers and was awarded a patent in 2010 for specific methods to collect and audit data.

Principles of Consolidation

The consolidated financial statements include the accounts of the Company and its wholly-owned subsidiaries, duostech and TrueVue 360, Inc. All inter-company transactions and balances are eliminated in consolidation.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosures of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results may differ from these estimates. The most significant estimates in the accompanying consolidated financial statements include the allowance on accounts receivable, valuation of deferred tax assets, valuation of assets acquired and liabilities assumed in business combinations, valuation of intangible and other long-lived assets, estimates of percentage completion on projects and related revenues, valuation of stock-based compensation, valuation of derivatives, valuation of warrants issued with debt, valuation of beneficial conversion features in convertible debt, valuation of stock-based awards and valuation of loss contingencies. We base our estimates on historical experience and on various other assumptions that we believe are reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results may differ from these estimates.

Cash and Cash Equivalents

For the purposes of the Statement of Cash Flows, the Company considers liquid investments with an original maturity of three months or less to be a cash equivalent. There were no cash equivalents at December 31, 2016 or 2015.

Concentrations

Cash Concentrations

Cash is maintained at financial institutions and at times, balances may exceed federally insured limits. We have not experienced any losses related to these balances. There were no amounts on deposit in excess of federally insured limits at December 31, 2016 and 2015.

Significant Customers and Concentration of Credit Risk

Major Customers and Accounts Receivable

The Company had certain customers whose revenue individually represented 10% or more of the Company's total revenue, or whose accounts receivable balances individually represented 10% or more of the Company's total accounts receivable, as follows:

For the year ended December 31, 2016, four customers accounted for 21%, 19%, 16% and 11% of revenues. For the year ended December 31, 2015, four customers accounted for 22%, 21%, 20% and 14% of revenues.

At December 31, 2016, three customers accounted for 50%, 26% and 14% of accounts receivable. At December 31, 2015, three customers accounted for 33%, 27% and 24% of accounts receivable.

Geographic Concentration

Approximately 20.89% and 1.73% of revenue in 2016 and 2015, respectively, is generated from customers outside of the United States.

Derivative Instruments

ASC Topic 815, *Derivatives and Hedging* ("ASC Topic 815"), establishes accounting and reporting standards for derivative instruments and for hedging activities by requiring that all derivatives be recognized in the balance sheet and measured at fair value. Gains or losses resulting from changes in the fair value of derivatives are recognized in earnings or recorded in other comprehensive income (loss) depending on the purpose of the derivatives and whether they qualify and have been designated for hedge accounting treatment. The Company uses a Monte Carlo based simulation model to compute the fair value of its embedded derivative instruments. Some of the more significant inputs to our fair value model that, if changed, might produce a significantly higher or lower fair value measurement of the Company's derivative liabilities include the expected volatility, expected term and the stock price on the valuation date.

Fair Value of Financial Instruments and Fair Value Measurements

We measure our financial assets and liabilities in accordance with generally accepted accounting principles. For certain of our financial instruments, including cash and cash equivalents, accounts receivable, accounts payable and accrued liabilities, the carrying amounts approximate fair value due to their short maturities. Amounts recorded for notes payable, net of discount, and loans payable also approximate fair value because current interest rates available to us for debt with similar terms and maturities are substantially the same.

We follow accounting guidance for financial assets and liabilities. This standard defines fair value, provides guidance for measuring fair value and requires certain disclosures. This standard does not require any new fair value measurements, but rather applies to all other accounting pronouncements that require or permit fair value measurements. This guidance does not apply to measurements related to share-based payments. This guidance discusses valuation techniques, such as the market approach (comparable market prices), the income approach (present value of future income or cash flow), and the cost approach (cost to replace the service capacity of an asset or replacement cost).

The guidance utilizes a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value into three broad levels. The following is a brief description of those three levels:

Level 1: Observable inputs such as quoted prices (unadjusted) in active markets for identical assets or liabilities.

Level 2: Inputs, other than quoted prices that are observable, either directly or indirectly. These include quoted prices for similar assets or liabilities in active markets and quoted prices for identical or similar assets or liabilities in markets that are not active.

Level 3: Unobservable inputs in which little or no market data exists, therefore developed using estimates and assumptions developed by us, which reflect those that a market participant would use.

Accounts Receivable

Accounts receivable are stated at estimated net realizable value. Accounts receivable are comprised of balances due from customers net of estimated allowances for uncollectible accounts. In determining the collections on the account, historical trends are evaluated and specific customer issues are reviewed to arrive at appropriate allowances. The Company reviews its accounts to estimate losses resulting from the inability of its customers to make required payments. Any required allowance is based on specific analysis of past due accounts and also considers historical trends of write-offs. Past due status is based on how recently payments have been received from customers.

Property and Equipment

Property and equipment is stated at cost, less accumulated depreciation. Depreciation is provided by the straight-line method over the estimated economic life of the property and equipment (three to five years). When assets are sold or retired, their costs and accumulated depreciation are eliminated from the accounts and any gain or loss resulting from their disposal is included in the statement of operations. Leasehold improvements are expensed over the shorter of the term of our lease or their useful lives.

Software Development Costs

The Company accounts for costs incurred to develop or purchase computer software for internal use in accordance with FASB ASC 350-40 “Internal-Use Software” or ASC 350-50 "Website Costs". Costs incurred during the preliminary project stage along with post-implementation stages of internal use computer software are expensed as incurred. Costs incurred to maintain existing product offerings are expensed as incurred.

Patents and Trademarks

Patents and trademarks which are stated at amortized cost, relate to the development of video surveillance security system technology and are being amortized over 17 years.

Long-Lived Assets

The Company evaluates the recoverability of its property, equipment, and other long-lived assets in accordance with FASB ASC 360-10-35-15 "Impairment or Disposal of Long-Lived Assets", which requires recognition of impairment of long-lived assets in the event the net book value of such assets exceed the estimated future undiscounted cash flows attributable to such assets or the business to which such intangible assets relate. This guidance requires that long-lived assets and certain identifiable intangibles be reviewed for impairment whenever events or changes in circumstances indicate that the carrying amount of an asset may not be recoverable. Recoverability of assets to be held and used is measured by a comparison of the carrying amount of an asset to future undiscounted net cash flows expected to be generated by the asset. If such assets are considered to be impaired, the impairment to be recognized is measured by the amount by which the carrying amount of the assets exceeds the fair value of the assets. Assets to be disposed of are reported at the lower of the carrying amount or fair value less costs to sell.

Accrual of Legal Costs Associated with Loss Contingencies

The Company expenses legal costs associated with loss contingencies, as incurred.

Product Warranties

The Company has a 90-day warranty period for materials and labor after final acceptance of all projects. If any parts are defective they are replaced under our vendor warranty which is usually 12-36 months. Final acceptance terms vary by customer. Some customers have a cure period for any material deviation and if the Company fails or is unable to correct any deviations, a full refund of all payments made by the customer will be arranged by the Company. As of December 31, 2016 and 2015, management considers all final acceptance terms have been met; therefore no accrual of warranty reserves has been made.

Loan Costs

Loan costs paid to lenders or third-parties are recorded as debt discounts to the related loans and amortized to interest expense over the loan term.

Sales Returns Liabilities

Our systems are sold as integrated systems and there are no sales returns allowed.

Revenue Recognition

Project Revenue

The Company constructs intelligent technology systems consisting of materials and labor under customer contracts. Revenues and related costs on project revenue are recognized using the "percentage of completion method" of accounting in accordance with ASC 605-35, "Construction-Type and Production-Type Contracts". Under this method, contract revenues are recognized over the performance period of the contract in direct proportion to the costs incurred as a percentage of total estimated costs for the entirety of the contract. Costs include direct material, direct labor, subcontract labor and other allocable indirect costs. All un-allocable indirect costs and corporate general and administrative costs are also charged to the periods as incurred. Any recognized revenues that have not been billed to a customer are recorded as an asset in "costs and estimated earnings in excess of billings on uncompleted contracts". Any billings of customers in excess of recognized revenues are recorded as a liability in "billings in excess of costs and estimated earnings on uncompleted contracts". However, in the event a loss on a contract is foreseen, the Company will recognize the loss when such loss is determined.

A contract is considered complete when all costs except insignificant items have been incurred and the installation is operating according to specifications or has been accepted by the customer.

The Company has contracts in various stages of completion. Such contracts require estimates to determine the appropriate cost and revenue recognition. Costs estimates are reviewed periodically on a contract-by-contract basis throughout the life of the contract such that adjustments to the profit resulting from revisions are made cumulative to the date of the revision. Significant management judgments and estimates, including the estimated costs to complete projects, must be made and used in connection with the revenue recognized in the accounting period. Current estimates may be revised as additional information becomes available.

Maintenance and Technical Support

Maintenance and technical support services are provided on both an as-needed and extended-term basis and may include providing both parts and labor. Maintenance and technical support provided outside of a maintenance contract are on an as-requested basis, and revenue is recognized as the services are provided. Revenue for maintenance and technical support provided on an extended-term basis is recognized ratably over the term of the contract.

For sales arrangements that do not involve multiple elements such as professional services, which are of short-term duration, revenues are recognized when services are completed.

IT Asset Management Services

The Company recognizes revenue from its IT asset management business in accordance with the Securities and Exchange Commission (the "SEC") Staff Accounting Bulletin No. 104, "Revenue Recognition" and Financial Accounting Standards Board (FASB) Accounting Standards Codification (ASC) 985-605-25 which addresses Revenue Recognition for the software industry. The general criteria for revenue recognition under ASC 985-605 for our Company, which sells software licenses, which do not require any significant modification or customization, is that revenue is recognized when persuasive evidence of an arrangement exists, delivery has occurred, the fee is fixed or determinable and collectability is probable.

The Company's IT asset management business generates revenues from three sources: (1) Professional Services (consulting and auditing); (2) Software licensing with optional hardware sales and (3) Customer Service (training and maintenance support).

For sales arrangements that do not involve multiple elements:

(1) Revenues for professional services, which are of short-term duration, are recognized when services are completed;

(2) For all periods reflected in this report, software license sales have been one time sales of a perpetual license to use our software product and the customer also has the option to purchase third party manufactured handheld devices from us if they purchase our software license. Accordingly, the revenue is recognized upon delivery of the software and delivery of the hardware, as applicable, to the customer;

(3) Training sales are one-time upfront short term training sessions and are recognized after the service has been performed; and

(4) Maintenance/support is an optional product sold to our software license customers under one year contracts. Accordingly, maintenance payments received upfront are deferred and recognized over the contract term.

Multiple Elements

Arrangements with customers may involve multiple elements including project revenue and maintenance services in our Intelligent Technology Systems business. Maintenance will occur after the project is completed and may be provided on an extended-term basis or on an as-needed basis. In our IT Asset Management business, multiple elements may include any of the above four sources. Training and maintenance on software products may occur after the software product sale while other services may occur before or after the software product sale and may not relate to the software product. Revenue recognition for multiple element arrangement is as follows:

Each element is accounted for separately when each element has value to the customer on a standalone basis and there is Company specific objective evidence of selling price of each deliverable. For revenue arrangements with multiple deliverables, the Company allocates the total customer arrangement to the separate units of accounting based on their relative selling prices as determined by the price of the items when sold separately. Once the selling price is allocated, the revenue for each element is recognized using the applicable criteria under GAAP as discussed above for elements sold in non-multiple element arrangements. A delivered item or items that do not qualify as a separate unit of accounting within the arrangement are combined with the other applicable undelivered items within the arrangement. The allocation of arrangement consideration and the recognition of revenue is then determined for those combined deliverables as a single unit of accounting. The Company sells its various services and software and hardware products at established prices on a standalone basis which provides Company specific objective evidence of selling price for purposes of multiple element relative selling price allocation. The Company only sells maintenance services or spare parts based on its established rates after it has completed a system integration project for a customer. The customer is not required to purchase maintenance services. All elements in multiple element arrangements with Company customers qualify as separate units of account for revenue recognition purposes.

Deferred Revenue

Deferred revenues represent billings or cash received in excess of revenue recognizable on service agreements that are not accounted for under the percentage of completion method.

Advertising

The Company expenses the cost of advertising. During the years ended December 31, 2016 and 2015, there were no advertising costs.

Share-Based Compensation

Stock-based compensation is accounted for in accordance with the Share-Based Payment Topic of ASC 718 which requires recognition in the financial statements of the cost of employee and director services received in exchange for an award of equity instruments over the shorter of the period the employee or director is required to perform the services in exchange for the award or the vesting period. The ASC also requires measurement of the cost of employee and director services received in exchange for an award based on the grant-date fair value of the award.

Pursuant to ASC Topic 505-50, for share-based payments to consultants and other third-parties, compensation expense is determined at the "measurement date". The expense is recognized over the service period of the award. Until the measurement date is reached, the total amount of compensation expense remains uncertain. The Company initially records compensation expense based on the fair value of the award at the reporting date.

Income Taxes

The Company accounts for income taxes in accordance with the Financial Accounting Standards Board FASB Accounting Standards Codification ("ASC") 740, Income Taxes, which requires the recognition of deferred income taxes for differences between the basis of assets and liabilities for financial statement and income tax purposes. The deferred tax assets and liabilities represent the future tax return consequences of those differences, which will either be taxable or deductible when the assets and liabilities are recovered or settled. Valuation allowances are established when necessary to reduce deferred tax assets to the amount expected to be realized.

The Company evaluates all significant tax positions as required by ASC 740. As of December 31, 2016, the Company does not believe that it has taken any positions that would require the recording of any additional tax liability nor does it believe that there are any unrealized tax benefits that would either increase or decrease within the next year.

Any penalties and interest assessed by income taxing authorities are included in operating expenses.

The federal and state income tax returns of the Company are subject to examination by the IRS and state taxing authorities, generally for three years after they were filed. Tax years 2013, 2014 and 2015 remain open for potential audit.

Earnings (Loss) Per Share

Basic earnings per share (EPS) are computed by dividing net loss applicable to common stock by the weighted average number of common shares outstanding. Diluted net loss per common share is computed by dividing the net loss applicable to common stock by the weighted average number of common shares outstanding for the period and, if dilutive, potential common shares outstanding during the period. Potential common shares consist of the incremental common shares issuable upon the exercise of stock options, stock warrants, convertible debt instruments, convertible preferred stock or other common stock equivalents. Potentially dilutive securities are excluded from the computation if their effect is anti-dilutive. At December 31, 2016 and 2015, outstanding warrants to purchase an aggregate of 710,238 and 17,410, respectively, shares of common stock and 122,707 and 20,973, respectively, shares of common stock issuable upon conversion of convertible debt and at December 31, 2016, 47,924 shares issuable upon conversion of Series A preferred stock were excluded from the computation of dilutive earnings per share because the inclusion would have been anti-dilutive.

Segment Information

The Company operates in one reportable segment.

Reclassifications

Certain amounts in the 2015 balance sheet have been reclassified from accounts payable to accrued expenses to conform to the 2016 presentation. This reclassification increased accrued expenses in 2015 by $47,250 and decreased accounts payable by the same amount.

Recent Issued Accounting Standards

In August 2015, the Financial Accounting Standards Board (FASB) issued Accounting Standards Update (ASU) 2015-14 Revenue from Contracts with Customers. The ASU defers the effective date of previously issued ASU 2014-09 (the new revenue recognition standard) by one year for both public and private companies. The ASU requires public entities to apply the new revenue recognition guidance for annual reporting periods beginning after December 15, 2017, and interim reporting periods within annual reporting periods beginning after December 15, 2017. Both public and nonpublic entities will be permitted to apply the new revenue recognition standard as of the original effective date for public entities (annual periods beginning after December 15, 2016). The Company plans to adopt this standard for their fiscal year beginning January 1, 2018. The Company is in the process of analyzing the impacts of this ASU, but does not believe it will have a material impact on its consolidated financial statements.

In February 2016, the Financial Accounting Standards Board issued Accounting Standards Update No. 2016-02: “Leases (Topic 842)” whereby lessees will need to recognize almost all leases on their balance sheet as a right of use asset and a lease liability. This guidance is effective for interim and annual reporting periods beginning after December 15, 2018. The Company does not expect this ASU to have a material impact on its consolidated financial statements.

In March 2016, the FASB issued Accounting Standards Update No. 2016-09: *"Compensation – Stock Compensation (Topic 718)-I*mprovements to Employee Share-Based Payment Accounting" which includes multiple provisions intended to simplify various aspects of the accounting for share-based payments. This guidance is effective for interim and annual reporting periods beginning after December 15, 2016. The Company is in the process of analyzing the impacts of this ASU, but does not believe it will have a material impact on its consolidated financial statements.

NOTE 2 – GOING CONCERN

As reflected in the accompanying consolidated financial statements, the Company had a net loss of $2,561,613 in 2016. During the same period, cash used in operating activities was $1,840,290. The working capital deficit, stockholders’ deficit and accumulated deficit as of December 31, 2016 were $4,132,660, $5,523,188 and $23,518,709. These matters raise substantial doubt about the Company’s ability to continue as a going concern.

The ability of the Company to continue as a going concern is dependent on the Company's ability to further implement its business plan, raise additional capital and become profitable. Management embarked on a business growth strategy in 2014 to engage with private companies in or related to its market space with the intention of a merger or acquisition. In April 2015, the Company completed a reverse triangular merger whereby duostech became a wholly owned subsidiary of the Company. The two companies are now integrated and the merged company continues to grow its business in all of the markets where they have previously operated.

On December 20, 2016, the Company signed a Securities Purchase Agreement and Promissory Note in the aggregate principal amount of up to $2,500,000 of which $575,000 was remitted by the investor upon signing. The Company can draw further amounts upon achieving certain milestones related to a planned registered raise of at least $10M. Concurrently, the Company signed an investment banking engagement for the purposes of raising sufficient capital, expected to be $10M, to fund the Company's working capital deficit and provide sufficient funding to further the Company's growth objectives. (See Note 18).

While no assurance can be provided, management believes that these actions provide the opportunity for the Company to continue as a going concern and to grow its business and achieve profitability. Ultimately however, the continuation of the Company as a going concern is dependent upon the ability of the Company to execute the plan described above, generate sufficient revenue and to attain profitable operations. These consolidated financial statements do not include any adjustments related to the recoverability and classification of recorded asset amounts and classification of liabilities that might be necessary should the Company be unable to continue as a going concern.

NOTE 3 – ACCOUNTS RECEIVABLE

Accounts receivable were as follows at December 31, 2016 and 2015:

	2016	2015
Accounts Receivable	$ 256,989	$ 452,235
Allowance for doubtful accounts	—	—
	$ 256,989	$ 452,235

There was bad debt expense related to accounts receivable of $70,248 and $0 in 2016 and 2015, respectively.

NOTE 4 – PROPERTY AND EQUIPMENT

The major classes of property and equipment are as follow at December 31, 2016 and 2015:

	2016	2015
Furniture, fixtures and equipment	$ 1,136,003	$ 1,100,658
Less: Accumulated depreciation	(1,069,512)	(1,028,114)
	$ 66,491	$ 72,544

Total depreciation in 2016 and 2015 was $41,398 and $38,501, respectively.

NOTE 5 – PATENTS AND TRADEMARKS

	2016	2015
Patents and trademarks	$ 267,205	$ 267,135
Less: Accumulated amortization	(215,782)	(210,129)
	$ 51,423	$ 57,006

Total amortization of patents in 2016 and 2015 was $5,653 and $5,910 respectively.

NOTE 6 – DEBT

Notes Payable - Financing Agreements

The Company's notes payable relating to financing agreements classified as current liabilities consist of the following as of December 31, 2016 and 2015:

	December 31, 2016		December 31, 2015	
Notes Payable	Principal	Interest	Principal	Interest
Third Party - Insurance Note 1	$ 25,075	9.75%	$ 21,325	9.75%
Third Party - Insurance Note 2	9,861	10.00%	11,277	9.75%
Third Party - Insurance Note 3	—	8.05%	—	8.66%
Third Party - Insurance Note 4	11,432	9.24%	11,422	8.99%
Total	$ 46,368		$ 44,024	

The Company entered into an agreement on December 23, 2015 with its insurance provider by executing an $21,325 note payable (Insurance Note 1) issued to purchase an insurance policy, secured by that policy with an annual interest rate of 9.75% payable in monthly installments of principal and interest totaling $2,229 through October 23, 2016. The policy was renewed December 23, 2016 with a $25,075 note payable.

The Company entered into an agreement on September 15, 2015 with its insurance provider by executing a $18,823 note payable (Insurance Note 2) issued to purchase an insurance policy, secured by that policy with an annual interest rate of 9.75% payable in monthly installments of principal and interest totaling $1,678 through July 15, 2016. The policy was renewed September 15, 2016 with an $19,065 note payable and annual interest rate of 10% payable in monthly installments of principal and interest totaling $1,702 through June 30, 2017. At December 31, 2016 and 2015, the note payable balance was $9,861 and $11,277, respectively.

The Company entered into an agreement on February 3, 2016 with its insurance provider by executing an $123,571 note payable (Insurance Note 3) issued to purchase an insurance policy, secured by that policy with an annual interest rate of 8.05% payable in monthly installments of principal and interest totaling $12,818 through December 3, 2017. A similar note was entered into on February 3, 2015. At December 31, 2016 and 2015, the note payable balance was zero.

The Company entered into an agreement on April 1, 2016 with its insurance provider by executing a $65,000 note payable (Insurance Note 4) issued to purchase an insurance policy, secured by that policy with an annual interest rate of 9.24% payable in monthly installments of principal and interest totaling $5,782 through February 1, 2017. A similar note was issued on April 1, 2015 and paid off by March 31, 2016. At December 31, 2016 and 2015, the note payable balance was $11,432 and $11,422, respectively.

Notes Payable - Related Parties

The Company's notes payable to related parties classified as current liabilities consist of the following as of December 31, 2016 and 2015:

	December 31, 2016		December 31, 2015	
Notes Payable	Principal	Interest	Principal	Interest
Shareholder	$ 65,000	9%	$ 65,000	9%
Related party	13,369	8%	17,651	8%
Related party	10,504	—	33,615	—
Related party	56,500	8%	36,500	8%
Related Party	3,170	—	21,170	—
Related Party	8,431	8%	11,131	8%
CFO	31,973	8%	7,841	—
Shareholder	226,936	6%	294,056	6%
CEO	56,614	8%	—	—
Shareholder	105,219	8%	—	—
Total	$ 577,716		$ 486,964	

On May 28, 2008, a shareholder who is indirectly invested in the Company with the Chief Executive Officer (CEO) through another entity, loaned the Company the sum of $65,000 accruing interest at 9% per annum. There was an accrued interest balance of $49,231 and $43,381 as of December 31, 2016 and December 31, 2015, respectively. The note was repayable on or before September 15, 2008 although no demand for repayment has been received from the holder. There is no formal written agreement and the terms are documented on a letter from a former Chief Financial Officer (CFO) of the Company. The terms contain no default clauses and as of the time of this report, no demand for repayment has been made or expected. The Company intends to either negotiate a conversion to common stock or to repay the loan when sufficient working capital permits such action.

Upon the consummation of the merger on April 1, 2015, the Company assumed an Original Issue Discount (OID) promissory note with a remaining principal balance of $15,000 accruing interest at 18% per annum. On November 30, 2015 there was an outstanding principal balance of $15,000 and an accrued interest balance of $2,651 in which the promissory note was restructured into a note due on or before December 15, 2016 for a total of $17,651 principal balance, accruing interest at 8% per annum and monthly payments of $1,535 commencing January 15, 2016. The Company made payments during the first quarter of 2016 in the amount of $4,282 and will resume payments in the second quarter of 2017. As of December 31, 2016, the loan had an outstanding amount of $13,369 and there was an accrued interest balance of $802.

Upon the consummation of the merger on April 1, 2015, the Company assumed two promissory notes due to an entity which had previously extended credit on a revolving basis for working capital. The total principal balance was $212,693 at the time of the merger and carried total interest and extension fees of 30% per annum. On September 30, 2015, the note and accrued interest for a total of $275,660 was exchanged for 28,640 common shares. The Company recorded a loss on settlement in the amount of $115,139. The same lender had extended further credit to the Company's TrueVue360 subsidiary which on September 30, 2015 had a principal balance of $28,040 and accrued interest balance of $9,777 totaling $37,817. The note can be extended each time for a further 30 days on payment of a 1% extension fee in addition to the 1.5% interest cost which can be accrued. The Company agreed to convert this note to an 18-month term loan with 0% interest and monthly payments of $2,100 starting November 1, 2015. The Company also issued 14,321 five-year warrants with a strike price of $9.80 as consideration for the conversion of the larger note and the zero-interest feature of the extended payment plan. As of December 31, 2016 and 2015, the balance was $10,504 and $33,615, respectively.

On December 12, 2013, the wife of the CEO loaned the Company the sum of $10,000 at an annual percentage rate of 8%. On January 29, 2015, March 3, 2015 and September 30, 2015 the wife of the CEO loaned the Company an additional $12,000, $5,000 and $9,500 respectively. On January 24, 2016, an additional $20,000 was loaned to the Company. The total principal due at December 31, 2016 and 2015 was $56,500 and $36,500, respectively. There was accrued interest balance of $7,474 and $3,052 as of December 31, 2016 and 2015, respectively. The note is repayable on demand of the holder. As of the time of this report, no such demand has been made.

Upon the consummation of the merger on April 1, 2015, the Company assumed a promissory note with a remaining principal balance of $30,378 due to the former CEO of ISA. These amounts are non-interest bearing and are due on demand. The Company pays these loans as sufficient funds become available. At December 31, 2016 and 2015, the loan had an outstanding balance of $3,170 and $21,170, respectively.

Upon the consummation of the merger on April 1, 2015, the Company assumed an OID promissory note with a remaining principal and accrued interest balance of $10,593. During the third quarter of 2015, interest payments of $1,500 were paid. At November 30, 2015 the principal balance of the note was $10,000, and an accrued interest balance of $1,131 at a rate of 30% per annum was restructured into a note due on or before December 15, 2016 for a total of $11,131 principal balance, accruing interest at 8% per annum and monthly payments of $968 commencing January 15, 2016. The Company made payments during the first quarter of 2016 in the amount of $2,700 and will resume payments in the second quarter of 2017. As of December 31, 2016 and 2015, the loan had an outstanding balance of $8,431 and $11,131, respectively, and there was an accrued interest balance of $506 at December 31, 2016.

On March 10, 2015, the Company received a $100,000 loan from a related party principal shareholder. The note accrues interest at the rate of 12% per annum and was repayable on or before December 15, 2015. The Company and shareholder agreed to convert the principal amount and accrued interest for a total of $107,627 to common stock effective October 28, 2015 for 10,250 shares of common stock at $10.50 per share. The Company recorded a loss on conversion in the amount of $35,876 which is included in the interest expense balance of $744,343 for 2015.

Upon the consummation of the merger on April 1, 2015, the Company assumed two promissory notes with a total principal balance of $8,783 due to the Company's CFO. During the second quarter of 2015, the CFO loaned the Company an additional $365 and the Company made payments to the CFO during the same period in the amount of $1,307. These advances do not incur any interest and will be paid by the Company when sufficient funds are available. On January 28, 2016, the CFO loaned the Company $30,000, accruing interest at 8% per annum which is repayable by the Company when sufficient funds are available. At December 31, 2016 and 2015, the outstanding loan balance was $31,973 and $7,841, respectively.

On April 8, 2015, the Company received a $310,000 loan from a related party principal shareholder. The note accrues interest at the rate of 6% per annum and was repayable on or before October 31, 2015. There was accrued interest balance of $8,616 as of September 30, 2015. The Company and shareholder have agreed to replace the note with a new note in the amount of $320,166, which includes principal and accrued interest through October 31, 2015. Repayment shall occur with eleven monthly payments of $27,750 plus one final payment of $27,006.63 (including interest of 6%) beginning on or before December 31, 2015. As of December 31, 2016, the Company is nine payments in arrears and the outstanding balance was $226,936. The outstanding balance at December 31, 2015 was $294,056.

On July 19, 2016, the Company received a $60,000 loan less fees of $75 for a related party loan with proceeds of $59,925 from the Company's CEO. The promissory note carries an annual interest rate of 7.99% with a monthly installment payment of $1,052 through July 19, 2022. As of December 31, 2016, the outstanding balance was $56,614.

On August 11, 2016, the Company received an $111,645 loan from a related party principal shareholder. The note accrues interest at the rate of 8% per annum and is repayable on or before February 11, 2017. As of December 31, 2016, the outstanding balance was $105,219.

Notes Payable

Payable To	December 31, 2016		December 31, 2015	
	Principal	Interest	Principal	Interest
Shareholder	$ 19,108	—	$ 19,108	—
Shareholder	—	—	125,000	.67%
Vendor	22,500	—	52,500	—
Total	$ 41,608		$ 196,608	

Upon the consummation of the merger on April 1, 2015, the Company assumed a promissory note with a remaining principal balance of $19,108 due to an unrelated party investor and shareholder of the Company. The $19,108 is non-interest bearing and currently due, although the note holder has not made any demand for payment at this time.

Upon the consummation of the merger on April 1, 2015, the Company assumed a non-interest bearing OID promissory note due to an unrelated party stockholder, subject to a forbearance agreement and due July 14, 2015. A 25% penalty was due if the balance is not paid by the due date. Furthermore, 5% of all factor payments to the Company are to be used to pay down the note. The note is secured by certain of the Company's intellectual property. Additionally, until the loan is paid, if there is a trigger notice (loan is due or is called), the factor will pay to the stockholder all factor holdback amounts after collection of the related accounts receivable, less any factor fees. On September 21, 2015, the shareholder agreed to convert $81,250 of the $165,000 outstanding note to 14,469 shares of the Company's common stock and the addition of the 25% penalty as stated above in the amount of $41,250, with a new note balance of $125,000, 15-month term and 8% interest. The Company recorded a loss on conversion in the amount of $55,484 which is included in the interest expense balance of $744,343 for 2015. The note was repaid on April 1, 2016 including the accrued interest of $7,078. At December 31, 2016 and 2015, the accrued interest was zero and $4,578, respectively.

On August 10, 2015, the Company entered into an agreement with FacilityTeam of Ontario, Canada to settle a dispute that had arisen concerning payments for software development services. The Company agreed to pay to FacilityTeam $2,500 per month starting October 1, 2015 for 24 months and, pursuant thereto, took a charge in the third quarter of 2015 for the settlement amount of $60,000. At December 31, 2016 and 2015, the outstanding balance was $22,500 and $52,500, respectively.

Convertible Notes, Including Premiums

	December 31, 2016			December 31, 2015		
Payable To	Principal	Premium	Principal, Including Premium	Principal	Premium	Principal, Including Premium
Vendor	$ 50,000	$ 50,000	$ 100,000	$ 50,000	$ 50,000	$ 100,000
Vendor	46,975	46,975	93,950	46,975	46,975	93,950
Total	$ 96,975	$ 96,975	$ 193,950	$ 96,975	$ 96,975	$ 193,950

Upon the consummation of the merger on April 1, 2015, the Company assumed a convertible promissory note of $50,000 due to a vendor of the Company which included a premium of $50,000 relating to its treatment as stock settled debt under ASC 480. The $50,000 convertible note accrues interest at 1% per month and is convertible into the Company's common stock at a 50% discount to the average closing bid prices for the company's common stock for the five days immediately preceding the conversion date. An interest payment was made on January 11, 2016 in the amount of $3,230. The outstanding note balance at December 31, 2016 and 2015 was $50,000 and $50,000, respectively and accrued interest on December 31, 2016 and 2015 was $7,511 and $4,723, respectively. As previously disclosed, on May 23, 2016, the Company filed a lawsuit against, the holder of this note and another convertible note described below. The Company owes the principal and interest due under the notes and has sought to pay principal and interest of the note which first came due but its offer was rejected. On January 19, 2017, the Company executed a settlement agreement with this vendor resolving the pending lawsuit concerning the two convertible notes. The settlement calls for payment of $150,000 due within 45 days of execution thereof and resolves all outstanding obligations. Payment was made on March 7, 2017. (see Note 18)

Upon the consummation of the merger on April 1, 2015, the Company assumed a promissory note with a remaining principal balance of $44,325 bearing interest at 1.5% per month. The note holder gave 30-day notice to the Company on May 1, 2015 for the note to be repaid in full plus any interest due. On June 30, 2015, an Addendum to Promissory Note was executed providing that the payment of $46,975, $44,325 plus accrued interest of $2,650, in connection with the Debt Purchase Agreement represents the total settlement of the Note. Also, on June 30, 2015 a current shareholder and services provider agreed to assume the new $46,975 note with the existing terms and conditions and an addendum was signed for the assumption and making the note convertible into the Company's common stock at a 50% discount to the average price of the Company's common stock for the five trading days preceding conversion and the new Note is non-interest bearing. The addendum was treated as a debt extinguishment. The Company recorded a premium of $46,975 since the note was convertible at a fixed rate to a fixed monetary amount equal to $93,950 pursuant to ASC 480. On each of December 31, 2016 and 2015, the outstanding balance on the note was $93,950 which includes the $46,975 premium and there was accrued interest on December 31, 2016 and 2015 of $12,682 and $4,228, respectively. During the previous quarter, the new holder attempted a conversion into stock of a portion of the note. The Company determined that the conversion notice was invalid in several respects and rejected the conversion. As previously disclosed, on May 23, 2016, the Company filed a lawsuit against, the holder of this note and another convertible note described above. The Company owes the principal and interest due under the notes and has sought to pay principal and interest of the note which first came due but its offer was rejected. On January 19, 2017, the Company executed a settlement agreement with this vendor resolving the pending lawsuit concerning the two convertible notes. The settlement calls for payment of $150,000 due within 45 days of execution thereof and resolves all outstanding obligations. Payment was made on March 7, 2017. (see Note 18)

Notes Payable – Third Parties

	December 31, 2016			December 31, 2015		
Payable To	Principal	Less Unamortized Discounts	Principal, Less Unamortized Discounts	Principal	Less Unamortized Discounts	Principal, Less Unamortized Discounts
Note 1-non-current	$ 1,800,000	$ 593,478	$ 1,206,522	$ —	$ —	$ —
Note 2-current	605,263	559,661	45,602	—	—	—
Total	$ 2,405,263	$ 1,153,139	$ 1,252,124	$ —	$ —	$ —

Note 1

On March 31, 2016, the Company entered into a Securities Purchase Agreement with an institutional investor, which, together with the transaction documents referenced therein, provides for the terms in the following paragraph. The Company closed the Offering on April 1, 2016.

The offering amount was $1,800,000 less a 5% original issue discount. The note is a senior debt obligation secured by substantially all assets of the Company and shares of all current and future subsidiaries as well as being guaranteed by each subsidiary but is not convertible into the Company's stock. The senior secured note also contains certain default provisions and is subject to standard covenants such as restrictions on issuing new debt. In conjunction with the note, the Company issued a warrant exercisable for 71,425 shares of common stock exercisable for five years at an exercise price of $12.25 per share. The warrants also contain certain anti-dilution provisions that apply in connection with any stock split, stock dividend, stock combination, recapitalization or similar transactions as well as a potential adjustment to the exercise price based on certain future contingent events. The relative fair value of the warrants of $466,031 was recorded as a debt discount and is being amortized to interest expense over the term of the debt. The note will mature three years from the closing date and will accrue interest at the rate of 14% per annum, payable monthly. The note will accrue additional interest at the rate of 2% per annum, compounding monthly, payable annually in arrears. The Company may choose to begin amortizing the principal at any time subject to prepayment premiums. Also, the Company agreed to an amended placement agent's fee with respect to the placement of such loan which differed from the original terms agreed with the Placement Agent as that agreement had expired (see Note 10, Placement Agency Agreement). The amendment included (a) postponement of payment of the cash fee of $5,000 to 15 days of execution of the term sheet, (b) the closing fee was fixed to $137,000 (based on a $1.8 million debt funding) and three-year warrants for 5,715 shares at an exercise price of $14 per share and valued at their fair value of $43,272. Other closing expenses totaled $40,000 plus another $10,000 of legal fees previously paid. Total cash issue costs of $192,000, the original issue discount of $90,000, the warrant relative fair value of $466,031 and warrant fair value of $43,272 were recorded as debt discounts to be amortized over the three-year term of the debt. Net proceeds were $1,518,000 after all issue costs. Additionally, at closing, certain previously recorded obligations of the Company totaling $690,110, as discussed below, were paid directly from the lender reducing the actual proceeds to the Company.

On April 1, 2016, in conjunction with the closing of the aforementioned Securities Purchase Agreement, the sum of $558,032 was remitted out of the proceeds in final settlement of the litigation with CW Electric. This amount consisted of $550,000 of the agreed settlement, which was previously accrued as of December 31, 2015, plus $8,032 of accrued interest. This represents full and final settlement of this matter, which is now closed.

On April 1, 2016, the Company directed the sum of $132,078 to be paid out of proceeds of the Securities Purchase agreement to a shareholder who held a note secured against part of the Company's assets. The payment of $125,000 in principal and $7,078 of accrued interest represents full payment of the note and the noteholder no longer holds any security against the assets.

On April 1, 2016, the Company made a payment of $142,000 (part of the $192,000 discussed above) to a placement agent as compensation for arrangement of financing through the aforementioned Securities Purchase Agreement. The payment was deducted from proceeds of that agreement. As discussed above, the Company also issued 5,715 three-year warrants with an exercise price of $14 per share to the agent as additional compensation. These amounts are broadly in line with the anticipated compensation agreed within the original placement agency agreement which was terminated in December, 2015.

Note 2

On December 20, 2016, the Company entered into a Securities Purchase Agreement (the "Purchase Agreement") with JMJ Financial, ("JMJ," and together with the Company, the "Parties") and borrowed an initial principal amount of $605,263 from the total available as discussed below. Pursuant to the Purchase Agreement, JMJ purchased from the Company (i) a Promissory Note in the aggregate principal amount of up to $2,500,000 (the "Note") for consideration of up to $2,350,000 net of an original issue discount of 5%, due and payable on the earlier of May 15, 2017 or the third business day after the closing of the Public Offering (as defined therein), and (ii) a Common Stock Purchase Warrant (the "Warrant") to purchase 115,289 shares of the Company's common stock ("Common Stock") at an exercise price per share equal to the lesser of (i) 80% of the per share price of the Common Stock in the Company's contemplated public offering of securities (the "Public Offering"), (ii) $5.25 per share, (iii) the lowest daily closing price of the Common Stock during the ten days prior to the Public Offering (subject to adjustment), (iv) the lowest daily closing price of the Common Stock during the ten days prior to the Maturity Date (as defined in the Note)(subject to adjustment), (v) 80% of the unit price in the Public Offering (if applicable), or (vi) 80% of the exercise price of any warrants issued in the Public Offering. Additionally, pursuant to the Purchase Agreement, the Company will issue JMJ shares of Common Stock equal to 30% of the principal sum of the Note ("Origination Shares") on the 5th trading day after the pricing of the Public Offering, but in no event later than May 30, 2017. The number of Origination Shares will equal the principal sum of the Note divided by the lowest of (i) the lowest daily closing price of the Common Stock during the ten days prior to delivery of the Origination Shares or during the ten days prior to the date of the Public Offering (in each case subject to adjustment for stock splits), (ii) 80% of the common stock offering price of the Public Offering, (iii) 80% of the unit price offering price of the Public Offering (if applicable), or (iv) 80% of the exercise price of any warrants issued in the Public Offering. The Note is convertible into common stock of the Company at a variable conversion price only upon a Maturity Date payment default by the Company. Cash closing expenses totaled $46,000 to the private placement agent. The Company also issued warrants for 9,223 common stock to the placement agent with the same terms as the lender warrants. Total cash issue costs of $46,000, the original issue discount of $30,263 and a discount relating to the warrants of $529,000 were recorded as debt discounts to be amortized over the 146-day term of the debt. Net proceeds were $529,000 after all issue costs. The Company previously paid and expensed legal fees of $28,750 and paid an advance retainer of $50,000 to a law firm for future work relating to the planned public offering which is recorded as a prepaid asset at December 31, 2016.

NOTE 7 – LINE OF CREDIT

The Company assumed a line of credit with Wells Fargo Bank upon merger with ISA on April 1, 2015. The line of credit provided for borrowings up to $40,000, but is now closed to future borrowing. The balance as of December 31, 2016 and 2015, was $38,019 and $40,216, respectively, including accrued interest. This line of credit has no maturity date. The annual interest rate is the Prime Rate plus 8% (10.25% at December 31, 2016). The former CEO of ISA is the personal guarantor.

NOTE 8 – CONTRACT ACCOUNTING

Costs and Estimated Earnings in Excess of Billings on Uncompleted Contracts

Costs and estimated earnings in excess of billings on uncompleted contracts represents costs and estimated earnings in excess of billings and/or cash received on uncompleted contracts accounted for under the percentage of completion contract method.

At December 31, 2016 and 2015, costs and estimated earnings in excess of billings on uncompleted contracts consisted of the following:

	2016	2015
Costs and estimated earnings recognized	$ 2,631,315	$ 2,322,836
Less: Billings or cash received	(2,154,642)	(1,901,720)
Costs and estimated earnings in excess of billings on uncompleted contracts	$ 476,673	$ 421,116

Billings in Excess of Costs and Estimated Earnings on Uncompleted Contracts

Billings in excess of costs and estimated earnings on uncompleted contracts represents billings and/or cash received that exceed accumulated revenues recognized on uncompleted contracts accounted for under the percentage of completion contract method.

At December 31, 2016 and 2015, billings in excess of costs and estimated earnings on uncompleted contracts consisted of the following:

	2016	2015
Billings and/or cash receipts on uncompleted contracts	$ 396,609	$ 1,146,804
Less: Costs and estimated earnings recognized	(176,984)	(843,740)
Billings in excess of costs and estimated earnings on uncompleted contracts	$ 219,625	$ 303,064

NOTE 9 – DEFERRED COMPENSATION

As of December 31, 2016 and 2015, the Company has accrued $894,217 and $776,428, respectively, of deferred compensation relating to the individual agreements, which are included in the accompanying consolidated balance sheet in accrued expenses. The above referenced deferred compensation agreements are un-funded.

NOTE 10 – COMMITMENTS AND CONTINGENCIES

Operating Leases

The Company has several non-cancelable operating leases, primarily for equipment, that expire over the next year. Minimum rent payments under operating leases are recognized on a straight-line basis over the term of the lease. Rental expense for operating leases during 2016 and 2015 was $12,457 and $12,578, respectively.

	Year Ended December 31,	
	2016	2015
Purchase Power	$ 588	$ 710
Coffee Perks/A. Antique Coffee Services	300	300
Canon	11,569	11,569
Total Operating Leases rent expense	$ 12,457	$ 12,578

The Company has an operating lease agreement, through the former parent, for office space located in Jacksonville, Florida that expired on April 30, 2016. On March 8, 2016, the former parent executed an amendment to the current lease with a start date of May 1, 2016 and ending on October 31, 2021. Rental expense for the months of March 2016 through May 2016 will be $0, followed by a monthly rent of $14,816 (including operating cost and taxes) commencing with the month of June 2016. The rent is subject to an annual escalation of 3%, beginning May 1, 2017.

Minimum rent payments under this lease are recognized on a straight-line basis over the term of the lease. The current monthly lease payment is $14,179. Rental expense for the office lease during 2016 and 2015 was $171,513 and $142,593, respectively.

The following is a schedule of future minimum lease payments for non-cancelable operating leases are as follows:

2017	169,483
2018	174,568
2019	179,805
2020	185,199
2021	155,846
Total	$ 864,901

Placement Agency Agreement

On February 18, 2015, duostech engaged an exclusive placement agent in connection with the possible acquisition of a private entity which has previously been disclosed. The acquisition required private placement of equity, equity-linked or debt securities (the "Agreement"). On June 29, 2015, the Company and the placement agent terminated the agreement; no success fee amounts were due.

On July 1, 2015, duostech entered into a limited exclusive placement agent agreement in connection with the proposed offer and placement of up to $5,000,000 of securities, convertible instruments, private notes or loans (excluding a registered public offering) of the Company. The Agreement was for an initial term of 120 days. duostech paid an initial fee of $15,000 in connection with this engagement with an additional $5,000 due upon the acceptance by duostech of a valid term sheet. In the event of a transaction being concluded, the agent would have been paid 5% of senior debt that is not convertible and 8% cash plus 8% warrants of any equity based transaction. At the conclusion of the initial term no acceptable term sheet had been presented and the Company terminated the agreement on December 1, 2015. The parties agreed to continue working together without a formal agreement but with an understanding that should a term sheet be accepted and a subsequent financing be secured, Duos would honor the terms of the original agreement as described above.

On January 6, 2016, the Company entered into an agreement with an investment banker to provide general financial advisory and investment banking services. Services included, but not limited to in the agreement are to provide a valuation analysis of the Company, assist management and advise the Company with respect to its strategic planning process and business plans including an analysis of markets, positioning, financial models, organizational structure, potential strategic alliances, capital requirements, potential national listing and working closely with the Company's management team to develop a set of long and short-term goals with special focus on enhancing corporate and shareholder value. The Agreement is for an initial term of six months. The Company shall pay a non-refundable fee accruing at the rate of $10,000 per month, for the term of the agreement. These advisory fee payments will be accrued and deferred for payment until the earlier of 1) closing of a financing described in the agreement, 2) a closing of interim funding at which point fifty percent (50%) of the outstanding monthly advisory fee will be payable on the last day of the month following closing of the interim financing or 3) the termination of the agreement. The Company issued to the investment banker 26,057 vested shares of the Company's common stock as of the execution date of this agreement. In addition, the Company issued warrants for the purchase of 8,629 shares of the Company's common stock. The warrants shall have a five-year term and an exercise price of $10.50 per share. (see Notes 14 and 15)

On January 27, 2016, the Company entered into an agreement with a consultant to provide advisory services for an initial period of six months. The consultant will assist the Company with its objective of evaluating financing and other strategic options in connection with operational expansion and respond to any opportunities that arise in regard to strategic partnerships/acquisition/joint ventures or other business relationships that may advance revenue growth and enterprise value. Upon a qualified financing of at least $1,500,000 through a party introduced by the consultant, the Company agreed to issue up to $90,000 in equity or cash at the same rate and terms as the basis of the financing. In consideration for development services thirty days from the execution of this agreement, 571 shares of restricted common stock of the Company will be granted to the consultant or assigns and be issued within fifteen days of the grant. Also, 857 additional shares shall be granted to the consultant or assigns on completion of any transactions with a potential participant. In consideration for advisory services, the non-refundable sum of $5,000 was payable upon execution of the agreement with a further $5,000 to be deferred and paid upon the completion of any transaction with a potential participant. On May 5, 2016, the Company cancelled the agreement due to lack of performance with the consultant who was to provide advisory services for an initial period of six months. The Company paid an initial amount of $2,500 and no further compensation will be paid. No shares of common stock were issued in connection with this agreement.

On May 13, 2016, the Company entered into an agreement with a consultant in the business of providing services for management consulting, business advisory, shareholder information and public relations for a period of three months. During the Term of this Agreement, the Company will pay to the Consultant the sum of $3,000 per month. The Company may accrue monthly fees without payment to the consultant until the company closes a qualified financing other than the first month's retainer. Upon signing, the Company issued to the Consultant 3,571 shares of the Company's restricted common stock for a total purchase price of $100 and recorded $27,400 as a prepaid asset to be amortized over the three-month term. The Company amortized $27,400 to expense as of December 31, 2016. As of August 14, 2016, the agreement had expired and was not renewed in writing by the parties as called for in the agreement. The Company continues to work with the Principal on certain potential funding arrangements that were started (but not consummated) during the period in which the contract was in effect.

On September 1, 2016, the Company entered into an agreement with a registered investment broker, for the purposes of securing interim and long-term funding for the Company. During the ninety-day term of this agreement, the Company was to pay the broker $50,000, certain travel expenses, plus 7% cash fee of the aggregate principle amount raised on a qualified financing. The Company has paid an initial amount of $6,500 to the broker and the broker sent materials to qualified investors. The Company has cancelled the agreement effective December 27, 2016 and the initial fee of $6,500 was refunded to the Company on February 1, 2017.

Litigation

On or about December 22, 2014, Corky Wells Electric ("CW Electric") filed suit in the Circuit Court of Boyd County, Kentucky, against duostech demanding relief related to a promissory note issued by duostech to CW Electric on December 10, 2008 in the amount of $741,329. The suit was subsequently removed to the United States District Court for the Eastern District of Kentucky, Ashland Division. Previously, duostech entered into a "Stipulation for Settlement" on September 30, 2009 wherein CW Electric agreed to dismiss a previous lawsuit and duostech agreed to resume payments on the promissory note. In its suit, CW Electric contended that duostech breached the terms of that Stipulation for Settlement by not making the required number of payments at the times stipulated therein. CW Electric further contended that due to the breach of payment terms, under the terms of the promissory note, the outstanding amount continued to accrue interest at the rate of 18% per annum, which compounded monthly for a total of $1,411,650 due through the future final payment date.

Effective October 28, 2015, duostech and CW Electric entered into a Settlement and Release Agreement (the "Settlement Agreement") pursuant to which the parties have agreed to settle the suit upon the payment by duostech to CW Electric of $550,000 (the "Settlement Amount") by February 15, 2016. An agreed judgment, evidencing the Company's agreement to pay the Settlement Amount, was signed by the parties (the "Agreed Judgment") and such document deposited into escrow with CW Electric's counsel. At the time of the payment of the Settlement Amount, the Agreed Judgment is to be returned to the Company for destruction. Under the terms of the Settlement Agreement, duostech had until February 15, 2016 to pay the Settlement Amount and, if such amount was not paid by such date, then the Agreed Judgment was to be filed with the court and executed upon, with interest due at 12% per annum beginning February 15, 2016.

On February 9, 2016, duostech's counsel informed CW Electric's counsel that on February 5, 2016, Duos executed a term sheet with an investment fund which will, among other things, provide the funding for the settlement with C.W. Electric. At the time, Duos and the lender believed that the closing would take place during or prior to the second week in March. Consequently, Duos requested that C.W. Electric refrain from filing and/or executing on the Agreed Judgment attached to the Settlement Agreement until after the closing, as they were in the final stretches of obtaining the funding necessary to resolve this matter. CW Electric's counsel agreed to an extension and following the filing of a respective joint motion, the District Court for the Eastern District of Kentucky entered an order of continuance until March 20, 2016 and further extended until April 20, 2016. Payment was made in full upon the closing of the loan dated April 1, 2016.

A contingent lawsuit payable of $550,000 was reflected at March 31, 2016 and December 31, 2015 in the Company's consolidated financial statements. On April 1, 2016, CW has released the Company, duostech and affiliates from any action that could have been brought in the suit.

On August 10, 2015, the Company entered into an agreement with FacilityTeam of Ontario, Canada to settle a dispute that had arisen concerning payments for software development services. The Company strongly believed that FacilityTeam did not deliver the products promised and felt that we would prevail in arbitration called for by the contract between the parties. Ultimately, the Company opted to settle the matter for the cost of the litigation which was estimated be at least $60,000; rather than spend further resources on defending the claim and pursuing the counterclaim against FacilityTeam. The Company agreed to pay to FacilityTeam $2,500 per month starting October 1, 2015 for 24 months and taking a charge in the third quarter of 2015 for the settlement amount of $60,000. On December 12, 2016, the Company was notified that it was in breach of settlement with a previous vendor, FacilityTeam based in in Ontario, Canada alleging failure to make payments against that settlement. On December 28, 2016 the Company subsequently agreed to a modified payment schedule as part of a post judgement settlement for the amounts still outstanding. The final payment was made on March 7, 2017. (see Note 18)

On May 12, 2016, in Broward County, Florida, the holder of two convertible notes entered into in March and June 2015 in the amount of $50,000 and $46,975 respectively sued the company alleging that the Company was in default for not making scheduled principal and interest payment and failing to convert a portion of the notes into the Company's common stock. As previously reported, on May 23, 2016, we filed a lawsuit in Broward County, Florida against, Greentree Financial Group, Inc., the holder of $96,975 aggregate principal amount of our convertible notes. The suit alleges, amongst other things, that the officers and directors of Greentree that entered into the notes, failed to disclose legal facts with respect to their personal conduct in the past, which, had the Company known, would have made it unlikely that such transaction would have been consummated. The Company owes the principal and interest due under the notes and sought to pay principal and interest of the note which first came due, but its offer was rejected. On January 23, 2017, the Company executed a settlement agreement with Greentree Financial Group resolving a pending lawsuit concerning these two convertible notes. The settlement called for payment of $150,000 within 45 days of execution thereof and resolves all outstanding obligations related to the Notes. The payment was made on March 7, 2017. (see Note 18)

Delinquent Payroll Taxes Payable

As reported previously, the Company has a delinquent payroll tax payable at December 31, 2016 and 2015 in the amount of $400,076 and $244,470, respectively. The delinquent portion is included in the payroll taxes payable balance of $444,476 and $296,215, respectively, as shown on the Company's consolidated balance sheet. The IRS has accepted the Company's offer of a monthly installment agreement in the amount of $25,000 commencing March 28, 2016.

NOTE 11 – INCOME TAXES

The Company maintains deferred tax assets and liabilities that reflect the net tax effects of temporary differences between the carrying amounts of assets and liabilities for financial reporting purposes and the amounts used for income tax purposes. The deferred tax assets at December 31, 2016 and 2015 consist of net operating loss carryforwards and differences in the book basis and tax basis of intangible assets.

The blended Federal and State tax rate of 37.6% applies to loss before taxes. The items accounting for the difference between income taxes at the effective statutory rate and the provision for income taxes for the years ended December 31, 2016 and 2015 were as follows:

	Years Ended December 31,	
	2016	2015
Income tax benefit at U.S. statutory rate of 34%	$ (870,948)	$ (790,823)
State income taxes	(92,218)	(83,734)
Non-deductible expenses	356,674	722,740
Change in valuation allowance	606,492	151,817
Total provision for income tax	$ —	$ —

The Company's approximate net deferred tax assets as of December 31, 2016 and 2015 were as follows:

	December 31, 2016	December 31, 2015
Deferred Tax Assets:		
Net operating loss carryforward	$ 5,241,802	$ 4,602,442
Intangible assets	181,338	215,206
	5,423,140	4,816,648
Valuation allowance	(5,423,140)	4,816,648)
Net deferred tax assets	$ —	$ —

The net operating loss carryforward was approximately $13,941,000 and $12,240,000 at December 31, 2016 and 2015, respectively. The Company provided a valuation allowance equal to the deferred income tax assets at December 31, 2016 and 2015 because it was not known whether future taxable income will be sufficient to utilize the loss carryforward and other deferred tax assets. The increase in the valuation allowance was $606,492 in 2016.

The potential tax benefit arising from the loss carryforward will expire in years through 2036. Additionally, the future utilization of the net operating loss carryforward to offset future taxable income may be subject to an annual limitation as a result of ownership changes that could occur in the future in accordance with Section 382 of the Internal Revenue Code. If necessary, the deferred tax assets will be reduced by any carryforward that expires prior to utilization as a result of such limitations, with a corresponding reduction of the valuation allowance. The Company believes its tax positions are all highly certain of being upheld upon examination. The Company's 2016, 2015 and 2014 Corporate Income Tax Returns are subject to Internal Revenue Service examination.

The Company does not have any uncertain tax positions or events leading to uncertainty in a tax position.

NOTE 12 – RELATED PARTIES

Notes, Loans and Accounts Payable

As of December 31, 2016 and 2015 there were various notes and loans payable to related parties totaling $577,715 and $486,964, respectively, with related unpaid interest of $62,959 and $47,959 respectively (see Note 6). The Company also has accounts payable-related parties due to an officer for expense reimbursement and due to an affiliate for services in the total amount of $40,136 and $30,070 at December 31, 2016 and 2015, respectively.

Administrative Services Agreement

On December 1, 2002, the Company and the former parent entered into an Administrative Services Agreement whereby the former parent agreed to provide administrative and support services including but not limited to, (a) rent and general infrastructure, (b) human resource management services, and (c) accounting and financial services and other miscellaneous services. The monthly fee was subject to adjustments in accordance with the actual services rendered. There were no fees incurred with the former parent for the years ending December 31, 2016 and 2015 and we will not incur any additional fees going forward. At December 31, 2016 and 2015, $0 and $5,173, respectively, were due to the former parent under this agreement which is included in Accounts payable - related parties.

NOTE 13 – SERIES A REDEEMABLE CONVERTIBLE CUMLATIVE PREFERRED STOCK

Our board of directors has designated 500,000 of the 10,000,000 authorized shares of preferred stock as Series A Convertible Preferred Stock. In September through October 2016, the Company sold 29,600 shares of Series A Convertible Preferred Stock for cash proceeds equal to the state value of $296,000. Accrued cumulative dividends were $5,920 as of December 31, 2016. The total redemption value was $301,920 at December 31, 2016.

Rank. The Series A Convertible Preferred Stock will rank senior to our common stock to the extent of its liquidation preference of $10 per share (the "Stated Value").

Conversion. Each share of the Series A Preferred is convertible into shares of our common stock at any time at the option of the holder, into that number of shares of common stock determined by dividing the sum of (i) the Stated Value of such shares of Series A Preferred and (ii) the accrued and unpaid dividends per share by the conversion price of $6.30 (the "Conversion Price"). In the event the Company undertakes a registered offering; the holder may elect to convert at the terms of that offering for a period of 30 days after the offering is closed after which only the conversion terms described above will be available. In all cases, any conversion rights will always be tied to the price of the Company's stock. (see "Certain Adjustments" below).

Liquidation Preference. In the event of our liquidation, dissolution or winding up, whether voluntary or involuntary (the "Liquidation Event"), holders of the Series A Preferred then outstanding shall be entitled to receive, out of assets of the Company available for distribution to its stockholders, an amount equal to the Stated Value plus any accrued and unpaid dividends as of the date of such Liquidation Event.

Voting Rights. Holders of Series A Preferred will vote on an as converted basis on all matters on which the holders of common stock are entitled to vote. In addition, as long as the Series A Preferred remains outstanding, the Company shall not, without the affirmative vote of the holders of a majority of the then outstanding shares of the Series A Preferred (i) alter or change adversely the powers, preferences or rights given to the Series A Preferred (ii) authorize or create any class of stock ranking as to dividends, redemption or distribution of assets upon a Liquidation Event senior to, or otherwise pari passu with, the Series A Preferred (iii) amend its Articles of Incorporation or other charter documents in any way that may adversely affect any rights of Series A Preferred, (iv) increase the authorized shares of Series A Preferred or (v) enter into any agreement with respect to the foregoing.

Dividends. Each share of Series A Convertible Preferred Stock shall be entitled to receive, an annual 8% dividend. Such dividend will be accrued and be paid either as part of conversion to common stock where such dividend will be converted at the same rate or on redemption at the end of three years. The holders of shares of the Series A shall be entitled to receive, when, as and if declared by the Board of Directors out of funds legally available therefore, cumulative cash dividends at an annual rate of eight percent (8%) of the Stated Value (the "Dividend Rate"). Such dividends on shares of Series A shall be cumulative from the date such shares are issued, whether or not in any period there shall be funds of the Company legally available for the payment of such dividends and whether or not such dividends are declared, and shall be payable quarterly, when as, and if declared by the Board of Directors, on April 10, July 10, October 10, and January 10 in each year (each a "Dividend Payment Date"_ to holders of record as of March 31, June 30, September 30 and December 31 in each year (the "Record Date"). Cumulative dividends shall always accrue a compounded rate equal to the Dividend Rate and shall accrue from and including the date of issuance of such shares to and including a Dividend Payment Date. Such dividends shall accrue whether or not there shall be (at the time such dividend becomes payable or at any other time) profits, surplus or other funds of the Company legally available for the payment of dividends.

Certain Adjustments. The conversion price of the Series A Convertible Preferred Stock is subject to adjustment upon the occurrence of specific events, including stock dividends, stock splits, combinations and reclassifications of our common stock. Additionally, if the Company sells or issues any shares of Common Stock or Common Stock Equivalents at a price per share less than the Conversion price (a "Lower-Price Issuance") in connection with a financing where one of the purposes is to permit the Company's Common Stock being accepted for listing on a National Securities Exchange, then for a period of 30 days after the Common Stock begins to trade on a National Securities Exchange the Conversion Price shall be reduced to the Lower Price Issuance. After the 30-day period has expired, the Conversion Price shall increase to the level immediately prior to commencement of the 30-day period.

Redemption. The holder has the right to request redemption of the Series A Preferred Stock after a period of three years in an amount equal to the Stated Value plus accrued and unpaid dividends.

The Series A convertible preferred stock has been reflected as temporary equity at its redemption value on the accompanying consolidated balance sheet because of its redemption feature.

NOTE 14 – STOCKHOLDERS' DEFICIT

2016 Equity Plan

On March 11, 2016, the Board adopted the plan and the shareholders approved the plan during the annual shareholders meeting on April 21, 2016. On May 27, 2016, the Company filed a registration statement for the securities planned to be issued under the plan which became effective at that date.

The 2016 Equity Incentive Plan (the "2016 Plan") provides for the issuance of up to 228,572 shares of our common stock. The purpose of the Plan is to assist the Company in attracting and retaining key employees, directors and consultants and to provide incentives to such individuals to align their interests with those of our stockholders.

Administration

The 2016 Plan is administered by the Compensation Committee of the Board, which currently consists of one member of the Board and is a "non-employee director" within the meaning of Rule 16b-3 promulgated under the Exchange Act and an "outside director" within the meaning of Code Section 162(m). Among other things, the compensation committee has complete discretion, subject to the express limits of the 2016 Plan, to determine the directors, employees and nonemployee consultants to be granted an award, the type of award to be granted the terms and conditions of the award, the form of payment to be made and/or the number of shares of common stock subject to each award, the exercise price of each option and base price of each stock appreciation right ("SAR"), the term of each award, the vesting schedule for an award, whether to accelerate vesting, the value of the common stock underlying the award, and the required withholding, if any. The Compensation Committee may amend, modify or terminate any outstanding award, provided that the participant's consent to such action is required if the action would impair the participant's rights or entitlements with respect to that award. The Compensation Committee is also authorized to construe the award agreements, and may prescribe rules relating to the 2016 Plan. Notwithstanding the foregoing, the compensation committee does not have any authority to grant or modify an award under the 2016 Plan with terms or conditions that would cause the grant, vesting or exercise thereof to be considered nonqualified "deferred compensation" subject to Code Section 409A.

Grant of Awards; Shares Available for Awards

The 2016 Plan provides for the grant of stock options, SARs, performance share awards, performance unit awards, distribution equivalent right awards, restricted stock awards, restricted stock unit awards and unrestricted stock awards to non-employee directors, officers, employees and nonemployee consultants of the Company or its affiliates. We have reserved a total of 228,572 shares of common stock for issuance as or under awards to be made under the 2016 Plan. If any award expires, is cancelled, or terminates unexercised or is forfeited, the number of shares subject thereto is again available for grant under the 2016 Plan.

Currently, there are eleven identified employees (including two executive officers and directors), three non-employee directors, and up to thirty other current or future staff members who would be entitled to receive stock options and/or shares of restricted stock under the 2016 Plan. Future new hires and additional non-employee directors and/or consultants would be eligible to participate in the 2016 Plan as well.

Stock Options

The 2016 Plan provides for either "incentive stock options" ("ISOs"), which are intended to meet the requirements for special federal income tax treatment under the Code, or "nonqualified stock options" ("NQSOs"); the stockholders approved the 2016 Plan at the annual meeting as previously described. Stock options may be granted on such terms and conditions as the compensation committee may determine; provided, however, that the per share exercise price under a stock option may not be less than the fair market value of a share of the Company's common stock on the date of grant and the term of the stock option may not exceed 10 years (110% of such value and five years in the case of an ISO granted to an employee who owns (or is deemed to own) more than 10% of the total combined voting power of all classes of capital stock of our company or a parent or subsidiary of our company). ISOs may only be granted to employees. In addition, the aggregate fair market value of our common stock covered by one or more ISOs (determined at the time of grant) which are exercisable for the first time by an employee during any calendar year may not exceed $100,000. Any excess is treated as a NQSO.

Stock Appreciation Rights

A SAR entitles the participant, upon exercise, to receive an amount, in cash or stock or a combination thereof, equal to the increase in the fair market value of the underlying common stock between the date of grant and the date of exercise. SARs may be granted in tandem with, or independently of, stock options granted under the 2016 Plan. A SAR granted in tandem with a stock option (i) is exercisable only at such times, and to the extent, that the related stock option is exercisable in accordance with the procedure for exercise of the related stock option; (ii) terminates upon termination or exercise of the related stock option (likewise, the common stock option granted in tandem with a SAR terminates upon exercise of the SAR); (iii) is transferable only with the related stock option; and (iv) if the related stock option is an ISO, may be exercised only when the value of the stock subject to the stock option exceeds the exercise price of the stock option. A SAR that is not granted in tandem with a stock option is exercisable at such times as the compensation committee may specify.

Performance Shares and Performance Unit Awards

Performance share and performance unit awards entitle the participant to receive cash or shares of our common stock upon the attainment of specified performance goals. In the case of performance units, the right to acquire the units is denominated in cash values.

Restricted Stock Awards and Restricted Stock Unit Awards

A restricted stock award is a grant or sale of common stock to the participant, subject to our right to repurchase all or part of the shares at their purchase price (or to require forfeiture of such shares if issued to the participant at no cost) in the event that conditions specified by the compensation committee in the award are not satisfied prior to the end of the time period during which the shares subject to the award may be repurchased by or forfeited to us. Our restricted stock unit entitles the participant to receive a cash payment equal to the fair market value of a share of common stock for each restricted stock unit subject to such restricted stock unit award, if the participant satisfies the applicable vesting requirement.

Unrestricted Stock Awards

An unrestricted stock award is a grant or sale of shares of our common stock to the participant that is not subject to transfer, forfeiture or other restrictions, in consideration for past services rendered to the Company or an affiliate or for other valid consideration.

Amendment and Termination

The compensation committee may adopt, amend and rescind rules relating to the administration of the 2016 Plan, and amend, suspend or terminate the 2016 Plan, but no such amendment or termination will be made that materially and adversely impairs the rights of any participant with respect to any award received thereby under the 2016 Plan without the participant’s consent, other than amendments that are necessary to permit the granting of awards in compliance with applicable laws. We have attempted to structure the 2016 Plan so that remuneration attributable to stock options and other awards will not be subject to the deduction limitation contained in Code Section 162(m).

Common stock issued for services and settlements

On March 31, 2015, the Company issued 1,429 shares of common stock to a software engineering vendor for a $20,000 partial settlement of an outstanding payable. The shares were valued at $11.76 per share, or $16,800, based on contemporaneous conversions of the Company's Preferred Stock Series A and B to Common Stock. The Company recorded a $3,200 gain on the settlement of this payable which is included in Other Income in the statement of operations.

On May 20, 2015, the Company entered into a one year agreement with a third party for consulting services. The prepaid vested 2,858 shares of common stock were issued in June 2015 and valued on that day at the closing price of the stock on the previous day of $22.75 per share for a total of $65,000. The $65,000 was recorded as a prepaid asset which is being amortized to expense over the agreement term.

On May 27, 2015 the Company settled a $33,000 payable to an investor relations firm with 1,179 shares of common stock. There was no gain or loss.

In conjunction with and subsequent to the merger agreement, ISA Warrant Holders were granted 554 shares of common stock in exchange for 964 existing warrants. The difference between the fair value of the warrants surrendered and the shares issued resulted in a loss on a settlement of $3,082 charged to operations.

On June 30, 2015, the Company's CFO agreed to exchange $56,482 of accrued salary for restricted shares of the Company. The Company issued 4,034 shares of common stock based on a closing trading price of $14 per share. The shares were further divided and allocated by the CFO to three other parties including two charitable organizations and the son of the CFO with the CFO retaining 1,286 shares. There was no gain or loss on the settlement.

On July 1, 2015, the principal balance of a promissory note of $50,000 was converted to 4,286 shares of common stock with a per share conversion price of $11.55. The shares were valued at their quoted trading price of $17.85 per share on the conversion date or $76,500 resulting in a loss on settlement of $26,500.

On August 27, 2015, the Company issued 1,429 shares of common stock in connection with a consulting agreement for $100 with a per share price of $0.07. The shares were valued at $10,775 based on the quoted trading price of $7.54 per share resulting in a consulting expense of $10,675.

During the third quarter of 2015, the Company issued 1,315 shares of common stock for services valued at the quoted trading price on the respective grant dates resulting in an expense of $15,000.

In the third quarter of 2015, Warrant Holders were granted 428 shares of common stock in exchange for existing 579 warrants. The difference between the fair value of the warrants surrendered and the shares issued resulted in a gain on the exchanges and therefore no charges were made to operations.

On September 21, 2015, the Company issued 14,469 shares of common stock in exchange for an $81,250 portion of an outstanding convertible note. The shares were valued at $9.45 per share or $136,734 resulting in a loss settlement of $55,484.

On September 30 2015, the Company issued 28,640 shares of common stock in exchange for a promissory note and accrued interest totaling $275,660 with a related party. In addition, the Company issued 14,320 five year warrants in exchange for an extension of a $37,817 note. The shares were valued at $260,624 or $9.10 per share and the warrants were valued at $130,175 using a Black-Scholes option pricing model, resulting in a total value of $390,799 and a loss on settlement of $115,139.

On October 26, 2015, the Company issued 1,949 shares of common stock in exchange for a promissory note and accrued interest totaling $20,467 with a per share conversion price of $10.50. The shares were valued at their contractual price of $9.10 per share on the conversion date or $17,738 resulting in a gain on settlement of $2,729.

Also on October 26, 2015, the Company issued 3,914 shares of common stock in exchange for a convertible note and accrued interest totaling $41,096 with a conversion price of $10.50. The shares were valued at their contractual price of $9.10 per share on the conversion date or $35,616 resulting in a gain on settlement of $5,479.

On October 27, 2015, the Company issued 14,266 shares of common stock in exchange for a convertible note and accrued interest totaling $149,792 with a per share conversion price of $10.50. The shares were valued at their contractual price of $9.10 and $14.00 per share on the conversion date or $144,473 resulting in a net gain on settlement of $5,319.

On October 28, 2015, the Company issued 10,250 shares of common stock in exchange for a promissory note and accrued interest totaling $107,627 with a per share conversion price of $10.50. The shares were valued at their contractual price of $14 per share on the conversion date or $143,503 resulting in a loss on settlement of $35,876.

On December 16, 2015, the Company issued 6,548 shares of common stock in exchange for a convertible note and accrued interest totaling $68,750 with a per share conversion price of $10.50. The shares were valued at their contractual price of $10.50 per share on the conversion date or $68,750 resulting in no gain or loss on settlement.

On December 30, 2015, the Company issued 4,762 shares of common stock in exchange for a convertible note and accrued interest totaling $50,000 with a per share conversion price of $10.50. The shares were valued at their contractual price of $10.50 per share on the conversion date or $50,000 resulting in no gain or loss on settlement.

On January 6, 2016, the Company entered into an agreement with an investment banker to provide general financial advisory and investment banking services. Services included, but not limited to in the agreement are to provide a valuation analysis of the Company, assist management and advise the Company with respect to its strategic planning process and business plans including an analysis of markets, positioning, financial models, organizational structure, potential strategic alliances, capital requirements, potential national listing and working closely with the Company's management team to develop a set of long and short-term goals with special focus on enhancing corporate and shareholder value. The Agreement is for an initial term of six months. The Company shall pay a non-refundable fee accruing at the rate of $10,000 per month, for the term of the agreement. These advisory fee payments will be accrued and deferred for payment until the earlier of 1) closing of the financing described in the agreement, 2) a closing of interim funding at which point fifty percent (50%) of the outstanding monthly advisory fee will be payable on the last day of the month following closing of the interim financing or 3) the termination of the agreement. The Company has issued to the investment banker 26,057 vested shares of the Company's common stock valued at $273,600 based on the quoted trading price of $10.50 per share as of the execution date of this agreement. In addition, the Company has issued warrants for the purchase of 8,629 shares of the Company's common stock. The warrants have a five-year term and an exercise price of $10.50. The Company had accrued $60,000 during 2016 which was unpaid and was recorded in accrued expenses on the Company's consolidated balance sheet. In December 2016, the Company terminated the agreement and the accrued expenses of $60,000 was reversed and the 8,629 warrants were cancelled. As these warrants were fully vested at the date of grant, the Company has charged $90,036 to consulting expense.

On January 22, 2016, Warrant Holders were granted 60 shares of common stock in exchange for existing 150 warrants resulting in a loss on settlement of $630 charged to operations.

The Company issued 11,542 shares of common stock for consulting services rendered valued at the quoted trading price on the respective grant dates resulting in consulting expense of $50,000 in the year ended December 31, 2016.

On May 13, 2016, the Company issued 3,571 shares of common stock for consulting services valued at the quoted trading price on the grant date resulting in prepaid consulting expense of $27,400 and was amortized over the three-month agreement term.

Treasury Stock

In August 2016, the Company's Board of Directors approved a new class of Preferred Stock, "Series A" (see Note 13). For shareholders who invested in previous private placements, the Company was offering on a case by case basis, the ability to convert the existing amount invested into an equivalent amount in the Series A on the condition that they invest an equivalent additional amount in the Series A. As of December, 2016, four of the company's shareholders sold 3,280 of their common shares back to the Company in exchange for Series A preferred stock valued at $148,000.

Conversion of Debt

On March 31, 2015, Duos Ventures LLC converted $1,415,546 of convertible debentures which included $7,176 accrued interest into 63,194 shares of common stock as a result of the closing of a reverse merger with Information Systems Associate, Inc. (ISA). The conversion was priced at a 20% discount from the ISA closing price on March 31, 2015 of $28.00 for a net conversion price of $22.40 per share in accordance with the original terms of the convertible debentures. As a result of this conversion, $37,120 of accrued debt premium relating to the 3% provision was reclassified to equity and a $352,093 interest expense was recognized and recorded as a debt premium on March 31, 2015 pursuant to the resolution of the contingency under ASC 480 and then reclassified to equity.

Reverse Merger

On April 1, 2015, the Company completed a reverse triangular merger, pursuant to an Agreement and Plan of Merger (the "Merger Agreement") among the Company ("Duos"), Information Systems Associates, Inc. (ISA), a publicly traded company, and Duos Acquisition Corporation, a Florida corporation and wholly owned subsidiary of ISA ("Merger Sub"). Under the terms of the Merger Agreement, Merger Sub merged with and into Duos, with Duos remaining as the surviving corporation and a wholly-owned subsidiary of ISA (the "Merger"). The Merger was effective as of April 1, 2015, upon the filing of a copy of the Merger Agreement and articles of merger with the Secretary of State of the State of Florida (the "Effective Time"). As part of the merger agreement, ISA confirmed to Duos executives that its stockholders would receive 1,714,286 common shares of ISA. The Company intends to carry on Duos' business as a line of business following the Merger. The Company also intends to continue ISA's existing operations through its existing wholly owned subsidiary, TrueVue 360, Inc. Duos made the decision to become a public company to give it broader access to the public financial markets to support its growth goals. The objective was to streamline the merger process by finding a clean, operating entity with no "toxic" debt and that was not and had never been a shell company.

The Merger was accounted for as a reverse merger using the acquisition method under ASC 805-40 with the Company (then named "Information Systems Associates, Inc.") deemed to be the acquired company for accounting purposes. This determination is based on then duostech shareholders obtaining an approximate 98% voting control as well as management and Board control of the combined entity. Accordingly, the assets and liabilities and historical operations that are reflected in the consolidated financial statements after the merger are those of duostech stated at historical cost and the assets and liabilities of ISA were recorded at their fair values at the merger date. The results of operations of ISA are only consolidated with the results of operations starting on the merger date. An analysis of duostech established a total enterprise valuation of $19,350,000 using a relative values approach. At the time of the merger, it was estimated that the Company shareholders would own approximately 2% of the outstanding stock after issuance of 1,714,286 shares to duostech shareholders in connection with the Merger. This resulted in a purchase price of $393,929. The difference between the recorded historical value of assets acquired and liabilities assumed totaling $1,578,816 was allocated $165,000 for trade name and technology and a further $250,000 for existing customer relationships, both of which will be amortized over 2 years. These trade name and technology amounts are based on the value of a secured loan against the patent and software and the customer relationships is calculated based on the estimated gross margin for the next two years for certain customer relationships. The remaining $1,163,816 is allocated to Goodwill which is the expected synergies that will benefit the combined entity. Goodwill is not expected to be deductible for income tax purposes. For accounting purposes, the Company is deemed to have issued 35,625 shares of common stock to the ISA shareholders for a purchase price of $393,929.

In connection with the merger, the Company incurred acquisition costs of $36,718 in 2014 of which $16,425 is included in professional fees, $10,000 is included in salaries, wages and contract labor and $10,293 is included in general and administrative expenses on the December 31, 2014 statements of operations. In addition, the Company incurred $75,489 in 2015 of which $31,812 is included in professional fees, $35,000 is included in salaries, wages and contract labor and $8,677 is included in general and administrative expenses as of March 31, 2015.

The fair value of the assets acquired and liabilities assumed in the merger are as follows:

Assets acquired:		
Cash	$	1,347
Trade name and technology		165,000
Customer relationships		250,000
Goodwill		1,163,816
Total assets		1,580,163
Liabilities assumed:		
Accounts payable		216,461
Loans payable		748,426
Accrued expenses		35,275
Accrued salary		184,263
Deferred revenue		1,809
Total liabilities		1,186,234
Purchase price	$	393,929

The estimates of fair values and the purchase price allocation is subject to change pending the finalization of the valuation of assets acquired and liabilities assumed.

The following unaudited pro forma consolidated results of operations have been prepared as if the merger occurred on January 1, 2014:

	Three Months Ended March 31, 2015	Year Ended December 31, 2014
Net Revenues	$ 1,107,166	$ 4,603,768
Net Loss	(1,338,399)	(3,049,378)
Net Loss per Share	$ (.70)	$ (1.75)

Pro forma data does not purport to be indicative of the results that would have been obtained had these events actually occurred at the beginning of the periods presented and is not intended to be a projection of future results.

All share and per share data in the accompanying financial statements and footnotes have been retroactively reflected for the exchange. On June 30, 2015, the Company assessed the valuation of its intangible assets and goodwill acquired in the April 1, 2015 merger and determined to charge $1,578,816 to operations as a loss on impairment.

NOTE 15 – COMMON STOCK PURCHASE WARRANTS

Warrants

The following is a summary of activity for warrants to purchase common stock for the year ended December 31, 2016:

	December 31, 2016		
	Number of Warrants	Weighted Avg. Exercise Price	Remaining Contractual Life (Years)
Outstanding at the beginning of the year	17,410	$ 18.90	4.5
Warrants expired, forfeited or cancelled	(8,778)	14.35	
Warrants issued with debt, debt modifications or services	210,282	8.05	4.6
Warrants exchanged for common stock	(150)	233.45	
Outstanding at end of period	218,764	8.40	4.6
Exercisable at end of period	218,764	$ 8.40	4.6

On April 1, 2016, the Company issued a warrant exercisable into 71,429 shares with a term of five years and exercise price of $12.25 per share in conjunction with a Securities Purchase Agreement. The Warrants also contain certain anti-dilution provisions that apply in connection with any stock split, stock dividend, stock combination, recapitalization or similar transactions as well as a potential adjustment to the exercise price based on certain events. The relative fair value of the warrants of $466,031 was recorded as a debt discount and additional paid in capital and will be amortized to interest expense over the term of the debt.

On April 1, 2016, the Company issued three-year warrants for 5,714 common shares with an exercise price of $14.00 to the placement agent as additional compensation for arrangement of financing through the Securities Purchase Agreement. The fair value of the warrants of $43,272 was recorded as a discount and will be amortized to interest expense over the term of the debt.

In the first quarter of 2016, 150 warrants were exchanged for 60 common shares resulting in a loss on exchange of $630 charged to operations. During the same period, 43 warrants expired.

In the second quarter of 2016, 107 warrants expired.

During 2016, an additional 133,140 warrants were issued with the Securities Purchase Agreements and the amended Placement Agent Agreements. In December of 2016, 8,628 warrants were cancelled.

NOTE 16 – DERIVATIVE FINANCIAL INSTRUMENTS

The Company applies the provisions of ASC Topic 815-40, Contracts in Entity's Own Equity ("ASC Topic 815-40"), under which convertible instruments and warrants, which contain terms that protect holders from declines in the stock price (reset provisions), may not be exempt from derivative accounting treatment. As a result, the warrants are initially recorded as a liability at fair value and are revalued at fair value at each reporting date. During the year ended December 31, 2016, the company issued 124,511 warrants in connection with a debt financing of $605,263. The warrants are for a five-year term, are exercisable initially at $5.25 per share and carry a re-pricing feature in the event that the stock price declines prior to repayment of the underlying debt instrument. The warrants were valued on the issuance date at $746,980, of which $529,000 was recorded as a debt discount and $217,980 was charged to derivative gain (loss).

The Company calculated the estimated fair values of the liabilities for warrant derivative instruments at December 31, 2016 and at the warrant issuance date of December 20, 2016 with the Black Scholes Pricing Model ("BSM") option pricing model and Monte Carlo simulations using the closing price of the Company's common stock of $1.33 and the ranges for volatility, expected term and risk free interest indicated below that follows (BSM inputs only). The Monte Carlo simulations were used to determine a range of expected volatilities and the implied volatility used was determined with a correlation to the highest probability results from that simulation. Thus, for the year ended December 31, 2016, the Company recognized a loss from the change in derivative liability of $46,119 in warrant derivative gain (loss) related to the warrant derivative instruments.

Warrants	**BSM Inputs**	
	As of December 20, 2016	**As of December 31, 2016**
Expected Volatility	144%	144%
Expected Remaining Term	5.00 years	4.97 years
Risk Free Interest Rate	2.04%	2.04%

NOTE 17 – FAIR VALUE MEASUREMENTS

We currently measure and report at fair value the liability for warrant derivative instruments. The fair value liabilities for price adjustable warrants have been recorded as determined utilizing the BSM option pricing model and Monte Carlo simulations (see Note 16). The following tables summarize our financial assets and liabilities measured at fair value on a recurring basis as of December 31, 2016:

	Balance at December 31, 2016	**Quoted Prices in Active Markets for Identical Assets (Level 1)**	**Significant Other Observable Inputs (Level 2)**	**Significant Unobservable Inputs (Level 3)**
Liabilities:				
Fair value of liability for warrant derivative instruments	$ 793,099	$ —	$ —	$ 793,099

The following is a roll forward through December 31, 2016 of the fair value liability of warrant derivative instruments:

	Fair Value of Liability for Warrant Derivative Instruments
Balance at December 31, 2015	$ —
Initial fair value of warrant liability included in expense ($217,980) and debt discount ($529,000)	746,980
Change in fair value included in other (income) expense	46,119
Balance at December 31, 2016	$ 793,099

NOTE 18 – SUBSEQUENT EVENTS

On January 19, 2017, the Company executed a settlement agreement with Greentree Financial Group resolving a pending lawsuit concerning two convertible notes (the "Notes") that were entered into in March and June of 2015. The settlement calls for payment of $150,000 due 45 days from the signing and resolves all outstanding obligations related to the Notes. Payment was made on March 7, 2017 in the amount of $150,194 and the court signed a final order of dismissal on March 24, 2017. The Company will record an additional $194 in interest expense and a gain on settlement in the amount of $53,870.

On January 20, 2017, the Company filed a 14A for a special shareholders meeting that was held on February 23, 2017. The shareholder meeting considered one action which was a planned corporate action for a reverse split of the Company's common stock. The shareholders approved the Company taking such action in an amount ranging from 1 for 5 through 1 for 500.

On January 23, 2017, the Company filed an S-1 registration statement for an equity offering of $10M.

On January 25, 2017, the Company borrowed an additional $157,895 and received a net amount of $130,500 representing the second draw against the Promissory Note agreement with JMJ Financial. Warrants in the amount of 30,075 were issued as per the agreement.

On February 8, 2017, the Company borrowed an additional $105,263 and received a net amount of $87,000 representing the third draw against the Promissory Note agreement with JMJ Financial Warrants in the amount of 20,050 were issued as per the agreement.

On or about February 15, 2017, the Company received a Notice of Filing of Complaint of Discrimination filed by an employee that had been released for insubordination. The Company feels that after the initial investigation is completed by the Florida Commission on Human Relations, there will be no action taken against the Company.

On February 27, 2017, the Company borrowed an additional $263,158 and received a net amount of $217,500 representing the fourth draw against the Promissory Note agreement with JMJ Financial. Warrants in the amount of 50,125 were issued as per the agreement.

On March 6, 2017, the Company borrowed an additional $157,895 and received a net amount of $130,500 representing the fifth draw against the Promissory Note agreement with JMJ Financial. Warrants in the amount of 30,075 were issued as per the agreement.

On March 6, 2017, the Company filed a request with FINRA to perform a reverse split in the amount of 1 for 35. The Company will decide an effective date after approval from FINRA.

On March 7, 2017, the Company made a final payment in the amount of $6,325 to settle an outstanding matter with FacilityTeam and the matter is now considered paid in full and closed.

On March 14, 2017, the Company borrowed an additional $263,158 and received a net amount of $217,500 representing the sixth draw against the Promissory Note agreement with JMJ Financial. Warrants in the amount of 50,125 were issued as per the agreement.

Reverse stock split

On April 26, 2017, the Company filed an Amendment to the Articles of Incorporation to effectuate a reverse split of the Company's issued and outstanding common stock at an exchange ratio of 1-for-35. The reverse stock split was effective as of May 1, 2017. All share and per share data in the accompanying consolidated financial statements and footnotes has been retroactively restated to reflect the effects of the reverse stock split.

Amendment to $2,500,000 Promissory Note

On May 15, 2017, the Company was obligated to repay the principal due to a lender on a bridge loan totaling $1,627,632. On May 22, 2017, the Company obtained an amendment #1 to the Securities Purchase Agreement ("SPA") and the $2,500,000 Promissory Note ("Note"). This amendment extended the original Maturity Date for the Promissory Note from May 15, 2017 to June 15, 2017 ("Extended Maturity Date") and extended the Origination Shares issuance date in the Stock Purchase Agreement from May 30, 2017 to June 15, 2017.

On June 15, 2017, the Company was obligated to repay the principal due to a lender on a bridge loan totaling $1,627,632. On July 12, 2017, the Company obtained an amendment #2 to the Securities Purchase Agreement ("SPA") and the $2,500,000 Promissory Note ("Note"). This amendment extended the original Maturity Date for the Promissory Note from June 15, 2017 to July 31, 2017 ("Extended Maturity Date") and extended the Origination Shares issuance date in the Stock Purchase Agreement from June 15, 2017 to July 31, 2017.

The Investor conditionally waived the defaults for the Company's failure to meet the original Maturity Date of the Note and delivery date for the Origination Shares. The Investor waived any damages, fees, penalties, liquidated damages, or other amounts or remedies otherwise resulting from such defaults through the Extended Maturity Date, and such conditional waiver is conditioned on the Issuer's not being in default of and not breaching any term of the Note or the SPA or any other Transaction Document at any time subsequent to the date of the Amendment. If the Company triggers an event of default or breaches any term of the Note, the SPA, or the Transaction Documents at any time subsequent to the date of the Amendment, the Investor may issue a notice of default for the Company's failure to meet the original Maturity Date of the Note and original delivery date of the Origination Shares. (see Note 3, "Note Payable – Third Party", "Note 2")

DUOS TECHNOLOGIES GROUP, INC. AND SUBSIDIARIES
CONSOLIDATED BALANCE SHEETS

	March 31, 2017 (Unaudited)	December 31, 2016
ASSETS		
CURRENT ASSETS:		
Cash	$ 53,185	$ 174,376
Accounts receivable	524,873	256,989
Costs and estimated earnings in excess of billings on uncompleted contracts	147,639	476,673
Prepaid expenses and other current assets	201,618	135,964
Total Current Assets	927,315	1,044,002
Property and equipment, net	71,940	66,491
OTHER ASSETS:		
Patents and trademarks, net	50,049	51,423
Total Other Assets	50,049	51,423
TOTAL ASSETS	$ 1,049,304	$ 1,161,916
LIABILITIES AND STOCKHOLDERS' DEFICIT		
CURRENT LIABILITIES:		
Accounts payable	$ 897,607	$ 842,787
Accounts payable - related parties	41,544	40,136
Commercial insurance/office equipment financing	147,701	46,368
Notes payable - related parties	518,136	577,716
Notes payable, net of discounts	798,756	87,210
Convertible notes payable, including premiums	—	193,950
Warrant derivative liability	2,203,487	793,099
Line of credit	36,452	38,019
Payroll taxes payable	703,532	444,476
Accrued expenses	1,249,641	1,218,105
Billings in excess of costs and estimated earnings on uncompleted contracts	221,128	219,625
Deferred revenue	413,974	675,171
Total Current Liabilities	7,231,958	5,176,662
Notes payable - related party	45,968	—
Notes payable, net of discounts	1,272,464	1,206,522
Total Liabilities	8,550,390	6,383,184
Series A redeemable convertible cumulative preferred stock, $10 stated value per share, 500,000 shares designated, 29,600 shares issued and outstanding at March 31, 2017 and December 31, 2016 ($307,840 and $301,920 liquidation value at March 31, 2017 and December 31, 2016, respectively)	307,840	301,920
Commitments and Contingencies (Note 5)		
STOCKHOLDERS' DEFICIT:		
Preferred stock, $0.001 par value, 10,000,000 authorized, 9,500,000 available to be issued	—	—
Common stock: $0.001 par value; 500,000,000 shares authorized 1,894,923 and 1,892,020 shares issued and outstanding at March 31, 2017 and December 31, 2016, respectively	1,895	1,892
Additional paid-in capital	18,156,627	18,141,629
Total paid-in-capital	18,158,522	18,143,521
Accumulated deficit	(25,819,448)	(23,518,709)
Sub-total	(7,660,926)	(5,375,188)
Less: Treasury stock (3,280 shares of common stock)	(148,000)	(148,000)
Total Stockholders' Deficit	(7,808,926)	(5,523,188)
Total Liabilities and Stockholders' Deficit	$ 1,049,304	$ 1,161,916

See accompanying condensed notes to the unaudited consolidated financial statements.

DUOS TECHNOLOGIES GROUP, INC. AND SUBSIDIARIES
CONSOLIDATED STATEMENTS OF OPERATIONS
(Unaudited)

	March 31,	
	2017	**2016**
REVENUES:		
Project	$ 360,487	$ 229,123
Maintenance and technical support	315,327	607,879
IT asset management services	359,916	167,241
Total Revenues	1,035,730	1,004,243
COST OF REVENUES:		
Project	346,128	141,078
Maintenance and technical support	147,402	267,581
IT asset management services	137,858	77,758
Total Cost of Revenues	631,388	486,417
GROSS PROFIT	404,342	517,826
OPERATING EXPENSES:		
Selling and marketing expenses	68,747	86,040
Salaries, wages and contract labor	735,602	886,167
Research and development	87,617	55,487
Professional fees	120,153	77,229
General and administrative expenses	247,988	180,285
Total Operating Expenses	1,260,107	1,285,208
LOSS FROM OPERATIONS	(855,765)	(767,382)
OTHER INCOME (EXPENSES):		
Interest Expense	(921,314)	(72,305)
Gain on settlement of debt	64,647	—
Loss on change in fair value of warrant liability	(582,388)	—
Other income, net	1	1,306
Total Other Income (Expense)	(1,439,054)	(70,999)
NET LOSS	(2,294,819)	(838,381)
Series A preferred stock dividends	(5,920)	—
Net loss applicable to common stock	$ (2,300,739)	$ (838,381)
NET LOSS APPLICABLE TO COMMON STOCK PER COMMON SHARE:		
Basic & Diluted	$ (1.21)	$ (0.45)
WEIGHTED AVERAGE COMMON SHARES OUTSTANDING:		
Basic & Diluted	1,894,171	1,875,881

See accompanying condensed notes to the unaudited consolidated financial statements.

DUOS TECHNOLOGIES GROUP, INC. AND SUBSIDIARIES
CONSOLIDATED STATEMENTS OF CASH FLOWS
(Unaudited)

	For the Three Months Ended March 31,	
	2017	**2016**
Cash from operating activities:		
Net loss	$ (2,294,819)	$ (838,381)
Adjustments to reconcile net loss to net cash used in operating activities:		
Depreciation and amortization	12,191	12,099
Gain on settlement of debt	(64,647)	—
Stock issued for services	15,000	95,036
Interest expense related to debt discounts of notes payable	844,988	—
Amortization of stock based prepaid consulting fees	—	198,068
Loss related to warrants exchanged for stock	—	630
Warrant derivative loss	582,388	—
Changes in assets and liabilities:		
Accounts receivable	(267,885)	314,797
Costs and estimated earnings on uncompleted contracts	329,034	(13,175)
Prepaid expenses and other current assets	61,968	(45,336)
Accounts payable	53,253	118,522
Accounts payable-related party	1,408	11,135
Payroll taxes payable	259,056	160,153
Accrued expenses	52,233	77,114
Billings in excess of costs and earnings on uncompleted contracts	1,503	116,984
Deferred revenue	(261,197)	(298,890)
Net cash used in operating activities	(675,526)	(91,245)
Cash flows from investing activities:		
Purchase of patents/trademarks	—	(70)
Purchase of fixed assets	(16,266)	(19,029)
Net cash used in investing activities	(16,266)	(19,099)
Cash flows from financing activities:		
Bank overdraft	—	3,604
Proceeds from related party notes	(13,612)	50,000
Repayments of related party notes	—	(41,178)
Repayments of insurance and equipment financing	(26,287)	(34,461)
Repayments of notes payable	(172,500)	(7,500)
Proceeds of notes payable, net of $117,000 cash fees	783,000	—
Net cash (used in) provided by financing activities	570,601	(29,535)
Net decrease in cash	(121,191)	(139,879)
Cash, beginning of period	174,376	140,129
Cash, end of period	53,185	250
Supplemental Disclosure of Cash Flow Information:		
Interest paid	$ 45,334	$ 5,969
Taxes paid	$ —	$ —
Supplemental Non-Cash Investing and Financing Activities:		
Common stock issued for prepaid consulting services	$ —	$ 273,600
Accrued interest forgiven related to note payable settlement	$ 20,697	$ —
Debt discount related to notes payable	$ 992,369	$ —
Note issued for financing of insurance premiums	$ 127,620	$ 123,580

See accompanying condensed notes to the unaudited consolidated financial statements.

DUOS TECHNOLOGIES GROUP, INC. AND SUBSIDIARIES
CONDENSED NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS
March 31, 2017
(Unaudited)

NOTE 1 – NATURE OF OPERATIONS, BASIS OF PRESENTATION AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Nature of Operations

Duos Technologies Group, Inc. ("Company"), through its operating subsidiary "Duos Technologies, Inc. ("duostech") is primarily engaged in the design and deployment of state-of-the-art, artificial intelligence driven intelligent technologies systems. duostech converges traditional security measures with information technologies to create "actionable intelligence." duostech's IP is built upon two of its core technology platforms (praesidium® and centraco®), both distributed as licensed software suites, and natively embedded within engineered turnkey systems. praesidium® is a modular suite of analytics applications which process and simultaneously analyze data streams from a virtually unlimited number of conventional sensors and/or data points. Native algorithms compare analyzed data against user-defined criteria and rules in real time and automatically report any exceptions, deviations and/or anomalies. This application suite also includes a broad range of conventional operational system components and sub-systems, including an embedded feature-rich video management engine and a proprietary Alarm Management Service (AMS). This unique service provides continuous monitoring of all connected devices, processes, equipment and sub-systems, and automatically communicates to the front end-user interface, if and when an issue, event or performance anomalies are detected. centraco® is a comprehensive user interface that includes the functionalities of a Physical Security Information Management (PSIM) system as well as those of an Enterprise Information System (EIS). This multi-layered interface can be securely installed as a stand-alone application suite inside a local area network or pushed outside a wide area network using the same browser-based interface. It leverages industry standards for data security, access, and encryption as appropriate. The platform also operates as a cloud-hosted solution.

The Company's strategy includes expansion of its technology base through organic development efforts, strategic partnerships, and growth through strategic acquisitions. duostech's primary target industry sectors include transportation, with emphasis on freight and transit railroad owners/operators, petro-chemical, utilities and healthcare.

As reported previously, Duos Technologies Group, Inc. is the result of the reverse merger between duostech and a wholly owned subsidiary of Information Systems Associates, Inc., a Florida corporation ("ISA"), which became effective as of April 1, 2015 and as a result of which duostech became a wholly owned subsidiary of the merged entity. The merger was followed by a corporate name change to Duos Technologies Group, Inc., a symbol change from IOSA to DUOT and up-listing from OTC Pink to OTCQB.

ISA's original business of IT Asset Management (ITAM) services for large data centers is now operated as a division of the Company that continues its sales efforts through large strategic partners. ISA developed a methodology for the efficient data collection of assets contained within large data centers and was awarded a patent in 2010 for specific methods to collect and audit data.

Basis of Presentation

The accompanying unaudited condensed consolidated financial statements have been prepared in accordance with U.S. generally accepted accounting principles ("GAAP") for interim financial information and with the instructions to Form 10-Q and Article 8 of Regulation S-X. Accordingly, they do not include all of the information and footnotes required by U.S. GAAP for complete financial statements. In the opinion of management, all adjustments (all of which are of a normal recurring nature) considered necessary for a fair presentation have been included. Operating results for the three months ended March 31, 2017 are not indicative of the results that may be expected for the year ending December 31, 2017 or for any other future period. These unaudited consolidated financial statements and the unaudited condensed notes thereto should be read in conjunction with the audited consolidated financial statements and notes thereto included in the Company's Annual Report on Form 10-K for the year ended December 31, 2016 filed with the Securities and Exchange Commission (the "SEC") on March 30, 2017.

All share and per share amounts have been presented to give retroactive effect to a 1 for 35 reverse-stock split that occurred in May 2017.

Principles of Consolidation

The consolidated financial statements include the accounts of the Company and its wholly-owned subsidiaries, duostech and TrueVue 360, Inc. All inter-company transactions and balances are eliminated in consolidation.

Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosures of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results may differ from these estimates. The most significant estimates in the accompanying unaudited consolidated financial statements include the allowance on accounts receivable, valuation of deferred tax assets, valuation of assets acquired and liabilities assumed in business combinations, valuation of intangible and other long-lived assets, estimates of percentage completion on projects and related revenues, valuation of stock-based compensation, valuation of derivatives, valuation of warrants issued with debt, valuation of beneficial conversion features in convertible debt, valuation of stock-based awards and valuation of loss contingencies. We base our estimates on historical experience and on various other assumptions that we believe are reasonable under the circumstances, the results of which form the basis for making judgments about the carrying values of assets and liabilities that are not readily apparent from other sources. Actual results may differ from these estimates.

Concentrations

Cash Concentrations

Cash is maintained at financial institutions and at times, balances may exceed federally insured limits. We have not experienced any losses related to these balances. There were no amounts on deposit in excess of federally insured limits at March 31, 2017.

Significant Customers and Concentration of Credit Risk

Major Customers and Accounts Receivable

The Company had certain customers whose revenue individually represented 10% or more of the Company's total revenue, or whose accounts receivable balances individually represented 10% or more of the Company's total accounts receivable, as follows:

For the three months ended March 31, 2017, three customers accounted for 35%, 22% and 12% of revenues. For the three months ended March 31, 2016, three customers accounted for 37%, 26% and 17% of revenues.

At March 31, 2017, five customers accounted for 31%, 24%, 19%, 12% and 12% of accounts receivable. At December 31, 2016, three customers accounted for 50%, 26% and 14% of accounts receivable.

Geographic Concentration

Approximately 9.33% is generated from customers outside of the United States.

Derivative Instruments

ASC Topic 815, *Derivatives and Hedging* ("ASC Topic 815"), establishes accounting and reporting standards for derivative instruments and for hedging activities by requiring that all derivatives be recognized in the balance sheet and measured at fair value. Gains or losses resulting from changes in the fair value of derivatives are recognized in earnings or recorded in other comprehensive income (loss) depending on the purpose of the derivatives and whether they qualify and have been designated for hedge accounting treatment. The Company uses a Monte Carlo based simulation model to compute the fair value of its embedded derivative instruments. Some of the more significant inputs to our fair value model that, if changed, might produce a significantly higher or lower fair value measurement of the Company's derivative liabilities include the expected volatility, expected term and the stock price on the valuation date.

Fair Value of Financial Instruments and Fair Value Measurements

We measure our financial assets and liabilities in accordance with generally accepted accounting principles. For certain of our financial instruments, including cash and cash equivalents, accounts receivable, accounts payable and accrued liabilities, the carrying amounts approximate fair value due to their short maturities. Amounts recorded for notes payable, net of discount, and loans payable also approximate fair value because current interest rates available to us for debt with similar terms and maturities are substantially the same.

We follow accounting guidance for financial assets and liabilities. This standard defines fair value, provides guidance for measuring fair value and requires certain disclosures. This standard does not require any new fair value measurements, but rather applies to all other accounting pronouncements that require or permit fair value measurements. This guidance does not apply to measurements related to share-based payments. This guidance discusses valuation techniques, such as the market approach (comparable market prices), the income approach (present value of future income or cash flow), and the cost approach (cost to replace the service capacity of an asset or replacement cost).

The guidance utilizes a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value into three broad levels. The following is a brief description of those three levels:

Level 1: Observable inputs such as quoted prices (unadjusted) in active markets for identical assets or liabilities.

Level 2: Inputs, other than quoted prices that are observable, either directly or indirectly. These include quoted prices for similar assets or liabilities in active markets and quoted prices for identical or similar assets or liabilities in markets that are not active.

Level 3: Unobservable inputs in which little or no market data exists, therefore developed using estimates and assumptions developed by us, which reflect those that a market participant would use.

The estimated fair value of certain financial instruments, including accounts receivable and accounts payable are carried at historical cost basis, which approximates their fair values because of the short-term nature of these instruments. The cost basis of notes and convertible debentures approximates fair value due to the market interest rates carried for these instruments.

Earnings (Loss) Per Share

Basic earnings per share (EPS) are computed by dividing net loss applicable to common stock by the weighted average number of common shares outstanding. Diluted net loss per common share is computed by dividing the net loss applicable to common stock by the weighted average number of common shares outstanding for the period and, if dilutive, potential common shares outstanding during the period. Potential common shares consist of the incremental common shares issuable upon the exercise of stock options, stock warrants, convertible debt instruments, convertible preferred stock or other common stock equivalents. Potentially dilutive securities are excluded from the computation if their effect is anti-dilutive. At March 31, 2017, outstanding warrants to purchase an aggregate of 413,277 shares of common stock and at March 31, 2017, 48,863 shares issuable upon conversion of Series A preferred stock were excluded from the computation of dilutive earnings per share because the inclusion would have been anti-dilutive.

Segment Information

The Company operates in one reportable segment.

Recent Issued Accounting Standards

In August 2015, the Financial Accounting Standards Board (FASB) issued Accounting Standards Update (ASU) 2015-14 Revenue from Contracts with Customers. The ASU defers the effective date of previously issued ASU 2014-09 (the new revenue recognition standard) by one year for both public and private companies. The ASU requires public entities to apply the new revenue recognition guidance for annual reporting periods beginning after December 15, 2017, and interim reporting periods within annual reporting periods beginning after December 15, 2017. Both public and nonpublic entities will be permitted to apply the new revenue recognition standard as of the original effective date for public entities (annual periods beginning after December 15, 2016). The Company plans to adopt this standard for their fiscal year beginning January 1, 2018. The Company is in the process of analyzing the impacts of this ASU, but does not believe it will have a material impact on its consolidated financial statements.

In February 2016, the Financial Accounting Standards Board issued Accounting Standards Update No. 2016-02: "Leases (Topic 842)" whereby lessees will need to recognize almost all leases on their balance sheet as a right of use asset and a lease liability. This guidance is effective for interim and annual reporting periods beginning after December 15, 2018. The Company does not expect this ASU to have a material impact on its consolidated financial statements.

In March 2016, the FASB issued Accounting Standards Update No. 2016-09: *"Compensation – Stock Compensation (Topic 718)-I*mprovements to Employee Share-Based Payment Accounting" which includes multiple provisions intended to simplify various aspects of the accounting for share-based payments. This guidance is effective for interim and annual reporting periods beginning after December 15, 2016. The Company is in the process of analyzing the impacts of this ASU, but does not believe it will have a material impact on its consolidated financial statements.

NOTE 2 – GOING CONCERN

As reflected in the accompanying unaudited consolidated financial statements, the Company had a net loss of $2,294,819 for the three months ended March 31, 2017. During the same period, cash used in operating activities was $675,526. The working capital deficit, stockholders' deficit and accumulated deficit as of March 31, 2017 were $6,304,643, $7,808,926 and $25,819,448. In addition, the Company defaulted on a promissory note in February 2017 (see Note 3). Management believes that these matters raise substantial doubt about the Company's ability to continue as a going concern.

The ability of the Company to continue as a going concern is dependent on the Company's ability to further implement its business plan, raise additional capital and become profitable. Management embarked on a business growth strategy in 2014 to engage with private companies in or related to its market space with the intention of a merger or acquisition. In April 2015, the Company completed a reverse triangular merger whereby duostech became a wholly owned subsidiary of the Company. The two companies are now integrated and the merged company continues to grow its business in all of the markets where they have previously operated.

On December 20, 2016, the Company signed a Securities Purchase Agreement and Promissory Note in the aggregate principal amount of up to $2,500,000 of which $575,000 was remitted by the investor upon signing. The Company can draw further amounts upon achieving certain milestones related to a planned registered raise of at least $10M. At March 31, 2017, the Company has achieved the scheduled milestones and received the second through sixth draws on January 25, 2017, February 8, 2017, February 27, 2017, March 6, 2017 and March 14, 2017 in the amounts of $150,000, $100,000, $250,000, $150,000 and $250,000, respectively. Concurrently, the Company signed an investment banking engagement for the purposes of raising sufficient capital, expected to be $13.3M, to fund the Company's working capital deficit, provide sufficient funding to further the Company's growth objectives and qualify to be listed on a national stock exchange. (see Note 3)

While no assurance can be provided, management believes that these actions provide the opportunity for the Company to continue as a going concern and to grow its business and achieve profitability. Ultimately however, the continuation of the Company as a going concern is dependent upon the ability of the Company to execute the plan described above, generate sufficient revenue and to attain profitable operations. These unaudited consolidated financial statements do not include any adjustments related to the recoverability and classification of recorded asset amounts and classification of liabilities that might be necessary should the Company be unable to continue as a going concern.

NOTE 3 – DEBT

Notes Payable - Financing Agreements

The Company's notes payable relating to financing agreements classified as current liabilities consist of the following as of:

	March 31, 2017		December 31, 2016	
Notes Payable	Principal	Interest	Principal	Interest
Third Party - Insurance Note 1	$ 15,117	10.30%	$ 25,075	9.75%
Third Party - Insurance Note 2	4,964	10.00%	9,861	10.00%
Third Party - Insurance Note 3	127,620	8.30%	—	8.05%
Third Party - Insurance Note 4	—	9.24%	11,432	9.24%
Total	$ 147,701		$ 46,368	

The Company entered into an agreement on December 23, 2016 with its insurance provider by executing a $25,075 note payable (Insurance Note 1) issued to purchase an insurance policy, secured by that policy with an annual interest rate of 10.30% payable in monthly installments of principal and interest totaling $2,234 through October 23, 2017. The note balance as of March 31, 2017 and December 31, 2016 was $15,117 and $25,075, respectively.

The Company entered into an agreement on September 15, 2016 with its insurance provider by executing a $19,065 note payable (Insurance Note 2) issued to purchase an insurance policy, secured by that policy, with an annual interest rate of 10.00% payable in monthly installments of principal and interest totaling $1,702 through June 30, 2017. At March 31, 2017 and December 31, 2016, the note payable balance was $4,964 and $9,861, respectively.

The Company entered into an agreement on February 3, 2017 with its insurance provider by executing a $127,620 note payable (Insurance Note 3) issued to purchase an insurance policy, secured by that policy with an annual interest rate of 8.30% payable in monthly installments of principal and interest totaling $13,252 through December 31, 2017. At March 31, 2017 and December 31, 2016, the note payable balance was $127,620 and zero, respectively.

The Company entered into an agreement on April 1, 2016 with its insurance provider by executing a $65,000 note payable (Insurance Note 4) issued to purchase an insurance policy, secured by that policy with an annual interest rate of 9.24% payable in monthly installments of principal and interest totaling $5,782 through February 1, 2017. At March 31, 2017 and December 31, 2016, the note payable balance was zero and $11,432, respectively. The insurance policy was renewed on April 1, 2017 with a note payable in the amount $49,000 with an annual interest rate of 10% payable in monthly installments of principal and interest totaling $12,000 through February 1, 2018.

Notes Payable - Related Parties

The Company's notes payable to related parties classified as current liabilities consist of the following as of:

	March 31, 2017		December 31, 2016	
Notes Payable	Principal	Interest	Principal	Interest
Shareholder	$ 65,000	9%	$ 65,000	9%
Related party	13,369	8%	13,369	8%
Related party	2,100	—	10,504	—
Related party	56,500	8%	56,500	8%
Related Party	—	—	3,170	—
Related Party	8,431	8%	8,431	8%
CFO	31,973	8%	31,973	8%
Shareholder	226,936	6%	226,936	6%
CEO	8,608	8%	56,614	8%
Shareholder	105,219	8%	105,219	8%
Sub-total	564,104		577,716	
Less long-term portion-CEO	45,968		—	
Total	$ 518,136		$ 577,716	

On May 28, 2008, a shareholder who is indirectly invested in the Company with the Chief Executive Officer (CEO) through another entity, loaned the Company the sum of $65,000 accruing interest at 9% per annum. There was an accrued interest balance of $50,693 and $49,231 as of March 31, 2017 and December 31, 2016, respectively. The note was repayable on or before September 15, 2008 although no demand for repayment has been received from the holder. There is no formal written agreement and the terms are documented on a letter from a former Chief Financial Officer (CFO) of the Company. The terms contain no default clauses and as of the time of this report, no demand for repayment has been made or expected. The Company intends to either negotiate a conversion to common stock or to repay the loan when sufficient working capital permits such action.

Upon the consummation of the merger on April 1, 2015, the Company assumed an Original Issue Discount (OID) promissory note with a remaining principal balance of $15,000 accruing interest at 18% per annum. On November 30, 2015, there was an outstanding principal balance of $15,000 and an accrued interest balance of $2,651 in which the promissory note was restructured into a note due on or before December 15, 2016 for a total of $17,651 principal balance, accruing interest at 8% per annum and monthly payments of $1,535 commencing January 15, 2016. The Company made payments during the first quarter of 2016 in the amount of $4,282 and will resume payments in the second quarter of 2017. As of March 31, 2017, the loan had an outstanding amount of $13,369 and there was an accrued interest balance of $1,070.

Upon the consummation of the merger on April 1, 2015, the Company assumed two promissory notes due to an entity which had previously extended credit on a revolving basis for working capital. The total principal balance was $212,693 at the time of the merger and carried total interest and extension fees of 30% per annum. On September 30, 2015, the note and accrued interest for a total of $275,660 was exchanged for 1,002,401 common shares. The Company recorded a loss on settlement in the amount of $115,139. The same lender had extended further credit to the Company's TrueVue360 subsidiary which on September 30, 2015 had a principal balance of $28,040 and accrued interest balance of $9,777 totaling $37,817. The note can be extended each time for a further 30 days on payment of a 1% extension fee in addition to the 1.5% interest cost which can be accrued. The Company agreed to convert this note to an 18-month term loan with 0% interest and monthly payments of $2,100 starting November 1, 2015. The Company also issued 14,321 five-year warrants with a strike price of $9.80 as consideration for the conversion of the larger note and the zero-interest feature of the extended payment plan. As of March 31, 2017 and December 31, 2016, the balance was $2,100 and $10,504, respectively.

On December 12, 2013, the wife of the CEO loaned the Company the sum of $10,000 at an annual percentage rate of 8%. On January 29, 2015, March 3, 2015 and September 30, 2015 the wife of the CEO loaned the Company an additional $12,000, $5,000 and $9,500 respectively. On January 24, 2016, an additional $20,000 was loaned to the Company. The total principal due at March 31, 2017 and December 31, 2016 was $56,500 and $56,500, respectively. There was accrued interest balance of $8,604 and $7,474 as of March 31, 2017 and December 31, 2016, respectively. The note is repayable on demand of the holder. As of the time of this report, no such demand has been made.

Upon the consummation of the merger on April 1, 2015, the Company assumed a promissory note with a remaining principal balance of $30,378 due to the former CEO of ISA. These amounts are non-interest bearing and are due on demand. The Company pays these loans as sufficient funds become available. At March 31, 2017 and December 31, 2016, the loan had an outstanding balance of zero and $3,170, respectively.

Upon the consummation of the merger on April 1, 2015, the Company assumed an OID promissory note with a remaining principal and accrued interest balance of $10,593. During the third quarter of 2015, interest payments of $1,500 were paid. At November 30, 2015, the principal balance of the note was $10,000, and an accrued interest balance of $1,131 at a rate of 30% per annum was restructured into a note due on or before December 15, 2016 for a total of $11,131 principal balance, accruing interest at 8% per annum and monthly payments of $968 commencing January 15, 2016. The Company made payments during the first quarter of 2016 in the amount of $2,700 and plans to resume payments in the second quarter of 2017. At March 31, 2017, the loan had an outstanding balance of $8,431 and there was an accrued interest balance of $674 at March 31, 2017.

Upon the consummation of the merger on April 1, 2015, the Company assumed two promissory notes with a total principal balance of $8,783 due to the Company's CFO. During the second quarter of 2015, the CFO loaned the Company an additional $365 and the Company made payments to the CFO during the same period in the amount of $1,307. These advances do not incur any interest and will be paid by the Company when sufficient funds are available. On January 28, 2016, the CFO loaned the Company $30,000, accruing interest at 8% per annum which is repayable by the Company when sufficient funds are available. At March 31, 2017, the outstanding loan balance was $31,973 and there was an accrued interest balance of $2,820 at March 31, 2017.

On April 8, 2015, the Company received a $310,000 loan from a related party principal shareholder. The note accrues interest at the rate of 6% per annum and was repayable on or before October 31, 2015. There was accrued interest balance of $8,616 as of September 30, 2015. The Company and shareholder have agreed to replace the note with a new note in the amount of $320,166, which includes principal and accrued interest through October 31, 2015. Repayment shall occur with eleven monthly payments of $27,750 plus one final payment of $27,006.63 (including interest of 6%) beginning on or before December 31, 2015. As of March 31, 2017, the Company is twelve payments in arrears and the outstanding balance was $226,936.

On July 19, 2016, the Company received a $60,000 loan less fees of $75 for a related party loan with proceeds of $59,925 from the Company's CEO. The promissory note carries an annual interest rate of 7.99% with a monthly installment payment of $1,052 through July 19, 2022. As of March 31, 2017 and December 31, 2016, the outstanding balance was $54,576 and $56,614, respectively.

On August 11, 2016, the Company received an $111,645 loan from a related party principal shareholder. The note accrues interest at the rate of 8% per annum and is repayable on or before February 11, 2017. As of March 31, 2017, the outstanding balance was $105,219. The note is currently in technical default. However, as of the time of this report, the lender has agreed not to pursue any default remedies and has informally agreed to work with us until such time as the note can be repaid.

Notes Payable

	March 31, 2017		December 31, 2016	
Payable To	Principal	Interest	Principal	Interest
Shareholder	$ 19,108	—	$ 19,108	—
Vendor	—	—	22,500	—
Total	$ 19,108		$ 41,608	

Upon the consummation of the merger on April 1, 2015, the Company assumed a promissory note with a remaining principal balance of $19,108 due to an unrelated party investor and shareholder of the Company. The $19,108 is non-interest bearing and currently due, although the note holder has not made any demand for payment at this time.

On August 10, 2015, the Company entered into an agreement with FacilityTeam of Ontario, Canada to settle a dispute that had arisen concerning payments for software development services. The Company agreed to pay to FacilityTeam $2,500 per month starting October 1, 2015 for 24 months and, pursuant thereto, took a charge in the third quarter of 2015 for the settlement amount of $60,000. At March 31, 2017 and December 31, 2016, the outstanding balance was zero and $22,500, respectively.

Convertible Notes, Including Premiums

	March 31, 2017			December 31, 2016		
Payable To	Principal	Premium	Principal, Including Premium	Principal	Premium	Principal, Including Premium
Vendor	$ —	$ —	$ —	$ 50,000	$ 50,000	$ 100,000
Vendor	—	—	—	46,975	46,975	93,950
Total	$ —	$ —	$ —	$ 96,975	$ 96,975	$ 193,950

Upon the consummation of the merger on April 1, 2015, the Company assumed a convertible promissory note of $50,000 due to a vendor of the Company which included a premium of $50,000 relating to its treatment as stock settled debt under ASC 480. The $50,000 convertible note accrues interest at 1% per month and is convertible into the Company's common stock at a 50% discount to the average closing bid prices for the company's common stock for the five days immediately preceding the conversion date. An interest payment was made on January 11, 2016 in the amount of $3,230. The outstanding note balance at December 31, 2016 and 2015 was $50,000 and $50,000, respectively and accrued interest on December 31, 2016 and 2015 was $7,511 and $4,723, respectively. As previously disclosed, on May 23, 2016, the Company filed a lawsuit against, the holder of this note and another convertible note described below. The Company owes the principal and interest due under the notes and has sought to pay principal and interest of the note which first came due but its offer was rejected. On January 19, 2017, the Company executed a settlement agreement with this vendor resolving the pending lawsuit concerning the two convertible notes. The settlement calls for payment of $150,000 due within 45 days of execution thereof and resolves all outstanding obligations. Payment was made on March 7, 2017 and a gain on settlement of $64,647 was recorded by the Company.

Upon the consummation of the merger on April 1, 2015, the Company assumed a promissory note with a remaining principal balance of $44,325 bearing interest at 1.5% per month. The note holder gave 30-day notice to the Company on May 1, 2015 for the note to be repaid in full plus any interest due. On June 30, 2015, an Addendum to Promissory Note was executed providing that the payment of $46,975, $44,325 plus accrued interest of $2,650, in connection with the Debt Purchase Agreement represents the total settlement of the Note. Also, on June 30, 2015 a current shareholder and services provider agreed to assume the new $46,975 note with the existing terms and conditions and an addendum was signed for the assumption and making the note convertible into the Company's common stock at a 50% discount to the average price of the Company's common stock for the five trading days preceding conversion and the new Note is non-interest bearing. The addendum was treated as a debt extinguishment. The Company recorded a premium of $46,975 since the note was convertible at a fixed rate to a fixed monetary amount equal to $93,950 pursuant to ASC 480. On each of December 31, 2016 and 2015, the outstanding balance on the note was $93,950 which includes the $46,975 premium and there was accrued interest on December 31, 2016 and 2015 of $12,682 and $4,228, respectively. During the previous quarter, the new holder attempted a conversion into stock of a portion of the note. The Company determined that the conversion notice was invalid in several respects and rejected the conversion. As previously disclosed, on May 23, 2016, the Company filed a lawsuit against, the holder of this note and another convertible note described above. The Company owes the principal and interest due under the notes and has sought to pay principal and interest of the note which first came due but its offer was rejected. On January 19, 2017, the Company executed a settlement agreement with this vendor resolving the pending lawsuit concerning the two convertible notes. The settlement calls for payment of $150,000 due within 45 days of execution thereof and resolves all outstanding obligations. Payment was made on March 7, 2017.

Note Payable – Third Party

	March 31, 2017			December 31, 2016		
Payable To	Principal	Less Unamortized Discounts	Principal, Less Unamortized Discounts	Principal	Less Unamortized Discounts	Principal, Less Unamortized Discounts
Note 1-non-current	$ 1,800,000	$ 527,536	$ 1,272,464	$ 1,800,000	$ 593,478	$ 1,206,522
Note 2-current	1,552,632	772,984	779,648	605,263	559,661	45,602
Total	$ 3,352,632	$ 1,300,520	$ 2,052,112	$ 2,405,263	$ 1,153,139	$ 1,252,124

Note 1

On March 31, 2016, the Company entered into a Securities Purchase Agreement with an institutional investor, which, together with the transaction documents referenced therein, provides for the terms in the following paragraph. The Company closed the Offering on April 1, 2016.

The offering amount was $1,800,000 less a 5% original issue discount. The note is a senior debt obligation secured by substantially all assets of the Company and shares of all current and future subsidiaries as well as being guaranteed by each subsidiary but is not convertible into the Company's stock. The senior secured note also contains certain default provisions and is subject to standard covenants such as restrictions on issuing new debt. In conjunction with the note, the Company issued a warrant exercisable for 71,249 shares of common stock exercisable for five years at an exercise price of $12.25 per share. The warrants also contain certain anti-dilution provisions that apply in connection with any stock split, stock dividend, stock combination, recapitalization or similar transactions as well as a potential adjustment to the exercise price based on certain events. The relative fair value of the warrants of $466,031 was recorded as a debt discount and is being amortized to interest expense over the term of the debt. The note will mature three years from the closing date and will accrue interest at the rate of 14% per annum, payable monthly. The note will accrue additional interest at the rate of 2% per annum, compounding monthly, payable annually in arrears. The Company may choose to begin amortizing the principal at any time subject to prepayment premiums. Also, the Company agreed to an amended placement agent's fee with respect to the placement of such loan which differed from the original terms agreed with the Placement Agent as that agreement had expired (see Note 5, Placement Agency Agreement). The amendment included (a) postponement of payment of the cash fee of $5,000 to 15 days after execution of the term sheet, (b) the closing fee was fixed to $137,000 (based on a $1.8 million debt funding) and three-year warrants for 5,715 shares at an exercise price of $14 per share and valued at their fair value of $43,272. Other closing expenses totaled $40,000 plus another $10,000 of legal fees previously paid. Total cash issue costs of $192,000, the original issue discount of $90,000, the warrant relative fair value of $466,031 and warrant fair value of $43,272 were recorded as debt discounts to be amortized over the three-year term of the debt. Net proceeds were $1,518,000 after all issue costs. Additionally, at closing, certain previously recorded obligations of the Company totaling $690,110, as discussed below, were paid directly from the lender reducing the actual proceeds to the Company.

On April 1, 2016, in conjunction with the closing of the aforementioned Securities Purchase Agreement, the sum of $558,032 was remitted out of the proceeds in final settlement of the litigation with CW Electric. This amount consisted of $550,000 of the agreed settlement, which was previously accrued as of December 31, 2015, plus $8,032 of accrued interest. This represents full and final settlement of this matter, which is now closed.

On April 1, 2016, the Company directed the sum of $132,078 to be paid out of proceeds of the Securities Purchase agreement to a shareholder who held a note secured against part of the Company's assets. The payment of $125,000 in principal and $7,078 of accrued interest represents full payment of the note and the noteholder no longer holds any security against the assets.

On April 1, 2016, the Company made a payment of $142,000 (part of the $192,000 discussed above) to a placement agent as compensation for arrangement of financing through the aforementioned Securities Purchase Agreement. The payment was deducted from proceeds of that agreement. As discussed above, the Company also issued 5,715 three-year warrants with an exercise price of $14 to the agent as additional compensation. These amounts are broadly in line with the anticipated compensation agreed within the original placement agency agreement which was terminated in December, 2015.

Note 2

On December 20, 2016, the Company entered into a Securities Purchase Agreement (the "Purchase Agreement") with JMJ Financial, ("JMJ," and together with the Company, the "Parties") and borrowed an initial principal amount of $605,263 from the total available as discussed below. Pursuant to the Purchase Agreement, JMJ purchased from the Company (i) a Promissory Note in the aggregate principal amount of up to $2,500,000 (the "Note") for consideration of up to $2,350,000 net of an original issue discount of 5%, due and payable on the earlier of May 15, 2017 or the third business day after the closing of the Public Offering (as defined therein), and (ii) a Common Stock Purchase Warrant (the "Warrant") to purchase 115,289 shares of the Company's common stock ("Common Stock") at an exercise price per share equal to the lesser of (i) 80% of the per share price of the Common Stock in the Company's contemplated public offering of securities (the "Public Offering"), (ii) $5.25 per share, (iii) the lowest daily closing price of the Common Stock during the ten days prior to the Public Offering (subject to adjustment), (iv) the lowest daily closing price of the Common Stock during the ten days prior to the Maturity Date (subject to adjustment), (v) 80% of the unit price in the Public Offering (if applicable), or (vi) 80% of the exercise price of any warrants issued in the Public Offering. Additionally, pursuant to the Purchase Agreement, the Company will issue JMJ shares of Common Stock equal to 30% of the principal sum of the Note ("Origination Shares") on the 5th trading day after the pricing of the Public Offering, but in no event later than May 30, 2017. The number of Origination Shares will equal the principal sum of the Note divided by the lowest of (i) the lowest daily closing price of the Common Stock during the ten days prior to delivery of the Origination Shares or during the ten days prior to the date of the Public Offering (in each case subject to adjustment for stock splits), (ii) 80% of the commo n stock offering price of the Public Offering, (iii) 80% of the unit price offering price of the Public Offering (if applicable), or (iv) 80% of the exercise price of any warrants issued in the Public Offering. Cash closing expenses totaled $46,000 to the private placement agent. The Company also issued warrants for 9,224 common stock to the placement agent with the same terms as the lender warrants. Total cash issue costs of $46,000, the original issue discount of $30,263 and a discount relating to the warrants of $529,000 were recorded as debt discounts to be amortized over the 146-day term of the debt. Net proceeds were $529,000 after all issue costs. The Company previously paid and expensed legal fees of $28,750 and paid an advance retainer of $50,000 to a law firm for future work relating to the planned public offering which is recorded as a prepaid asset at December 31, 2016. The Company recorded expenses in the amount of $30,000 during the first quarter of 2017. At March 31, 2017, the prepaid balance was $20,000.

On January 25, 2017, the Company borrowed an additional $157,895 and received a net amount of $130,500 representing the second draw against the Securities Purchase agreement with JMJ Financial. The total cash issue costs of $12,000, the original issue discount of $7,895, legal fees of $7,500 and a discount relating to the warrants of $138,000 were recorded as debt discounts to be amortized over the remaining 110-day term of the debt. Warrants in the amount of 30,075 were issued as per the agreement.

On February 8, 2017, the Company borrowed an additional $105,263 and received a net amount of $87,000 representing the third draw against the Securities Purchase agreement with JMJ Financial. The total cash issue costs of $8,000, the original issue discount of $5,263, legal fees of $5,000 and a discount relating to the warrants of $92,000 were recorded as debt discounts to be amortized over the remaining 96-day term of the debt. Warrants in the amount of 20,050 were issued as per the agreement.

On February 27, 2017, the Company borrowed an additional $263,158 and received a net amount of $217,500 representing the fourth draw against the Securities Purchase agreement with JMJ Financial. The total cash issue costs of $20,000, the original issue discount of $13,158, legal fees of $12,500 and a discount relating to the warrants of $230,000 were recorded as debt discounts to be amortized over the remaining 77-day term of the debt. Warrants in the amount of 50,138 were issued as per the agreement.

On March 6, 2017, the Company borrowed an additional $157,895 and received a net amount of $130,500 representing the fifth draw against the Securities Purchase agreement with JMJ Financial. The total cash issue costs of $12,000, the original issue discount of $7,895, legal fees of $7,500 and a discount relating to the warrants of $138,000 were recorded as debt discounts to be amortized over the remaining 70-day term of the debt. Warrants in the amount of 30,075 were issued as per the agreement.

On March 14, 2017, the Company borrowed an additional $263,158 and received a net amount of $217,500 representing the sixth draw against the Securities Purchase agreement with JMJ Financial. The total cash issue costs of $20,000, the original issue discount of $13,158, legal fees of $12,500 and a discount relating to the warrants of $230,000 were recorded as debt discounts to be amortized over the remaining 62-day term of the debt. Warrants in the amount of 50,138 were issued as per the agreement.

NOTE 4 – LINE OF CREDIT

The Company assumed a line of credit with Wells Fargo Bank upon merger with ISA on April 1, 2015. The line of credit provided for borrowings up to $40,000, but is now closed to future borrowing. The balance as of March 31, 2017 and December 31, 2016, was $36,452 and $38,019, respectively, including accrued interest. This line of credit has no maturity date. The annual interest rate is the Prime Rate plus 8% (10.50% at March 31, 2017). The former CEO of ISA is the personal guarantor.

NOTE 5 – COMMITMENTS AND CONTINGENCIES

Placement Agency Agreement

On January 6, 2016, the Company entered into an agreement with an investment banker to provide general financial advisory and investment banking services. Services included, but not limited to in the agreement are to provide a valuation analysis of the Company, assist management and advise the Company with respect to its strategic planning process and business plans including an analysis of markets, positioning, financial models, organizational structure, potential strategic alliances, capital requirements, potential national listing and working closely with the Company's management team to develop a set of long and short-term goals with special focus on enhancing corporate and shareholder value. The Agreement is for an initial term of six months. The Company shall pay a non-refundable fee accruing at the rate of $10,000 per month, for the term of the agreement. These advisory fee payments will be accrued and deferred for payment until the earlier of 1) closing of a financing described in the agreement, 2) a closing of interim funding at which point fifty percent (50%) of the outstanding monthly advisory fee will be payable on the last day of the month following closing of the interim financing or 3) the termination of the agreement. The Company issued to the investment banker 26,058 vested shares of the Company's common stock as of the execution date of this agreement. In addition, the Company issued warrants for the purchase of 8,629 shares of the Company's common stock. The warrants shall have a five-year term and an exercise price of $10.50.

On January 27, 2016, the Company entered into an agreement with a consultant to provide advisory services for an initial period of six months. The consultant will assist the Company with its objective of evaluating financing and other strategic options in connection with operational expansion and respond to any opportunities that arise in regard to strategic partnerships/acquisition/joint ventures or other business relationships that may advance revenue growth and enterprise value. Upon a qualified financing of at least $1,500,000 through a party introduced by the consultant, the Company agreed to issue up to $90,000 in equity or cash at the same rate and terms as the basis of the financing. In consideration for development services thirty days from the execution of this agreement, 572 shares of restricted common stock of the Company will be granted to the consultant or assigns and be issued within fifteen days of the grant. Also, 858 additional shares shall be granted to the consultant or assigns on completion of any transactions with a potential participant. In consideration for advisory services, the non-refundable sum of $5,000 was payable upon execution of the agreement with a further $5,000 to be deferred and paid upon the completion of any transaction with a potential participant. On May 5, 2016, the Company cancelled the agreement due to lack of performance with the consultant who was to provide advisory services for an initial period of six months. The Company paid an initial amount of $2,500 and no further compensation will be paid. No shares of common stock were issued in connection with this agreement.

On May 13, 2016, the Company entered into an agreement with a consultant in the business of providing services for management consulting, business advisory, shareholder information and public relations for a period of three months. During the Term of this Agreement, the Company will pay to the Consultant the sum of $3,000 per month. The Company may accrue monthly fees without payment to the consultant until the company closes a qualified financing other than the first month's retainer. Upon signing, the Company issued to the Consultant 3,572 shares of the Company's restricted common stock for a total purchase price of $100 and recorded $27,400 as a prepaid asset to be amortized over the three-month term. The Company amortized $27,400 to expense as of December 31, 2016. As of August 14, 2016, the agreement had expired and was not renewed in writing by the parties as called for in the agreement. The Company continues to work with the Principal on certain potential funding arrangements that were started (but not consummated) during the period in which the contract was in effect.

On September 1, 2016, the Company entered into an agreement with a registered investment broker, for the purposes of securing interim and long-term funding for the Company. During the ninety-day term of this agreement, the Company was to pay the broker $50,000, certain travel expenses, plus 7% cash fee of the aggregate principle amount raised on a qualified financing. The Company has paid an initial amount of $6,500 to the broker and the broker sent materials to qualified investors. The Company has cancelled the agreement effective December 27, 2016 and the initial fee of $6,500 was refunded to the Company on February 1, 2017 less a $250 fee.

Litigation

On August 10, 2015, the Company entered into an agreement with FacilityTeam of Ontario, Canada to settle a dispute that had arisen concerning payments for software development services. The Company strongly believed that FacilityTeam did not deliver the products promised and felt that we would prevail in arbitration called for by the contract between the parties. Ultimately, the Company opted to settle the matter for the cost of the litigation which was estimated be at least $60,000; rather than spend further resources on defending the claim and pursuing the counterclaim against FacilityTeam. The Company agreed to pay to FacilityTeam $2,500 per month starting October 1, 2015 for 24 months and taking a charge in the third quarter of 2015 for the settlement amount of $60,000. On December 12, 2016, the Company was notified that it was in breach of settlement with a previous vendor, FacilityTeam based in in Ontario, Canada alleging failure to make payments against that settlement. On December 28, 2016, the Company subsequently agreed to a modified payment schedule as part of a post judgement settlement for the amounts still outstanding. The final payment was made on March 7, 2017.

On May 12, 2016, in Broward County, Florida, the holder of two convertible notes entered into in March and June 2015 in the amount of $50,000 and $46,975 respectively sued the company alleging that the Company was in default for not making scheduled principal and interest payment and failing to convert a portion of the notes into the Company's common stock. As previously reported, on May 23, 2016, we filed a lawsuit in Broward County, Florida against, Greentree Financial Group, Inc., the holder of $96,975 aggregate principal amount of our convertible notes. The suit alleges, amongst other things, that the officers and directors of Greentree that entered into the notes, failed to disclose legal facts with respect to their personal conduct in the past, which, had the Company known, would have made it unlikely that such transaction would have been consummated.

The Company owes the principal and interest due under the notes and sought to pay principal and interest of the note which first came due, but its offer was rejected. On January 23, 2017, the Company executed a settlement agreement with Greentree Financial Group resolving a pending lawsuit concerning these two convertible notes. The settlement called for payment of $150,000 within 45 days of execution thereof and resolves all outstanding obligations related to the Notes. The payment was made on March 7, 2017.

Delinquent Payroll Taxes Payable

As reported previously, the Company has a delinquent payroll tax payable at March 31, 2017 and December 31, 2016 in the amount of $655,755 and $400,076, respectively. The delinquent portion is included in the payroll taxes payable balance of $703,532 and $444,476, respectively, as shown on the Company's consolidated balance sheet. The IRS has accepted the Company's offer of a monthly installment agreement in the amount of $25,000 commencing March 28, 2016. The monthly installment payments made as of March 31, 2017 totals $250,000.

NOTE 6 – RELATED PARTIES

Notes, Loans and Accounts Payable

As of March 31, 2017 and December 31, 2016, there were various notes and loans payable to related parties totaling $564,104 and $577,715, respectively, with related unpaid interest of $71,742 and $62,959 respectively (see Note 3). The Company also has accounts payable-related parties due to an officer for expense reimbursement and due to an affiliate for services in the total amount of $41,544 and $40,136 at March 31, 2017 and December 31, 2016, respectively.

NOTE 7 – FAIR VALUE MEASUREMENTS

We currently measure and report at fair value the liability for warrant derivative instruments. The fair value liabilities for price adjustable warrants have been recorded as determined utilizing the BSM option pricing model and Monte Carlo simulations. The following tables summarize our financial assets and liabilities measured at fair value on a recurring basis as of March 31, 2017:

	Balance at March 31, 2017	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)
Liabilities:				
Fair value of liability for warrant derivative instruments	$ 2,203,487	$ —	$ —	$ 2,203,487

The following is a roll forward through March 31, 2017 of the fair value liability of warrant derivative instruments:

	Fair Value of Liability for Warrant Derivative Instruments
Balance at December 31, 2016	$ 793,099
Initial fair value of warrant liability	828,000
Change in fair value included in other (income) loss	582,388
Balance at March 31, 2017	$ 2,203,487

NOTE 8 – STOCKHOLDERS' DEFICIT

Common stock issued for services

During the first quarter of 2017, the Company issued 2,903 shares of common stock for services valued at the quoted trading price on respective grant dates resulting in a consulting expense of $15,000.

NOTE 9 – COMMON STOCK PURCHASE WARRANTS

Warrants

The following is a summary of activity for warrants to purchase common stock for the three months ended March 31, 2017:

	March 31, 2017		
	Number of Warrants	Weighted Avg. Exercise Price	Remaining Contractual Life (Years)
Outstanding at the beginning of the year	218,764	$ 8.40	4.6
Warrants expired	(375)	233.45	
Warrants issued with debt	194,887	5.25	4.9
Outstanding at end of period	413,276	7.00	4.6
Exercisable at end of period	413,276	$ 7.00	4.6

During the first quarter of 2017, 194,888 warrants were issued with the Securities Purchase Agreement and the amended Placement Agent Agreement. During the same period, 375 warrants expired.

NOTE 10 – SUBSEQUENT EVENTS

On or about February 15, 2017, the Company received a Notice of Filing of Complaint of Discrimination filed by a former employee of the Company that had been terminated for insubordination. The Company received notice in late April 2017 from the Florida Commission on Human Relations with a determination of no reasonable cause exists to believe that an unlawful practice occurred.

On April 25, 2017, the Company borrowed an additional $78,947 and received a net amount of $65,250 representing the sixth draw against the Securities Purchase agreement with JMJ Financial. The total cash issue costs of $6,000, the original issue discount of $3,947, legal fees of $3,750 and a discount relating to the warrants of $69,000 were recorded as debt discounts to be amortized over the remaining 20-day term of the debt. Warrants in the amount of 15,038 were issued as per the agreement.

On April 26, 2017, the Company filed an Amendment to the Articles of Incorporation to effectuate a reverse split of the Company's issued and outstanding common stock at an exchange ratio of 1-for-35. The reverse stock split was effective as of May 1, 2017. All share and per share data in the accompanying consolidated financial statements and footnotes has been retroactively restated to reflect the effects of the reverse stock split.

Amendment to $2,500,000 Promissory Note

On May 15, 2017, the Company was obligated to repay the principal due to a lender on a bridge loan totaling $1,627,632. On May 22, 2017, the Company obtained an amendment #1 to the Securities Purchase Agreement ("SPA") and the $2,500,000 Promissory Note ("Note"). This amendment extended the original Maturity Date for the Promissory Note from May 15, 2017 to June 15, 2017 ("Extended Maturity Date") and extended the Origination Shares issuance date in the Stock Purchase Agreement from May 30, 2017 to June 15, 2017.

On June 15, 2017, the Company was obligated to repay the principal due to a lender on a bridge loan totaling $1,627,632. On July 12, 2017, the Company obtained an amendment #2 to the Securities Purchase Agreement ("SPA") and the $2,500,000 Promissory Note ("Note"). This amendment extended the original Maturity Date for the Promissory Note from June 15, 2017 to July 31, 2017 ("Extended Maturity Date") and extended the Origination Shares issuance date in the Stock Purchase Agreement from June 15, 2017 to July 31, 2017.

The Investor conditionally waived the defaults for the Company's failure to meet the original Maturity Date of the Note and delivery date for the Origination Shares. The Investor waived any damages, fees, penalties, liquidated damages, or other amounts or remedies otherwise resulting from such defaults through the Extended Maturity Date, and such conditional waiver is conditioned on the Issuer's not being in default of and not breaching any term of the Note or the SPA or any other Transaction Document at any time subsequent to the date of the Amendment. If the Company triggers an event of default or breaches any term of the Note, the SPA, or the Transaction Documents at any time subsequent to the date of the Amendment, the Investor may issue a notice of default for the Company's failure to meet the original Maturity Date of the Note and original delivery date of the Origination Shares. (see Note 3, "Note Payable – Third Party", "Note 2")

Shares of Common Stock
Warrants to Purchase Shares of Common Stock

PROSPECTUS

Joseph Gunnar & Co.

_____, 2017

PART II
INFORMATION NOT REQUIRED IN PROSPECTUS

Item 13. Other Expenses of Issuance and Distribution

The following table sets forth the costs and expenses, other than underwriting discounts and commissions, to be paid by the Registrant in connection with the issuance and distribution of the common stock and warrants being registered. All amounts other than the SEC registration fees and FINRA fees are estimates.

SEC Registration Fee	$	3,186
FINRA Filing Fee*	$	15,000
NASDAQ Filing Fee*	$	50,000
Printing Fees and Expenses*	$	10,000
Accounting Fees and Expenses*	$	25,000
Legal Fees and Expenses*	$	250,000
Transfer Agent and Registrar Fees*	$	10,000
Miscellaneous Fees and Expenses*	$	50,000
Total	$	413,186

* Estimated expenses.

Item 14. Indemnification of Directors and Officers

Florida law permits, under certain circumstances, the indemnification of any person with respect to any threatened, pending or completed action, suit or proceeding, whether civil, criminal, administrative or investigative, to which such person was or is a party or is threatened to be made a party, by reason of his or her being an officer, director, employee or agent of the corporation or is or was serving at the request of such corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise, against liability incurred in connection with such proceeding, including appeals thereof; provided, however, that the officer, director, employee or agent acted in good faith and in a manner that he or she reasonably believed to be in, or not opposed to, the best interests of the corporation and, with respect to any criminal action or proceeding, had no reasonable cause to believe his or her conduct was unlawful. The termination of any such third-party action by judgment, order, settlement, or conviction or upon a plea of nolo contendere or its equivalent does not, of itself, create a presumption that the person (i) did not act in good faith and in a manner which he or she reasonably believed to be in, or not opposed to, the best interests of the corporation or (ii) with respect to any criminal action or proceeding, had reasonable cause to believe that his or her conduct was unlawful. In the case of proceedings by or in the right of the corporation, Florida law permits indemnification of any person by reason of the fact that such person is or was a director, officer, employee or agent of the corporation or is or was serving at the request of such corporation as a director, officer, employee or agent of another corporation, partnership, joint venture, trust or other enterprise, against liability incurred in connection with such proceeding, including appeals thereof; provided, however, that the officer, director, employee or agent acted in good faith and in a manner that he or she reasonably believed to be in, or not opposed to, the best interests of the corporation, except that no indemnification is made where such person is adjudged liable, unless a court of competent jurisdiction determines that, despite the adjudication of liability but in view of all circumstances of the case, such person is fairly and reasonably entitled to indemnity for such expenses which such court shall deem proper.

To the extent that such person is successful on the merits or otherwise in defending against any such proceeding, Florida law provides that he or she shall be indemnified against expenses actually and reasonably incurred by him or her in connection therewith.

Also, under Florida law, expenses incurred by an officer or director in defending a civil or criminal proceeding may be paid by the corporation in advance of the final disposition of such proceeding upon receipt of an undertaking by or on behalf of such director or officer to repay such amount if he or she is ultimately found not to be entitled to indemnification by the corporation pursuant to this section. Expenses incurred by other employees and agents may be paid in advance upon such terms or conditions that the Board of Directors deems appropriate.

Our Bylaws provides that we shall indemnify our officers, directors, and employees, and agents unless specifically approved in writing by the Board of Directors, to the fullest extent authorized by Section 607.0850 of the Florida Business Corporation Act, or the FBCA, as it existed when the Bylaws were adopted or as it may hereafter be amended, but, in the case of any such amendment, only to the extent that such amendment permits us to provide broader indemnification rights than were permitted prior to such amendment. Such indemnification shall continue as to a person who has ceased to be a director, officer, employee, or agent; provided, however, that we shall indemnify any such person seeking indemnity in connection with an action, suit, or proceeding (or part thereof) initiated by such person only if such action, suit, or proceeding (or part thereof) was authorized by the our Board of Directors.

The Bylaws also provide that such rights of indemnification shall be a contract right and shall include the right to be paid by us for all reasonable expenses incurred in defending any such proceeding in advance of final disposition; provided, however, that the payment of such expenses incurred by a director or officer in his or her capacity as a director or officer in advance of the final disposition of such proceeding shall be made only upon delivery to us of an undertaking, by or on behalf of such director or officer, to repay amounts so advanced if it should be determined ultimately that such director or officer is not entitled to be indemnified under the Bylaws or otherwise.

In addition to the authority granted to us by Florida law to indemnify our directors, certain other provisions of the FDCA have the effect of further limiting the personal liability of our directors. Pursuant to Florida law, a director of a Florida corporation cannot be held personally liable for monetary damages to the corporation or any other person for any act or failure to act regarding corporate management or policy except in the case of certain qualifying breaches of the director's duties.

Insofar as indemnification for liabilities arising under the Securities Act, as amended, may be permitted to our directors and officers, or to persons controlling us, pursuant to our charter documents and Florida law, we have been informed that in the opinion of the Securities and Exchange Commission such indemnification is against public policy as expressed in the Securities Act of 1933, as amended and is therefore unenforceable

Item 15. Recent Sales of Unregistered Securities

On January 27, 2014, the Company issued 714 shares of restricted common stock and warrants to purchase 536 shares of common stock, to an accredited investor in exchange for $60,000.

On February 10, 2014, the Company issued 636 shares of restricted common stock to an accredited investor in connection with the cashless exercise of warrants to purchase 536 and 589 shares of common stock.

On February 14, 2014, the Company issued 582 shares of restricted common stock and warrants to purchase 446 shares of common stock to an accredited investor in exchange for $50,000.

On May 5, 2014, the Company issued 143 shares of restricted common stock to Hayden IR as consideration for the conversion of four past due Hayden IR invoices which totaled $12,000.

On August 1, 2014, the Company issued 1,190 shares of restricted common stock to Sandbank Halpert LLC, as consideration for converted principal and interest payment of $100,000.

On October 30, 2014, the Company issued 2,419 shares of restricted common stock to Educational Group LLC and Greentree Financial Group as consideration for conversion of $80,045 in debt purchased from one of the Company's lenders.

On March 31, 2015, the Company issued 1,430 shares of restricted common stock to Luceon LLC, a vendor to the Company, as consideration for a $20,000 partial settlement of an outstanding payable.

On April 1, 2015, the Company issued 554 shares of restricted common stock to holders of Warrants in conjunction with and subsequent to the merger agreement, in exchange for 964 existing warrants.

On May 20, 2015, the Company issued 2,857 shares of restricted common stock to Educational Group LLC as consideration for third party for consulting services.

On May 27, 2015, the Company issued 1,179 shares to Hayden IR as consideration for a $33,000 in outstanding invoices.

On June 30, 2015, the Company issued 4,034 shares of restricted common stock to the Company's CFO as consideration for $56,482 of accrued salary.

On July 1, 2015, the Company issued 4,286 shares of restricted common stock to an accredited investor as consideration for the principal balance of a promissory note of $50,000.

On August 27, 2015, the Company issued 1,429 shares of restricted common stock to Caro Capital LLC in connection with a consulting agreement in exchange for $100.

On September 21, 2015, the Company issued 14,469 shares of common stock to an accredited investor and lender in exchange for an $81,250 portion of an outstanding convertible note.

On September 30, 2015, the Company issued 1,315 shares to Hayden IR as consideration for a $15,000 in outstanding invoices.

On September 30 2015, the Company issued 28,640 shares of common stock and 14,320 five year warrants to Sandbank Halpert LLC in exchange for a promissory note and accrued interest totaling $275,660 and as consideration for an extension of a $37,817 note.

On October 26, 2015, the Company issued 1,949 shares of restricted common stock to an accredited investor for conversion of a note valued at $20,467.

On October 26, 2015, the Company issued 3,914 shares of restricted common stock to an accredited investor for conversion of a note valued at $41,906.

On October 27, 2015, the Company issued 14,266 shares of restricted common stock to an accredited investor for conversion of a note valued at $149,792.

On October 28, 2015, the Company issued 10,250 shares of restricted common stock to an accredited investor for conversion of a note valued at $107,627.

On December 16, 2015, the Company issued 6,548 shares of restricted common stock to an accredited investor for conversion of a note valued at $68,750.

On December 30, 2015, the Company issued 4,762 shares of restricted common stock to an accredited investor for conversion of a note valued at $50,000.

On January 1, 2016, the Company issued 714 shares of common stock valued at $5,000 to a consultant for services rendered to the Company.

On January 6, 2016, the Company issued 26,057 shares of the Company's restricted common stock valued at $273,600 to Maxim LLC as consideration for general financial advisory and investment banking services.

On January 22, 2016, the company issued 60 shares of restricted common stock to an existing shareholder in exchange for existing 150 warrants.

On April 1, 2016, the Company issued a warrant exercisable into 71,429 million shares of common stock at an exercise price of $12.25 per share to GPB Capital Holdings in conjunction with and as further consideration for a Securities Purchase Agreement in the amount of $1,800,000. The warrants contain anti-dilution protection on the exercise price including potential adjustment to the exercise price based on certain future events.

On April 1, 2016, the Company issued 5,714 three-year warrants with an exercise price of $14 per share to the placement agent, Aegis Corp, as additional compensation for arrangement of financing through the Securities Purchase Agreement with GPB Capital Holdings.

On April 1, 2016, the Company issued 649 shares of common stock valued at $5,000 to a consultant for services rendered to the Company.

On May 1, 2016, the Company issued 1,190 shares of common stock valued at $5,000 to a consultant for services rendered to the Company.

On May 13, 2016, the Company issued 3,571 shares of restricted common stock to Regal Venture Capital Partners in connection with a consulting agreement in exchange for $125.

On June 1, 2016, the Company issued 1,429 shares of common stock valued at $5,000 to a consultant for services rendered to the Company.

On July 1, 2016, the Company issued 953 shares of common stock valued at $5,000 to a consultant for services rendered to the Company.

On August 1, 2016, the Company issued 893 shares of common stock valued at $5,000 to a consultant for services rendered to the Company.

On September 1, 2016, the Company issued 1,429 shares of common stock valued at $5,000 to a consultant for services rendered to the Company.

On October 1, 2016, the Company issued 1,429 shares of common stock valued at $5,000 to a consultant for services rendered to the Company.

On October 31, 2016, the Company issued 29,600 shares of Series A Convertible Preferred Stock to four existing shareholders in exchange for an aggregate of $148,000 in cash and the repurchase of 3,280 common shares from those shareholders at their original aggregate purchase price of $148,000 or $45.15 per share. The shares of Series A Convertible Preferred Stock are valued at $296,000 or $10 per share par value. The offer ended on December 31, 2016.

On November 1, 2016, the Company issued 1,429 shares of common stock valued at $5,000 to a consultant for services rendered to the Company.

On December 1, 2016, the Company issued 1,429 shares of common stock valued at $5,000 to a consultant for services rendered to the Company.

On December 20, 2016, the Company issued common stock purchase warrants to an investor in connection with a debt financing transaction (the “Financing Warrants”). The Financing Warrants are exercisable into 115,288 shares of the Company’s common stock at an aggregate exercise amount of $605,263. On the same date, the Company issued additional common stock purchase warrants to a placement agent for fees in connection with the debt financing transaction (the “Additional Financing Warrants”). The Additional Financing Warrants are exercisable into 9,223 shares of the Company’s common stock at an aggregate exercise amount of $48,421. The per unit and aggregate exercise price is subject to change based on certain future events as set forth in the Financing Warrants and the Additional Financing Warrants.

On May 8, 2017, the Company issued 4,287 shares valued at $15,000 to a consultant for services rendered to the Company.

The securities issued pursuant to the above offerings were not registered under the Securities Act of 1933, as amended (the “Securities Act”), but qualified for exemption under Section 4(a)(2) of the Securities Act and/or Regulation D. The securities were exempt from registration under Section 4(a)(2) of the Securities Act because the issuance of such securities by the Company did not involve a “public offering,” as defined in Section 4(a)(2) of the Securities Act, due to the insubstantial number of persons involved in the transaction, size of the offering, manner of the offering and number of securities offered. The Company did not undertake an offering in which it sold a high number of securities to a high number of investors. In addition, these shareholders had the necessary investment intent as required by Section 4(a)(2) of the Securities Act since they agreed to, and received, share certificates bearing a legend stating that such securities are restricted pursuant to Rule 144 of the Securities Act. This restriction ensures that these securities would not be immediately redistributed into the market and therefore not be part of a “public offering.” Based on an analysis of the above factors, the Company has met the requirements to qualify for exemption under Section 4(a)(2) of the Securities Act. The sales were exempt under 4(a)(2) of the S-A and Rule 506 thereunder. Each investor acquired the securities for investment and without a view to distribution.

Item 16. Exhibits and Financial Statement Schedules

(a) **Exhibits**

We have filed the exhibits listed on the accompanying Exhibit Index of this registration statement and below in this Item 16:

Exhibit No.	Exhibit Description
1.1 *	Form of Underwriting Agreement
2.1	First Amendment to Merger and Plan of Merger, dated March 15, 2015 (incorporated herein by reference to the Current Report on Form 8-K filed as Exhibit 2.1 on March 19, 2015)
2.2	Merger Agreement and Plan of Merger, dated February 6, 2015 (incorporated herein by reference to the Current Report on Form 8-K filed as Exhibit 2.1 on February 9, 2015)
3.1	Amendment to Amended and Restated Articles of Incorporation (incorporated herein by reference to the Current Report on Form 8-K filed as Exhibit 3.1 on July 13, 2015)
3.2	Amended and Restated Articles of Incorporation (incorporated herein by reference to the Current Report on Form 8-K filed as Exhibit 3.1 on April 7, 2015)
3.3	Amended and Restated Bylaws (incorporated herein by reference to the Registration of Securities on Form 8-A/12G/A filed on August 14, 2015)
3.4	Articles of Amendment to Articles of Incorporation (incorporated herein by reference to the Current Report on Form 8-K filed as Exhibit 3.1 on April 28, 2017)
4.1	Senior Secured Note, dated April 1, 2016, issued by Duos Technologies Group, Inc. (incorporated herein by reference to the Current Report on Form 8-K filed as Exhibit 4.1 on April 6, 2016)
4.2	Common Stock Purchase Warrant (incorporated herein by reference to the Current Report on Form 8-K filed as Exhibit 4.1 on December 23, 2016)
5.1 *	Opinion of Lucosky Brookman LLP
10.1	Employment Agreement, dated May 1, 2003, with Chief Executive Officer (incorporated herein by reference to the Annual Report on Form 10-K filed as Exhibit 10.1 on April 17, 2015)
10.2	Securities Purchase Agreement, dated March 31, 2016, by and between Duos Technologies Group, Inc. and the Schedule of Buyers attached thereto (incorporated herein by reference to the Current Report on Form 8-K filed as Exhibit 10.1 on April 6, 2016)
10.3	Security and Pledge Agreement, dated April 1, 2016, by and among Duos Technologies Group, Inc., each of the Company's Subsidiaries named therein and GPB Debt Holdings II, LLC (in its capacity as collateral agent) (incorporated herein by reference to the Current Report on Form 8-K filed as Exhibit 10.2 on April 6, 2016)
10.4	Guaranty, dated April 1, 2016, by and among each of Duos Technologies Group, Inc.'s Subsidiaries named therein and GPB Debt Holdings II, LLC (in its capacity as collateral agent) (incorporated herein by reference to the Current Report on Form 8-K filed as Exhibit 10.3 on April 6, 2016)
10.5	Warrant, dated April 1, 2016, issued by Duos Technologies Group, Inc. (incorporated herein by reference to the Current Report on Form 8-K filed as Exhibit 10.4 on April 6, 2016)
10.6	2016 Equity Incentive Plan (incorporated herein by reference to the Proxy Statement on Schedule 14A filed on April 1, 2016)
10.7	Securities Purchase Agreement, dated December 20, 2016, by and between Duos Technologies Group, Inc. and JMJ Financial (incorporated herein by reference to the Current Report on Form 8-K filed as Exhibit 10.1 on December 23, 2016)
10.8	Promissory Note, dated December 20, 2016, by and between Duos Technologies Group, Inc. and JMJ Financial (incorporated herein by reference to the Current Report on Form 8-K filed as Exhibit 10.2 on December 23, 2016)
10.9 *	Form of Investor Warrant
10.10 *	Form of Warrant Agency Agreement
10.11	Form of Note Holder Letter Agreement, dated June 9, 2017 (incorporated herein by reference to the Current report on Form 8-K filed as Exhibit 10.1 on June 15, 2017)
10.12	Form of Arcaini Letter Agreement, dated June 9, 2017 (incorporated herein by reference to the Current Report on Form 8-K filed as Exhibit 10.2 on June 15, 2017)
10.13	Form of Goldfarb Letter Agreement, dated June 9, 2017 (incorporated herein by reference to the Current Report on Form 8-K filed as Exhibit 10.3 on June 15, 2017)
17.1	Letter of Resignation from Gjis van Thiel to the Company dated December 30, 2016 (incorporated herein by reference to the Current Report on Form 8-K filed as Exhibit 17.1 on January 5, 2017)
17.2	Letter of Resignation from Joseph Glodek to the Company dated January 19, 2017 (incorporated herein by reference to the Current Report on Form 8-K filed as Exhibit 17.1 on January 24, 2017)
21	List of Subsidiaries (incorporated by reference to the Company's Form 10-K filed on April 1, 2016)

23.1 *	Consent of Salberg & Company, P.A.
24.1 *	Consent of Lucosky Brookman LLP (reference is made to Exhibit 5.1)
24.2 *	Power of Attorney (included on the signature page of this Registration Statement)

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* filed herewith

(b) Financial Statement Schedules.

All schedules have been omitted because either they are not required, are not applicable or the information is otherwise set forth in the financial statements and related notes thereto.

Item 17. Undertakings

The undersigned registrant hereby undertakes:

(1) To file, during any period in which offers or sales are being made, a post-effective amendment to this registration statement:

(i) To include any prospectus required by Section 10(a)(3) of the Securities Act of 1933;

(ii) To reflect in the prospectus any facts or events arising after the effective date of the registration statement (or the most recent post-effective amendment thereof) which, individually or in the aggregate, represent a fundamental change in the information set forth in the registration statement. Notwithstanding the foregoing, any increase or decrease in volume of securities offered (if the total dollar value of securities offered would not exceed that which was registered) and any deviation from the low or high end of the estimated maximum offering range may be reflected in the form of prospectus filed with the Commission pursuant to Rule 424(b) if, in the aggregate, the changes in volume and price represent no more than a 20 percent change in the maximum aggregate offering price set forth in the "Calculation of Registration Fee" table in the effective registration statement; and

(iii) To include any material information with respect to the plan of distribution not previously disclosed in the registration statement or any material change to such information in the registration statement.

(2) That for the purpose of determining any liability under the Securities Act of 1933 each such post-effective amendment shall be deemed to be a new registration statement relating to the securities offered therein, and the offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

(3) To remove from registration by means of a post-effective amendment any of the securities being registered which remain unsold at the termination of the offering.

(4) That, for the purpose of determining liability under the Securities Act of 1933 to any purchaser, each prospectus filed pursuant to Rule 424(b) as part of a registration statement relating to an offering, other than registration statements relying on Rule 430B or other than prospectuses filed in reliance on Rule 430A, shall be deemed to be part of and included in the registration statement as of the date it is first used after effectiveness. Provided, however, that no statement made in a registration statement or prospectus that is part of the registration statement or made in a document incorporated or deemed incorporated by reference into the registration statement or prospectus that is part of the registration statement will, as to a purchaser with a time of contract of sale prior to such first use, supersede or modify any statement that was made in the registration statement or prospectus that was part of the registration statement or made in any such document immediately prior to such date of first use.

(5) That, for the purpose of determining liability of the registrant under the Securities Act of 1933 to any purchaser in the initial distribution of the securities:

The undersigned registrant undertakes that in a primary offering of securities of the undersigned registrant pursuant to this registration statement, regardless of the underwriting method used to sell the securities to the purchaser, if the securities are offered or sold to such purchaser by means of any of the following communications, the undersigned registrant will be a seller to the purchaser and will be considered to offer or sell such securities to such purchaser:

(i) Any preliminary prospectus or prospectus of the undersigned registrant relating to the offering required to be filed pursuant to Rule 424;

(ii) Any free writing prospectus relating to the offering prepared by or on behalf of the undersigned registrant or used or referred to by the undersigned registrant;

(iii) The portion of any other free writing prospectus relating to the offering containing material information about the undersigned registrant or its securities provided by or on behalf of the undersigned registrant; and

(iv) Any other communication that is an offer in the offering made by the undersigned registrant to the purchaser.

(6) The undersigned Registrant hereby undertakes to provide to the underwriters at the closing specified in the underwriting agreement certificates in such denominations and registered in such names as required by the underwriters to permit prompt delivery to each purchaser.

(7) Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers and controlling persons of the Registrant pursuant to the provisions described in Item 14 above, or otherwise, the Registrant has been advised that in the opinion of the SEC such indemnification is against public policy as expressed in the Securities Act and is, therefore, unenforceable. In the event that a claim for indemnification against such liabilities (other than the payment by the Registrant of expenses incurred or paid by a director, officer or controlling person of the Registrant in the successful defense of any action, suit or proceeding) is asserted by such director, officer or controlling person in connection with the securities being registered, the registrant will, unless in the opinion of its counsel the matter has been settled by controlling precedent, submit to a court of appropriate jurisdiction the question whether such indemnification by it is against public policy as expressed in the Securities Act and will be governed by the final adjudication of such issue.

(8) The undersigned Registrant hereby undertakes:

(1) That for purposes of determining any liability under the Securities Act, the information omitted from the form of prospectus filed as part of this registration statement in reliance upon Rule 430A and contained in a form of prospectus filed by the Registrant pursuant to Rule 424(b)(1) or (4), or 497(h) under the Securities Act shall be deemed to be part of this registration statement as of the time it was declared effective.

(2) That for the purpose of determining any liability under the Securities Act, each post-effective amendment that contains a form of prospectus shall be deemed to be a new registration statement relating to the securities offered therein, and this offering of such securities at that time shall be deemed to be the initial bona fide offering thereof.

SIGNATURES

Pursuant to the requirements of the Securities Act of 1933, the Registrant has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized in the City of Warrenville, Illinois, on July 14, 2017.

Duos Technologies Group, Inc.

By: /s/ *Gianni B. Arcaini*
Name: Gianni B. Arcaini
Title: Chief Executive Officer
(Principal Executive Officer)

POWER OF ATTORNEY: KNOW ALL PERSONS BY THESE PRESENTS that each individual whose signature appears below constitutes and appoints Gianni B. Arcaini, his true and lawful attorneys-in-fact and agents with full power of substitution, for him and in his name, place and stead, in any and all capacities, to sign any and all amendments (including post-effective amendments) to this Registration Statement, and to sign any registration statement for the same offering covered by the Registration Statement that is to be effective upon filing pursuant to Rule 462(b) promulgated under the Securities Act, and all post-effective amendments thereto, and to file the same, with all exhibits thereto and all documents in connection therewith, with the Securities and Exchange Commission, granting unto said attorneys-in-fact and agents, and each of them, full power and authority to do and perform each and every act and thing requisite and necessary to be done in and about the premises, as fully to all intents and purposes as he or she might or could do in person, hereby ratifying and confirming all that said attorneys-in-fact and agents or any of them, or his, her or their substitute or substitutes, may lawfully do or cause to be done or by virtue hereof.

Pursuant to the requirements of the Securities Act of 1933, this Registration Statement has been signed by the following persons in the capacities and on the dates indicated:

Signature	Title	Date
/s/ Gianni B. Arcaini Gianni B. Arcaini	Chief Executive Officer (Principal Executive Officer), President, Chairman of the Board	July 14, 2017
/s/ Adrian G. Goldfarb Adrian G. Goldfarb	Chief Financial Officer (Principal Financial Officer and Principal Accounting Officer), Executive Vice President, Director	July 14, 2017
/s/ Alfred J. (Fred) Mulder Alfred J. (Fred) Mulder	Director	July 14, 2017
/s/ John F. Andrews John F. Andrews	Chief Operating Officer, Executive Vice President	July 14, 2017
/s/ Blair Fonda Blair Fonda	Director	July 14, 2017
/s/ John E. Giles John E. Giles	Director	July 14, 2017

EXHIBIT 1.1

UNDERWRITING AGREEMENT

Between

DUOS TECHNOLOGIES GROUP, INC.

And

JOSEPH GUNNAR & CO., LLC

as Representative of the Several Underwriters

DUOS TECHNOLOGIES GROUP, INC.

UNDERWRITING AGREEMENT

New York, New York
July [•], 2017
Joseph Gunnar & Co., LLC

As Representative of the several Underwriters named on Schedule 1 attached hereto
30 Broad Street, 11th Fl.
New York, NY 10004

Ladies and Gentlemen:

The undersigned, Duos Technologies Group, Inc., a corporation formed under the laws of the State of Florida (collectively with its subsidiaries and affiliates, including, without limitation, all entities disclosed or described in the Registration Statement (as hereinafter defined) as being subsidiaries or affiliates of Duos Technologies Group, Inc., the "**Company**"), hereby confirms its agreement (this "**Agreement**") with Joseph Gunnar & Co., LLC. (hereinafter referred to as "you" (including its correlatives) or the "**Representative**") and with the other underwriters named on Schedule 1 hereto for which the Representative is acting as representative (the Representative and such other underwriters being collectively called the "**Underwriters**" or, individually, an "**Underwriter**") as follows:

1. Purchase and Sale of Securities.

1.1 *Firm Securities.*

1.1.1. Nature and Purchase of Firm Securities.

(i) On the basis of the representations and warranties herein contained, but subject to the terms and conditions herein set forth, the Company agrees to issue and sell to the several Underwriters, an aggregate of [•] shares ("**Firm Shares**") of the Company's common stock, par value $0.001 per share (the "**Common Stock**") and Common Stock purchase warrants to purchase up to an aggregate of [•] shares of Common Stock at an exercise price of $[•] per share (125.0% of the public offering price per Firm Share in the Offering) (the "**Firm Warrants**," together with the Firm Shares, the "**Firm Securities**").

(ii) The Underwriters, severally and not jointly, agree to purchase from the Company the number of Firm Shares and Firm Warrants set forth opposite their respective names on Schedule 1 attached hereto and made a part hereof at a purchase price of $[•] per Firm Share (93% of the per Firm Share offering price) and [•] per Firm Warrant (93% of the per Firm Warrant offering price). The Firm Securities are to be offered initially to the public at the offering prices set forth on the cover page of the Prospectus (as defined in Section 2.1.1 hereof).

1.1.2. Firm Securities Payment and Delivery.

(i) Delivery and payment for the Firm Securities shall be made at 10:00 a.m., Eastern time, on the third (3rd) Business Day following the effective date (the "Effective Date") of the Registration Statement (as defined in Section 2.1.1 below) (or the fourth (4th) Business Day following the Effective Date if the Registration Statement is declared effective after 4:01 p.m., Eastern time) or at such earlier time as shall be agreed upon by the Representative and the Company, at the offices of Sheppard Mullin Richter & Hampton LLP, 30 Rockefeller Plaza, New York, NY 10112

("**Representative Counsel**"), or at such other place (or remotely by facsimile or other electronic transmission) as shall be agreed upon by the Representative and the Company. The hour and date of delivery and payment for the Firm Securities is called the "**Closing Date**."

(ii) Payment for the Firm Securities shall be made on the Closing Date by wire transfer in Federal (same day) funds, payable to the order of the Company upon delivery of the certificates (in form and substance satisfactory to the Underwriters) representing the Firm Securities (or through the facilities of the Depository Trust Company ("**DTC**")) for the account of the Underwriters. The Firm Securities shall be registered in such name or names and in such authorized denominations as the Representative may request in writing at least two (2) full Business Days prior to the Closing Date. The Company shall not be obligated to sell or deliver the Firm Securities except upon tender of payment by the Representative for all of the Firm Securities. The term "Business Day" means any day other than a Saturday, a Sunday or a legal holiday or a day on which banking institutions are authorized or obligated by law to close in New York, New York.

1.2 *Over-allotment Option*.

1.2.1. Option Securities. For the purposes of covering any over-allotments in connection with the distribution and sale of the Firm Securities, the Company hereby grants to the Underwriters an option to purchase up to [•] additional shares of Common Stock (the "**Option Shares**") and up to [•] additional Common Stock purchase warrants to purchase up to an aggregate of [•] shares of Common Stock at an exercise price of $[•] per share (the "**Option Warrants**" and collectively with the Option Shares, the "**Option Securities**"), representing fifteen percent (15%) of the Firm Securities sold in the offering, from the Company (the "**Over-allotment Option**"). The purchase price to be paid per Option Security shall be equal to the price per Firm Security set forth in Section 1.1.1 hereof. The Firm Securities and the Option Securities are hereinafter referred to together as the "Public Securities." The offering and sale of the Public Securities is hereinafter referred to as the "Offering."

1.2.2. Exercise of Option. The Over-allotment Option granted pursuant to Section 1.2.1 hereof may be exercised by the Representative as to all (at any time) or any part (from time to time) of the Option Securities within 45 days after the Effective Date. The Underwriters shall not be under any obligation to purchase any Option Securities prior to the exercise of the Over-allotment Option. The Over-allotment Option granted hereby may be exercised by the giving of oral notice to the Company from the Representative, which must be confirmed in writing by overnight mail or facsimile or other electronic transmission setting forth the number of Option Securities to be purchased and the date and time for delivery of and payment for the Option Securities (the "Option Closing Date"), which shall not be later than two (2) full Business Days after the date of the notice or such other time as shall be agreed upon by the Company and the Representative, at the offices of Representative Counsel or at such other place (including remotely by facsimile or other electronic transmission) as shall be agreed upon by the Company and the Representative. If such delivery and payment for the Option Securities does not occur on the Closing Date, the Option Closing Date will be as set forth in the notice. Upon exercise of the Over-allotment Option with respect to all or any portion of the Option Securities, subject to the terms and conditions set forth herein, (i) the Company shall become obligated to sell to the Underwriters the number of Option Securities specified in such notice and (ii) each of the Underwriters, acting severally and not jointly, shall purchase that portion of the total number of Option Securities then being purchased as set forth in Schedule 1 opposite the name of such Underwriter.

1.2.3. Payment and Delivery. Payment for the Option Securities shall be made on the Option Closing Date by wire transfer in Federal (same day) funds, payable to the order of the Company upon delivery to you of certificates (in form and substance satisfactory to the Underwriters) representing the Option Securities (or through the facilities of DTC) for the account of the Underwriters. The Option Securities shall be registered in such name or names and in such authorized denominations as the

Representative may request in writing at least one (1) full Business Day prior to the Option Closing Date. The Company shall not be obligated to sell or deliver the Option Securities except upon tender of payment by the Representative for applicable Option Securities. The Option Closing Date may be simultaneous with, but not earlier than, the Closing Date; and in the event that such time and date are simultaneous with the Closing Date, the term "**Closing Date**" shall refer to the time and date of delivery of the Firm Securities and Option Securities.

1.3 *Representative's Warrants.*

1.3.1. Purchase Warrants. The Company hereby agrees to issue and sell to the Representative (and/or its designees) on the Closing Date an option ("**Representative's Warrant**") for the purchase of an aggregate of [•] shares of Common Stock, representing 5% of the Public Securities, for an aggregate purchase price of $100.00. The Representative's Warrant agreement, in the form attached hereto as Exhibit A (the "**Representative's Warrant Agreement**"), shall be exercisable, in whole or in part, commencing on a date which is one (1) year after the Effective Date and expiring on the five-year anniversary of the Effective Date at an initial exercise price per share of Common Stock of $[•], which is equal to 125% of the initial public offering price of the Firm Shares. The Representative's Warrant Agreement and the shares of Common Stock issuable upon exercise thereof are hereinafter referred to together as the "**Representative's Securities**." The Representative understands and agrees that there are significant restrictions pursuant to FINRA Rule 5110 against transferring the Representative's Warrant Agreement and the underlying shares of Common Stock during the one hundred eighty (180) days after the Effective Date and by its acceptance thereof shall agree that it will not sell, transfer, assign, pledge or hypothecate the Representative's Warrant Agreement, or any portion thereof, or be the subject of any hedging, short sale, derivative, put or call transaction that would result in the effective economic disposition of such securities for a period of one hundred eighty (180) days following the Effective Date to anyone other than (i) an Underwriter or a selected dealer in connection with the Offering, or (ii) a bona fide officer or partner of the Representative or of any such Underwriter or selected dealer; and only if any such transferee agrees to the foregoing lock-up restrictions.

1.3.2. Delivery. Delivery of the Representative's Warrant Agreement shall be made on the Closing Date and shall be issued in the name or names and in such authorized denominations as the Representative may request.

2. Representations and Warranties of the Company. The Company represents and warrants to the Underwriters as of the Applicable Time (as defined below), as of the Closing Date and as of the Option Closing Date, if any, as follows:

2.1 *Filing of Registration Statement.*

2.1.1. Pursuant to the Securities Act. The Company has filed with the U.S. Securities and Exchange Commission (the "Commission") a registration statement, and an amendment or amendments thereto, on Form S-1 (File No. 333-215652), including any related prospectus or prospectuses, for the registration of the Public Securities and the Representative's Securities under the Securities Act of 1933, as amended (the "Securities Act"), which registration statement and amendment or amendments have been prepared by the Company in all material respects in conformity with the requirements of the Securities Act and the rules and regulations of the Commission under the Securities Act (the "Securities Act Regulations") and will contain all material statements that are required to be stated therein in accordance with the Securities Act and the Securities Act Regulations. Except as the context may otherwise require, such registration statement, as amended, on file with the Commission at the time the registration statement became effective (including the Preliminary Prospectus included in the registration statement, financial statements, schedules, exhibits and all other documents filed as a part thereof or incorporated therein and all information deemed to be a part thereof as of the Effective Date

pursuant to paragraph (b) of Rule 430A of the Securities Act Regulations (the "Rule 430A Information")), is referred to herein as the "Registration Statement." If the Company files any registration statement pursuant to Rule 462(b) of the Securities Act Regulations, then after such filing, the term "Registration Statement" shall include such registration statement filed pursuant to Rule 462(b). The Registration Statement has been declared effective by the Commission on the date hereof.

Each prospectus used prior to the effectiveness of the Registration Statement, and each prospectus that omitted the Rule 430A Information that was used after such effectiveness and prior to the execution and delivery of this Agreement, is herein called a "Preliminary Prospectus." The Preliminary Prospectus, subject to completion, dated [•], 2017, that was included in the Registration Statement immediately prior to the Applicable Time is hereinafter called the "Pricing Prospectus." The final prospectus in the form first furnished to the Underwriters for use in the Offering is hereinafter called the "Prospectus." Any reference to the "most recent Preliminary Prospectus" shall be deemed to refer to the latest Preliminary Prospectus included in the Registration Statement.

"**Applicable Time**" means [TIME] [a.m./p.m.], Eastern time, on the date of this Agreement.

"**Issuer Free Writing Prospectus**" means any "issuer free writing prospectus," as defined in Rule 433 of the Securities Act Regulations ("Rule 433"), including without limitation any "free writing prospectus" (as defined in Rule 405 of the Securities Act Regulations) relating to the Public Securities that is (i) required to be filed with the Commission by the Company, (ii) a "road show that is a written communication" within the meaning of Rule 433(d)(8)(i), whether or not required to be filed with the Commission, or (iii) exempt from filing with the Commission pursuant to Rule 433(d)(5)(i) because it contains a description of the Public Securities or of the Offering that does not reflect the final terms, in each case in the form filed or required to be filed with the Commission or, if not required to be filed, in the form retained in the Company's records pursuant to Rule 433(g).

"**Issuer General Use Free Writing Prospectus**" means any Issuer Free Writing Prospectus that is intended for general distribution to prospective investors (other than a "*bona fide* electronic road show," as defined in Rule 433 (the "Bona Fide Electronic Road Show")), as evidenced by its being specified in Schedule 2-B hereto.

"**Issuer Limited Use Free Writing Prospectus**" means any Issuer Free Writing Prospectus that is not an Issuer General Use Free Writing Prospectus.

"**Pricing Disclosure Package**" means any Issuer General Use Free Writing Prospectus issued at or prior to the Applicable Time, the Pricing Prospectus and the information included on Schedule 2-A hereto, all considered together.

2.1.2. Pursuant to the Exchange Act.[1] The Company has filed with the Commission a Form 8-A/A (File Number 000-55497) providing for the registration pursuant to Section 12(b) under the Securities Exchange Act of 1934, as amended (the "**Exchange Act**"), of the shares of Common Stock. The registration of the shares of Common Stock under the Exchange Act has been declared effective by the Commission on or prior to the date hereof. The Company has taken no action designed to, or likely to have the effect of, terminating the registration of the shares of Common Stock under the Exchange Act, nor has the Company received any notification that the Commission is contemplating terminating such registration.

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1 NTD: To discuss.

2.2 Stock Exchange Listing. The shares of Common Stock and warrants to purchase Common Stock have been approved for listing on the NASDAQ Capital Market (the "**Exchange**"), and the Company has taken no action designed to, or likely to have the effect of, delisting the shares of Common Stock or warrants from the Exchange, nor has the Company received any notification that the Exchange is contemplating terminating such listing except as described in the Registration Statement, the Pricing Disclosure Package and the Prospectus.

2.3 No Stop Orders, etc. Neither the Commission nor, to the Company's knowledge, any state regulatory authority has issued any order preventing or suspending the use of the Registration Statement, any Preliminary Prospectus or the Prospectus or has instituted or, to the Company's knowledge, threatened to institute, any proceedings with respect to such an order. The Company has complied with each request (if any) from the Commission for additional information.

2.4 Disclosures in Registration Statement.

2.4.1. Compliance with Securities Act and 10b-5 Representation.

(i) Each of the Registration Statement and any post-effective amendment thereto, at the time it became effective, complied in all material respects with the requirements of the Securities Act and the Securities Act Regulations. Each Preliminary Prospectus, including the prospectus filed as part of the Registration Statement as originally filed or as part of any amendment or supplement thereto, and the Prospectus, at the time each was filed with the Commission, complied in all material respects with the requirements of the Securities Act and the Securities Act Regulations. Each Preliminary Prospectus delivered to the Underwriters for use in connection with this Offering and the Prospectus was or will be identical to the electronically transmitted copies thereof filed with the Commission pursuant to EDGAR, except to the extent permitted by Regulation S-T.

(ii) Neither the Registration Statement nor any amendment thereto, at its effective time, as of the Applicable Time, at the Closing Date or at any Option Closing Date (if any), contained, contains or will contain an untrue statement of a material fact or omitted, omits or will omit to state a material fact required to be stated therein or necessary to make the statements therein not misleading; provided, however, that this representation and warranty shall not apply to statements made or statements omitted in reliance upon and in conformity with written information furnished to the Company with respect to the Underwriter by the Representative expressly for use in the Registration Statement, the Pricing Prospectus or the Prospectus or any amendment thereof or supplement thereto. The parties acknowledge and agree that such information provided by or on behalf of any Underwriter consists solely of the following disclosure contained in the "Underwriting" section of the Prospectus: (i) the table showing the number of securities to be purchased by the Underwriter, (ii) the fourth full paragraph under the caption "Underwriting", and (iii) the section titled "Discretionary Accounts" under the caption "Underwriting" (the "Underwriters' Information").

(iii) The Pricing Disclosure Package, as of the Applicable Time, at the Closing Date or at any Option Closing Date (if any), did not, does not and will not include an untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading; and each Issuer Limited Use Free Writing Prospectus hereto does not conflict with the information contained in the Registration Statement, any Preliminary Prospectus, the Pricing Prospectus or the Prospectus, and each such Issuer Limited Use Free Writing Prospectus, as supplemented by and taken together with the Pricing Prospectus as of the Applicable Time, did not include an untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein, in light of the circumstances under which they were made, not misleading; provided, however, that this representation and warranty shall not

apply to statements made or statements omitted in reliance upon and in conformity with written information furnished to the Company with respect to the Underwriters by the Representative expressly for use in the Registration Statement, the Pricing Prospectus or the Prospectus or any amendment thereof or supplement thereto. The parties acknowledge and agree that such information provided by or on behalf of any Underwriter consists solely of the Underwriters' Information; and

(iv) Neither the Prospectus nor any amendment or supplement thereto (including any prospectus wrapper), as of its issue date, at the time of any filing with the Commission pursuant to Rule 424(b), at the Closing Date or at any Option Closing Date, included, includes or will include an untrue statement of a material fact or omitted, omits or will omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances under which they were made, not misleading; provided, however, that this representation and warranty shall not apply to the Underwriters' Information.

2.4.2. Disclosure of Agreements. The agreements and documents described in the Registration Statement, the Pricing Disclosure Package and the Prospectus conform in all material respects to the descriptions thereof contained therein and there are no agreements or other documents required by the Securities Act and the Securities Act Regulations to be described in the Registration Statement, the Pricing Disclosure Package and the Prospectus or to be filed with the Commission as exhibits to the Registration Statement, that have not been so described or filed. Each agreement or other instrument (however characterized or described) to which the Company is a party or by which it is or may be bound or affected and (i) that is referred to in the Registration Statement, the Pricing Disclosure Package and the Prospectus, or (ii) is material to the Company's business, has been duly authorized and validly executed by the Company, is in full force and effect in all material respects and is enforceable against the Company and, to the Company's knowledge, the other parties thereto, in accordance with its terms, except (x) as such enforceability may be limited by bankruptcy, insolvency, reorganization or similar laws affecting creditors' rights generally, (y) as enforceability of any indemnification or contribution provision may be limited under the federal and state securities laws, and (z) that the remedy of specific performance and injunctive and other forms of equitable relief may be subject to the equitable defenses and to the discretion of the court before which any proceeding therefor may be brought. None of such agreements or instruments has been assigned by the Company, and neither the Company nor, to the Company's knowledge, any other party is in default thereunder and, to the Company's knowledge, no event has occurred that, with the lapse of time or the giving of notice, or both, would constitute a default thereunder. To the best of the Company's knowledge, performance by the Company of the material provisions of such agreements or instruments will not result in a violation of any existing applicable law, rule, regulation, judgment, order or decree of any governmental agency or court, domestic or foreign, having jurisdiction over the Company or any of its assets or businesses (each, a "Governmental Entity"), including, without limitation, those relating to environmental laws and regulations.

2.4.3. Prior Securities Transactions. No securities of the Company have been sold by the Company or by or on behalf of, or for the benefit of, any person or persons controlling, controlled by or under common control with the Company, except as disclosed in the Registration Statement, the Pricing Disclosure Package and the Preliminary Prospectus.

2.4.4. Regulations. The disclosures in the Registration Statement, the Pricing Disclosure Package and the Prospectus concerning the effects of federal, state, local and all foreign regulation on the Offering and the Company's business as currently contemplated are correct in all material respects and no other such regulations are required to be disclosed in the Registration Statement, the Pricing Disclosure Package and the Prospectus which are not so disclosed.

2.5 Changes After Dates in Registration Statement.

2.5.1. No Material Adverse Change. Since the respective dates as of which information is given in the Registration Statement, the Pricing Disclosure Package and the Prospectus, except as otherwise specifically stated therein: (i) there has been no material adverse change in the financial position or results of operations of the Company, nor any change or development that, singularly or in the aggregate, would involve a material adverse change or a prospective material adverse change, in or affecting the condition (financial or otherwise), results of operations, business, assets or prospects of the Company (a "Material Adverse Change"); (ii) there have been no material transactions entered into by the Company, other than as contemplated pursuant to this Agreement; and (iii) no officer or director of the Company has resigned from any position with the Company.

2.5.2. Recent Securities Transactions, etc. Subsequent to the respective dates as of which information is given in the Registration Statement, the Pricing Disclosure Package and the Prospectus, and except as may otherwise be indicated or contemplated herein or disclosed in the Registration Statement, the Pricing Disclosure Package and the Prospectus, the Company has not: (i) issued any securities or incurred any liability or obligation, direct or contingent, for borrowed money; or (ii) declared or paid any dividend or made any other distribution on or in respect to its capital stock.

2.6 Independent Accountants. To the knowledge of the Company, Salberg & Company, P.A. (the "Auditor"), whose report is filed with the Commission as part of the Registration Statement, the Pricing Disclosure Package and the Prospectus, is an independent registered public accounting firm as required by the Securities Act and the Securities Act Regulations and the Public Company Accounting Oversight Board. The Auditor has not, during the periods covered by the financial statements included in the Registration Statement, the Pricing Disclosure Package and the Prospectus, provided to the Company any non-audit services, as such term is used in Section 10A(g) of the Exchange Act.

2.7 Financial Statements, etc. The financial statements, including the notes thereto and supporting schedules included in the Registration Statement, the Pricing Disclosure Package and the Prospectus, fairly present the financial position and the results of operations of the Company at the dates and for the periods to which they apply; and such financial statements have been prepared in conformity with U.S. generally accepted accounting principles ("GAAP"), consistently applied throughout the periods involved (provided that unaudited interim financial statements are subject to year-end audit adjustments that are not expected to be material in the aggregate and do not contain all footnotes required by GAAP); and the supporting schedules included in the Registration Statement present fairly the information required to be stated therein. Except as included therein, no historical or pro forma financial statements are required to be included in the Registration Statement, the Pricing Disclosure Package or the Prospectus under the Securities Act or the Securities Act Regulations. The pro forma and pro forma as adjusted financial information and the related notes, if any, included in the Registration Statement, the Pricing Disclosure Package and the Prospectus have been properly compiled and prepared in accordance with the applicable requirements of the Securities Act and the Securities Act Regulations and present fairly the information shown therein, and the assumptions used in the preparation thereof are reasonable and the adjustments used therein are appropriate to give effect to the transactions and circumstances referred to therein. All disclosures contained in the Registration Statement, the Pricing Disclosure Package or the Prospectus regarding "non-GAAP financial measures" (as such term is defined by the rules and regulations of the Commission), if any, comply with Regulation G of the Exchange Act and Item 10 of Regulation S-K of the Securities Act, to the extent applicable. Each of the Registration Statement, the Pricing Disclosure Package and the Prospectus discloses all material off-balance sheet transactions, arrangements, obligations (including contingent obligations), and other relationships of the Company with unconsolidated entities or other persons that may have a material current or future effect on the Company's financial condition, changes in financial condition, results of operations, liquidity,

capital expenditures, capital resources, or significant components of revenues or expenses. Except as disclosed in the Registration Statement, the Pricing Disclosure Package and the Prospectus, (a) neither the Company nor any of its direct and indirect subsidiaries, including each entity disclosed or described in the Registration Statement, the Pricing Disclosure Package and the Prospectus as being a subsidiary of the Company (each, a "Subsidiary" and, collectively, the "Subsidiaries"), has incurred any material liabilities or obligations, direct or contingent, or entered into any material transactions other than in the ordinary course of business, (b) the Company has not declared or paid any dividends or made any distribution of any kind with respect to its capital stock, (c) there has not been any change in the capital stock of the Company or any of its Subsidiaries, or, other than in the course of business, any grants under any stock compensation plan, and (d) there has not been any material adverse change in the Company's long-term or short-term debt.

2.8 Authorized Capital; Options, etc. The Company had, at the date or dates indicated in the Registration Statement, the Pricing Disclosure Package and the Prospectus, the duly authorized, issued and outstanding capitalization as set forth therein. Based on the assumptions stated in the Registration Statement, the Pricing Disclosure Package and the Prospectus, the Company will have on the Closing Date the adjusted stock capitalization set forth therein. Except as set forth in, or contemplated by, the Registration Statement, the Pricing Disclosure Package and the Prospectus, on the Effective Date, as of the Applicable Time and on the Closing Date and any Option Closing Date, there will be no stock options, warrants, or other rights to purchase or otherwise acquire any authorized, but unissued shares of Common Stock of the Company or any security convertible or exercisable into shares of Common Stock of the Company, or any contracts or commitments to issue or sell shares of Common Stock or any such options, warrants, rights or convertible securities.

2.9 Valid Issuance of Securities, etc.

2.9.1. Outstanding Securities. All issued and outstanding securities of the Company issued prior to the transactions contemplated by this Agreement have been duly authorized and validly issued and are fully paid and non-assessable; the holders thereof have no rights of rescission with respect thereto, and are not subject to personal liability by reason of being such holders; and none of such securities were issued in violation of the preemptive rights of any holders of any security of the Company or similar contractual rights granted by the Company. The authorized shares of Common Stock conform in all material respects to all statements relating thereto contained in the Registration Statement, the Pricing Disclosure Package and the Prospectus. The offers and sales of the outstanding shares of Common Stock were at all relevant times either registered under the Securities Act and the applicable state securities or "blue sky" laws or, based in part on the representations and warranties of the purchasers of such shares, exempt from such registration requirements.

2.9.2. Securities Sold Pursuant to this Agreement. The Public Securities and Representative's Securities have been duly authorized for issuance and sale and, when issued and paid for, will be validly issued, fully paid and non-assessable; the holders thereof are not and will not be subject to personal liability by reason of being such holders; the Public Securities and Representative's Securities are not and will not be subject to the preemptive rights of any holders of any security of the Company or similar contractual rights granted by the Company; and all corporate action required to be taken for the authorization, issuance and sale of the Public Securities and Representative's Securities has been duly and validly taken. The Public Securities and Representative's Securities conform in all material respects to all statements with respect thereto contained in the Registration Statement, the Pricing Disclosure Package and the Prospectus. All corporate action required to be taken for the authorization, issuance and sale of the Representative's Warrant Agreement has been duly and validly taken; the shares of Common Stock issuable upon exercise of the Representative's Warrant have been duly authorized and reserved for issuance by all necessary corporate action on the part of the Company and when paid for and issued in accordance with the Representative's Warrant and the Representative's Warrant Agreement,

such underlying shares of Common Stock will be validly issued, fully paid and non-assessable; the holders thereof are not and will not be subject to personal liability by reason of being such holders; and such shares of Common Stock are not and will not be subject to the preemptive rights of any holders of any security of the Company or similar contractual rights granted by the Company.

2.10 Registration Rights of Third Parties. Except as set forth in the Registration Statement, the Pricing Disclosure Package and the Prospectus, no holders of any securities of the Company or any rights exercisable for or convertible or exchangeable into securities of the Company have the right to require the Company to register any such securities of the Company under the Securities Act or to include any such securities in a registration statement to be filed by the Company.

2.11 Validity and Binding Effect of Agreements. This Agreement and the Representative's Warrant Agreement have been duly and validly authorized by the Company, and, when executed and delivered, will constitute, the valid and binding agreements of the Company, enforceable against the Company in accordance with their respective terms, except: (i) as such enforceability may be limited by bankruptcy, insolvency, reorganization or similar laws affecting creditors' rights generally; (ii) as enforceability of any indemnification or contribution provision may be limited under the federal and state securities laws; and (iii) that the remedy of specific performance and injunctive and other forms of equitable relief may be subject to the equitable defenses and to the discretion of the court before which any proceeding therefor may be brought.

2.12 No Conflicts, etc. The execution, delivery and performance by the Company of this Agreement, the Representative's Warrant Agreement and all ancillary documents, the consummation by the Company of the transactions herein and therein contemplated and the compliance by the Company with the terms hereof and thereof do not and will not, with or without the giving of notice or the lapse of time or both: (i) result in a material breach of, or conflict with any of the terms and provisions of, or constitute a material default under, or result in the creation, modification, termination or imposition of any lien, charge or encumbrance upon any property or assets of the Company pursuant to the terms of any agreement or instrument to which the Company is a party; (ii) result in any violation of the provisions of the Company's Articles of Incorporation (as the same may be amended or restated from time to time, the "Charter") or the by-laws of the Company; or (iii) violate any existing applicable law, rule, regulation, judgment, order or decree of any Governmental Entity as of the date hereof.

2.13 No Defaults; Violations. No material default exists in the due performance and observance of any term, covenant or condition of any material license, contract, indenture, mortgage, deed of trust, note, loan or credit agreement, or any other agreement or instrument evidencing an obligation for borrowed money, or any other material agreement or instrument to which the Company is a party or by which the Company may be bound or to which any of the properties or assets of the Company is subject. The Company is not in violation of any term or provision of its Charter or by-laws, or in violation of any franchise, license, permit, applicable law, rule, regulation, judgment or decree of any Governmental Entity.

2.14 Corporate Power; Licenses; Consents.

2.14.1. Conduct of Business. Except as described in the Registration Statement, the Pricing Disclosure Package and the Prospectus, the Company has all requisite corporate power and authority, and has all necessary authorizations, approvals, orders, licenses, certificates and permits of and from all governmental regulatory officials and bodies that it needs as of the date hereof to conduct its business purpose as described in the Registration Statement, the Pricing Disclosure Package and the Prospectus.

2.14.2. Transactions Contemplated Herein. The Company has all corporate power and authority to enter into this Agreement and to carry out the provisions and conditions hereof, and all consents, authorizations, approvals and orders required in connection therewith have been obtained. No consent, authorization or order of, and no filing with, any court, government agency or other body is required for the valid issuance, sale and delivery of the Public Securities and the consummation of the transactions and agreements contemplated by this Agreement and the Representative's Warrant Agreement and as contemplated by the Registration Statement, the Pricing Disclosure Package and the Prospectus, except with respect to applicable federal and state securities laws and the rules and regulations of the Financial Industry Regulatory Authority, Inc. ("FINRA").

2.15 D&O Questionnaires. To the Company's knowledge, all information contained in the questionnaires (the "Questionnaires") completed by each of the Company's directors and officers immediately prior to the Offering (the "Insiders") as supplemented by all information concerning the Company's directors, officers and principal shareholders as described in the Registration Statement, the Pricing Disclosure Package and the Prospectus, as well as in the Lock-Up Agreement (as defined in Section 2.24 below), provided to the Underwriters, is true and correct in all material respects and the Company has not become aware of any information which would cause the information disclosed in the Questionnaires to become materially inaccurate and incorrect.

2.16 Litigation; Governmental Proceedings. There is no action, suit, proceeding, inquiry, arbitration, investigation, litigation or governmental proceeding pending or, to the Company's knowledge, threatened against, or involving the Company or, to the Company's knowledge, any executive officer or director which has not been disclosed in the Registration Statement, the Pricing Disclosure Package and the Prospectus or in connection with the Company's listing application for the listing of the Public Securities on the Exchange.

2.17 Good Standing. The Company has been duly organized and is validly existing as a corporation and is in good standing under the laws of the State of Florida as of the date hereof, and is duly qualified to do business and is in good standing in each other jurisdiction in which its ownership or lease of property or the conduct of business requires such qualification, except where the failure to qualify, singularly or in the aggregate, would not have or reasonably be expected to result in a Material Adverse Change.

2.18 Insurance. The Company carries or is entitled to the benefits of insurance, with reputable insurers, in such amounts and covering such risks which the Company believes are adequate, including, but not limited to, directors and officers insurance coverage at least equal to $2,000,000 [and the Company has included each Underwriter as an additional insured party to the directors and officers insurance coverage and all such insurance is in full force and effect]. The Company has no reason to believe that it will not be able (i) to renew its existing insurance coverage as and when such policies expire or (ii) to obtain comparable coverage from similar institutions as may be necessary or appropriate to conduct its business as now conducted and at a cost that would not result in a Material Adverse Change.

2.19 Transactions Affecting Disclosure to FINRA.

2.19.1. Finder's Fees. Except as described in the Registration Statement, the Pricing Disclosure Package and the Prospectus, there are no claims, payments, arrangements, agreements or understandings relating to the payment of a finder's, consulting or origination fee by the Company or any Insider with respect to the sale of the Public Securities hereunder or any other arrangements, agreements or understandings of the Company or, to the Company's knowledge, any of its shareholders that may affect the Underwriters' compensation, as determined by FINRA.

2.19.2. Payments Within Twelve (12) Months. Except as described in the Registration Statement, the Pricing Disclosure Package and the Prospectus, the Company has not made any direct or indirect payments (in cash, securities or otherwise) to: (i) any person, as a finder's fee, consulting fee or otherwise, in consideration of such person raising capital for the Company or introducing to the Company persons who raised or provided capital to the Company; (ii) any FINRA member; or (iii) any person or entity that has any direct or indirect affiliation or association with any FINRA member, within the twelve (12) months prior to the Effective Date, other than the payment to the Underwriters as provided hereunder in connection with the Offering.

2.19.3. Use of Proceeds. None of the net proceeds of the Offering will be paid by the Company to any participating FINRA member or its affiliates, except as specifically authorized herein.

2.19.4. FINRA Affiliation. There is no (i) officer or director of the Company, (ii) beneficial owner of 5% or more of any class of the Company's securities or (iii) beneficial owner of the Company's unregistered equity securities which were acquired during the 180-day period immediately preceding the filing of the Registration Statement that is an affiliate or associated person of a FINRA member participating in the Offering (as determined in accordance with the rules and regulations of FINRA).

2.19.5. Information. All information provided by the Company in its FINRA questionnaire to Representative Counsel specifically for use by Representative Counsel in connection with its Public Offering System filings (and related disclosure) with FINRA is true, correct and complete in all material respects.

2.20 Foreign Corrupt Practices Act. None of the Company and its Subsidiaries or, to the Company's knowledge, any director, officer, agent, employee or affiliate of the Company and its Subsidiaries or any other person acting on behalf of the Company and its Subsidiaries, has, directly or indirectly, given or agreed to give any money, gift or similar benefit (other than legal price concessions to customers in the ordinary course of business) to any customer, supplier, employee or agent of a customer or supplier, or official or employee of any governmental agency or instrumentality of any government (domestic or foreign) or any political party or candidate for office (domestic or foreign) or other person who was, is, or may be in a position to help or hinder the business of the Company (or assist it in connection with any actual or proposed transaction) that (i) might subject the Company to any damage or penalty in any civil, criminal or governmental litigation or proceeding, (ii) if not given in the past, might have had a Material Adverse Change or (iii) if not continued in the future, might adversely affect the assets, business, operations or prospects of the Company. The Company has taken reasonable steps to ensure that its accounting controls and procedures are sufficient to cause the Company to comply in all material respects with the Foreign Corrupt Practices Act of 1977, as amended.

2.21 Compliance with OFAC. None of the Company and its Subsidiaries or, to the Company's knowledge, any director, officer, agent, employee or affiliate of the Company and its Subsidiaries or any other person acting on behalf of the Company and its Subsidiaries, is currently subject to any U.S. sanctions administered by the Office of Foreign Assets Control of the U.S. Department of the Treasury ("OFAC"), and the Company will not, directly or indirectly, use the proceeds of the Offering hereunder, or lend, contribute or otherwise make available such proceeds to any subsidiary, joint venture partner or other person or entity, for the purpose of financing the activities of any person currently subject to any U.S. sanctions administered by OFAC.

2.22 Money Laundering Laws. The operations of the Company and its Subsidiaries are and have been conducted at all times in compliance with applicable financial recordkeeping and reporting requirements of the Currency and Foreign Transactions Reporting Act of 1970, as amended, the money laundering statutes of all jurisdictions, the rules and regulations thereunder and any related or similar

rules, regulations or guidelines, issued, administered or enforced by any Governmental Entity (collectively, the "Money Laundering Laws"); and no action, suit or proceeding by or before any Governmental Entity involving the Company with respect to the Money Laundering Laws is pending or, to the best knowledge of the Company, threatened.

2.23 Officers' Certificate. Any certificate signed by any duly authorized officer of the Company and delivered to you or to Representative Counsel shall be deemed a representation and warranty by the Company to the Underwriters as to the matters covered thereby.

2.24 Lock-Up Agreements. Schedule 3 hereto contains a complete and accurate list of the Company's officers, directors and each owner of at least 5% of the Company's outstanding shares of Common Stock (or securities convertible or exercisable into shares of Common Stock) and the holders of outstanding debt of the Company that will convert such debt into Common Stock upon consummation of this Offering (collectively, the "Lock-Up Parties"). The Company has caused each of the Lock-Up Parties to deliver to the Representative an executed Lock-Up Agreement, in the form attached hereto as Exhibit B (the "Lock-Up Agreement"), prior to the execution of this Agreement.

2.25 Subsidiaries. All direct and indirect Subsidiaries of the Company are duly organized and in good standing under the laws of the place of organization or incorporation, and each Subsidiary is in good standing in each jurisdiction in which its ownership or lease of property or the conduct of business requires such qualification, except where the failure to qualify would not have a material adverse effect on the assets, business or operations of the Company taken as a whole. The Company's ownership and control of each Subsidiary is as described in the Registration Statement, the Pricing Disclosure Package and the Prospectus.

2.26 Related Party Transactions. There are no business relationships or related party transactions involving the Company or any other person required to be described in the Registration Statement, the Pricing Disclosure Package and the Prospectus that have not been described as required.

2.27 Board of Directors. The Board of Directors of the Company is comprised of the persons set forth under the heading of the Pricing Prospectus and the Prospectus captioned "Management." The qualifications of the persons serving as board members and the overall composition of the board comply with the Exchange Act, the Exchange Act Regulations, the Sarbanes-Oxley Act of 2002 and the rules promulgated thereunder (the "Sarbanes-Oxley Act") applicable to the Company and the listing rules of the Exchange. At least one member of the Audit Committee of the Board of Directors of the Company qualifies as an "audit committee financial expert," as such term is defined under Regulation S-K and the listing rules of the Exchange. In addition, at least a majority of the persons serving on the Board of Directors qualify as "independent," as defined under the listing rules of the Exchange.

2.28 Sarbanes-Oxley Compliance.

2.28.1. Disclosure Controls. The Company has developed and currently maintains disclosure controls and procedures that will comply with Rule 13a-15 or 15d-15 under the Exchange Act Regulations, and such controls and procedures are effective to ensure that all material information concerning the Company will be made known on a timely basis to the individuals responsible for the preparation of the Company's Exchange Act filings and other public disclosure documents.

2.28.2. Compliance. The Company is, or at the Applicable Time and on the Closing Date will be, in material compliance with the provisions of the Sarbanes-Oxley Act applicable to it, and has implemented or will implement such programs and taken reasonable steps to ensure the Company's future compliance (not later than the relevant statutory and regulatory deadlines therefor) with all of the material provisions of the Sarbanes-Oxley Act.

2.29 Accounting Controls. The Company and its Subsidiaries maintain systems of "internal control over financial reporting" (as defined under Rules 13a-15 and 15d-15 under the Exchange Act Regulations) that comply with the requirements of the Exchange Act and have been designed by, or under the supervision of, their respective principal executive and principal financial officers, or persons performing similar functions, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with GAAP, including, but not limited to, internal accounting controls sufficient to provide reasonable assurance that (i) transactions are executed in accordance with management's general or specific authorizations; (ii) transactions are recorded as necessary to permit preparation of financial statements in conformity with GAAP and to maintain asset accountability; (iii) access to assets is permitted only in accordance with management's general or specific authorization; and (iv) the recorded accountability for assets is compared with the existing assets at reasonable intervals and appropriate action is taken with respect to any differences. Except as disclosed in the Registration Statement, the Pricing Disclosure Package and the Prospectus, the Company is not aware of any material weaknesses in its internal controls. The Company's auditors and the Audit Committee of the Board of Directors of the Company have been advised of: (i) all significant deficiencies and material weaknesses in the design or operation of internal controls over financial reporting which are known to the Company's management and that have adversely affected or are reasonably likely to adversely affect the Company' ability to record, process, summarize and report financial information; and (ii) any fraud known to the Company's management, whether or not material, that involves management or other employees who have a significant role in the Company's internal controls over financial reporting.

2.30 No Investment Company Status. The Company is not and, after giving effect to the Offering and the application of the proceeds thereof as described in the Registration Statement, the Pricing Disclosure Package and the Prospectus, will not be, required to register as an "investment company," as defined in the Investment Company Act of 1940, as amended.

2.31 No Labor Disputes. No labor dispute with the employees of the Company or any of its Subsidiaries exists or, to the knowledge of the Company, is imminent.

2.32 Intellectual Property Rights. The Company and each of its Subsidiaries owns or possesses or has valid rights to use all patents, patent applications, trademarks, service marks, trade names, trademark registrations, service mark registrations, copyrights, licenses, inventions, trade secrets and similar rights ("Intellectual Property Rights") necessary for the conduct of the business of the Company and its Subsidiaries as currently carried on and as described in the Registration Statement, the Pricing Disclosure Package and the Prospectus. To the knowledge of the Company, no action or use by the Company or any of its Subsidiaries necessary for the conduct of its business as currently carried on and as described in the Registration Statement and the Prospectus will involve or give rise to any infringement of, or license or similar fees for, any Intellectual Property Rights of others. Neither the Company nor any of its Subsidiaries has received any notice alleging any such infringement, fee or conflict with asserted Intellectual Property Rights of others. Except as would not reasonably be expected to result, individually or in the aggregate, in a Material Adverse Change (A) to the knowledge of the Company, there is no infringement, misappropriation or violation by third parties of any of the Intellectual Property Rights owned by the Company; (B) there is no pending or, to the knowledge of the Company, threatened action, suit, proceeding or claim by others challenging the rights of the Company in or to any such Intellectual Property Rights, and the Company is unaware of any facts which would form a reasonable basis for any such claim, that would, individually or in the aggregate, together with any other claims in this Section 2.34, reasonably be expected to result in a Material Adverse Change; (C) the Intellectual Property Rights owned by the Company and, to the knowledge of the Company, the Intellectual Property Rights licensed to the Company have not been adjudged by a court of competent jurisdiction invalid or unenforceable, in whole or in part, and there is no pending or, to the Company's knowledge, threatened action, suit, proceeding or claim by others challenging the validity or scope of any

such Intellectual Property Rights, and the Company is unaware of any facts which would form a reasonable basis for any such claim that would, individually or in the aggregate, together with any other claims in this Section 2.34, reasonably be expected to result in a Material Adverse Change; (D) there is no pending or, to the Company's knowledge, threatened action, suit, proceeding or claim by others that the Company infringes, misappropriates or otherwise violates any Intellectual Property Rights or other proprietary rights of others, the Company has not received any written notice of such claim and the Company is unaware of any other facts which would form a reasonable basis for any such claim that would, individually or in the aggregate, together with any other claims in this Section 2.34, reasonably be expected to result in a Material Adverse Change; and (E) to the Company's knowledge, no employee of the Company is in or has ever been in violation in any material respect of any term of any employment contract, patent disclosure agreement, invention assignment agreement, non-competition agreement, non-solicitation agreement, nondisclosure agreement or any restrictive covenant to or with a former employer where the basis of such violation relates to such employee's employment with the Company, or actions undertaken by the employee while employed with the Company and could reasonably be expected to result, individually or in the aggregate, in a Material Adverse Change. To the Company's knowledge, all material technical information developed by and belonging to the Company which has not been patented has been kept confidential. The Company is not a party to or bound by any options, licenses or agreements with respect to the Intellectual Property Rights of any other person or entity that are required to be set forth in the Registration Statement, the Pricing Disclosure Package and the Prospectus and are not described therein. The Registration Statement, the Pricing Disclosure Package and the Prospectus contain in all material respects the same description of the matters set forth in the preceding sentence. None of the technology employed by the Company has been obtained or is being used by the Company in violation of any contractual obligation binding on the Company or, to the Company's knowledge, any of its officers, directors or employees, or otherwise in violation of the rights of any persons..

2.33 Taxes. Except as disclosed in the Registration Statement, each of the Company and its Subsidiaries has filed all returns (as hereinafter defined) required to be filed with taxing authorities prior to the date hereof or has duly obtained extensions of time for the filing thereof. Except as disclosed in the Registration Statement, each of the Company and its Subsidiaries has paid all taxes (as hereinafter defined) shown as due on such returns that were filed and has paid all taxes imposed on or assessed against the Company or such respective Subsidiary. The provisions for taxes payable, if any, shown on the financial statements filed with or as part of the Registration Statement are sufficient for all accrued and unpaid taxes, whether or not disputed, and for all periods to and including the dates of such consolidated financial statements. Except as disclosed in the Registration Statement and in writing to the Underwriters, (i) no issues have been raised (and are currently pending) by any taxing authority in connection with any of the returns or taxes asserted as due from the Company or its Subsidiaries, and (ii) no waivers of statutes of limitation with respect to the returns or collection of taxes have been given by or requested from the Company or its Subsidiaries. The term "taxes" means all federal, state, local, foreign and other net income, gross income, gross receipts, sales, use, ad valorem, transfer, franchise, profits, license, lease, service, service use, withholding, payroll, employment, excise, severance, stamp, occupation, premium, property, windfall profits, customs, duties or other taxes, fees, assessments or charges of any kind whatever, together with any interest and any penalties, additions to tax or additional amounts with respect thereto. The term "returns" means all returns, declarations, reports, statements and other documents required to be filed in respect to taxes.

2.34 ERISA Compliance. The Company does not currently have an effective "employee benefit plan" as defined under the Employee Retirement Income Security Act of 1974, as amended, and the regulations and published interpretations thereunder (collectively, "ERISA").

2.35 Compliance with Laws. The Company: (A) is and at all times has been in compliance with all statutes, rules, or regulations applicable to the ownership, testing, development, manufacture, packaging, processing, use, distribution, marketing, labeling, promotion, sale, offer for sale, storage,

import, export or disposal of any product manufactured or distributed by the Company ("Applicable Laws"), except as could not, individually or in the aggregate, reasonably be expected to have a Material Adverse Change; (B) has not received any warning letter, untitled letter or other correspondence or notice from any other governmental authority alleging or asserting noncompliance with any Applicable Laws or any licenses, certificates, approvals, clearances, authorizations, permits and supplements or amendments thereto required by any such Applicable Laws ("Authorizations");(C) possesses all material Authorizations and such Authorizations are valid and in full force and effect and are not in material violation of any term of any such Authorizations; (D) has not received notice of any claim, action, suit, proceeding, hearing, enforcement, investigation, arbitration or other action from any governmental authority or third party alleging that any product operation or activity is in violation of any Applicable Laws or Authorizations and has no knowledge that any such governmental authority or third party is considering any such claim, litigation, arbitration, action, suit, investigation or proceeding; (E) has not received notice that any governmental authority has taken, is taking or intends to take action to limit, suspend, modify or revoke any Authorizations and has no knowledge that any such governmental authority is considering such action; and (F) has filed, obtained, maintained or submitted all material reports, documents, forms, notices, applications, records, claims, submissions and supplements or amendments as required by any Applicable Laws or Authorizations and that all such reports, documents, forms, notices, applications, records, claims, submissions and supplements or amendments were complete and correct on the date filed (or were corrected or supplemented by a subsequent submission); and (G) has not, either voluntarily or involuntarily, initiated, conducted, or issued or caused to be initiated, conducted or issued, any recall, market withdrawal or replacement, safety alert, post-sale warning, "dear doctor" letter, or other notice or action relating to the alleged lack of safety or efficacy of any product or any alleged product defect or violation and, to the Company's knowledge, no third party has initiated, conducted or intends to initiate any such notice or action.

2.36 Real Property. Except as set forth in the Registration Statement, the Pricing Disclosure Package and the Prospectus, the Company and its Subsidiaries have good and marketable title in fee simple to, or have valid rights to lease or otherwise use, all items of real or personal property which are material to the business of the Company and its Subsidiaries taken as a whole, in each case free and clear of all liens, encumbrances, security interests, claims and defects that do not, singly or in the aggregate, materially affect the value of such property and do not interfere with the use made and proposed to be made of such property by the Company or its Subsidiaries; and all of the leases and subleases material to the business of the Company and its subsidiaries, considered as one enterprise, and under which the Company or any of its Subsidiaries holds properties described in the Registration Statement, the Pricing Disclosure Package and the Prospectus, are in full force and effect, and neither the Company nor any Subsidiary has received any notice of any material claim of any sort that has been asserted by anyone adverse to the rights of the Company or any Subsidiary under any of the leases or subleases mentioned above, or affecting or questioning the rights of the Company or such Subsidiary to the continued possession of the leased or subleased premises under any such lease or sublease.

2.37 Contracts Affecting Capital. There are no transactions, arrangements or other relationships between and/or among the Company, any of its affiliates (as such term is defined in Rule 405 of the Securities Act Regulations) and any unconsolidated entity, including, but not limited to, any structured finance, special purpose or limited purpose entity that could reasonably be expected to materially affect the Company's or its Subsidiaries' liquidity or the availability of or requirements for their capital resources required to be described or incorporated by reference in the Registration Statement, the Pricing Disclosure Package and the Prospectus which have not been described or incorporated by reference as required.

2.38 Loans to Directors or Officers. There are no outstanding loans, advances (except normal advances for business expenses in the ordinary course of business) or guarantees or indebtedness by the Company or its Subsidiaries to or for the benefit of any of the officers or directors of the Company, its

Subsidiaries or any of their respective family members, except as disclosed in the Registration Statement, the Pricing Disclosure Package and the Prospectus.

2.39 Smaller Reporting Company. As of the time of filing of the Registration Statement, the Company was a "smaller reporting company," as defined in Rule 12b-2 of the Exchange Act Regulations.

2.40 Industry Data. The statistical and market-related data included in each of the Registration Statement, the Pricing Disclosure Package and the Prospectus are based on or derived from sources that the Company reasonably and in good faith believes are reliable and accurate or represent the Company's good faith estimates that are made on the basis of data derived from such sources.

2.41 Reverse Stock Split. The Company has effectuated a reverse stock split of its shares of Common Stock on the basis of one (1) such share for each thirty-five (35) issued and outstanding shares thereof (the "Reverse Stock Split").

2.42 Intentionally Omitted.

2.43 Margin Securities. The Company owns no "margin securities" as that term is defined in Regulation U of the Board of Governors of the Federal Reserve System (the "Federal Reserve Board"), and none of the proceeds of Offering will be used, directly or indirectly, for the purpose of purchasing or carrying any margin security, for the purpose of reducing or retiring any indebtedness which was originally incurred to purchase or carry any margin security or for any other purpose which might cause any of the shares of Common Stock to be considered a "purpose credit" within the meanings of Regulation T, U or X of the Federal Reserve Board.

3. Covenants of the Company. The Company covenants and agrees as follows:

3.1 Amendments to Registration Statement. The Company shall deliver to the Representative, prior to filing, any amendment or supplement to the Registration Statement or Prospectus proposed to be filed after the Effective Date and not file any such amendment or supplement to which the Representative shall reasonably object in writing.

3.2 Federal Securities Laws.

3.2.1. Compliance. The Company, subject to Section 3.2.2, shall comply with the requirements of Rule 430A of the Securities Act Regulations, and will notify the Representative promptly, and confirm the notice in writing, (i) when any post-effective amendment to the Registration Statement shall become effective or any amendment or supplement to the Prospectus shall have been filed; (ii) of the receipt of any comments from the Commission; (iii) of any request by the Commission for any amendment to the Registration Statement or any amendment or supplement to the Prospectus or for additional information; (iv) of the issuance by the Commission of any stop order suspending the effectiveness of the Registration Statement or any post-effective amendment or of any order preventing or suspending the use of any Preliminary Prospectus or the Prospectus, or of the suspension of the qualification of the Public Securities and Representative's Securities for offering or sale in any jurisdiction, or of the initiation or threatening of any proceedings for any of such purposes or of any examination pursuant to Section 8(d) or 8(e) of the Securities Act concerning the Registration Statement and (v) if the Company becomes the subject of a proceeding under Section 8A of the Securities Act in connection with the Offering of the Public Securities and Representative's Securities. The Company shall effect all filings required under Rule 424(b) of the Securities Act Regulations, in the manner and within the time period required by Rule 424(b) (without reliance on Rule 424(b)(8)), and shall take such steps as it deems necessary to ascertain promptly whether the form of prospectus transmitted for filing under Rule 424(b) was received for filing by the Commission and, in the event that it was not, it will promptly file

such prospectus. The Company shall use its best efforts to prevent the issuance of any stop order, prevention or suspension and, if any such order is issued, to obtain the lifting thereof at the earliest possible moment.

3.2.2. Continued Compliance. The Company shall comply with the Securities Act, the Securities Act Regulations, the Exchange Act and the Exchange Act Regulations so as to permit the completion of the distribution of the Public Securities as contemplated in this Agreement and in the Registration Statement, the Pricing Disclosure Package and the Prospectus. If at any time when a prospectus relating to the Public Securities is (or, but for the exception afforded by Rule 172 of the Securities Act Regulations ("Rule 172"), would be) required by the Securities Act to be delivered in connection with sales of the Public Securities, any event shall occur or condition shall exist as a result of which it is necessary, in the opinion of counsel for the Underwriters or for the Company, to (i) amend the Registration Statement in order that the Registration Statement will not include an untrue statement of a material fact or omit to state a material fact required to be stated therein or necessary to make the statements therein not misleading; (ii) amend or supplement the Pricing Disclosure Package or the Prospectus in order that the Pricing Disclosure Package or the Prospectus, as the case may be, will not include any untrue statement of a material fact or omit to state a material fact necessary in order to make the statements therein not misleading in the light of the circumstances existing at the time it is delivered to a purchaser or (iii) amend the Registration Statement or amend or supplement the Pricing Disclosure Package or the Prospectus, as the case may be, in order to comply with the requirements of the Securities Act or the Securities Act Regulations, the Company will promptly (A) give the Representative notice of such event; (B) prepare any amendment or supplement as may be necessary to correct such statement or omission or to make the Registration Statement, the Pricing Disclosure Package or the Prospectus comply with such requirements and, a reasonable amount of time prior to any proposed filing or use, furnish the Representative with copies of any such amendment or supplement and (C) file with the Commission any such amendment or supplement; provided that the Company shall not file or use any such amendment or supplement to which the Representative or counsel for the Underwriters shall reasonably object. The Company will furnish to the Underwriters such number of copies of such amendment or supplement as the Underwriters may reasonably request. The Company has given the Representative notice of any filings made pursuant to the Exchange Act or the Exchange Act Regulations within 48 hours prior to the Applicable Time. The Company shall give the Representative notice of its intention to make any such filing from the Applicable Time until the later of the Closing Date and the exercise in full or expiration of the Over-allotment Option specified in Section 1.2 hereof and will furnish the Representative with copies of the related document(s) a reasonable amount of time prior to such proposed filing, as the case may be, and will not file or use any such document to which the Representative or counsel for the Underwriters shall reasonably object.

3.2.3. Exchange Act Registration. For a period of three (3) years after the date of this Agreement, the Company shall use its best efforts to maintain the registration of the shares of Common Stock under the Exchange Act. The Company shall not deregister the shares of Common Stock under the Exchange Act without the prior written consent of the Representative.

3.2.4. Free Writing Prospectuses. The Company agrees that, unless it obtains the prior written consent of the Representative, it shall not make any offer relating to the Public Securities that would constitute an Issuer Free Writing Prospectus or that would otherwise constitute a "free writing prospectus," or a portion thereof, required to be filed by the Company with the Commission or retained by the Company under Rule 433; provided that the Representative shall be deemed to have consented to each Issuer General Use Free Writing Prospectus hereto and any "road show that is a written communication" within the meaning of Rule 433(d)(8)(i) that has been reviewed by the Representative. The Company represents that it has treated or agrees that it will treat each such free writing prospectus consented to, or deemed consented to, by the Underwriters as an "issuer free writing prospectus," as defined in Rule 433, and that it has complied and will comply with the applicable requirements of Rule

433 with respect thereto, including timely filing with the Commission where required, legending and record keeping. If at any time following issuance of an Issuer Free Writing Prospectus there occurred or occurs an event or development as a result of which such Issuer Free Writing Prospectus conflicted or would conflict with the information contained in the Registration Statement or included or would include an untrue statement of a material fact or omitted or would omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances existing at that subsequent time, not misleading, the Company will promptly notify the Underwriters and will promptly amend or supplement, at its own expense, such Issuer Free Writing Prospectus to eliminate or correct such conflict, untrue statement or omission.

3.3 Delivery to the Underwriters of Registration Statements. The Company has delivered or made available or shall deliver or make available to the Representative and counsel for the Representative, without charge, signed copies of the Registration Statement as originally filed and each amendment thereto (including exhibits filed therewith) and signed copies of all consents and certificates of experts, and will also deliver to the Underwriters, without charge, a conformed copy of the Registration Statement as originally filed and each amendment thereto (without exhibits) for each of the Underwriters. The copies of the Registration Statement and each amendment thereto furnished to the Underwriters will be identical to the electronically transmitted copies thereof filed with the Commission pursuant to EDGAR, except to the extent permitted by Regulation S-T.

3.4 Delivery to the Underwriters of Prospectuses. The Company has delivered or made available or will deliver or make available to each Underwriter, without charge, as many copies of each Preliminary Prospectus as such Underwriter reasonably requested, and the Company hereby consents to the use of such copies for purposes permitted by the Securities Act. The Company will furnish to each Underwriter, without charge, during the period when a prospectus relating to the Public Securities is (or, but for the exception afforded by Rule 172, would be) required to be delivered under the Securities Act, such number of copies of the Prospectus (as amended or supplemented) as such Underwriter may reasonably request. The Prospectus and any amendments or supplements thereto furnished to the Underwriters will be identical to the electronically transmitted copies thereof filed with the Commission pursuant to EDGAR, except to the extent permitted by Regulation S-T.

3.5 Effectiveness and Events Requiring Notice to the Representative. The Company shall use its best efforts to cause the Registration Statement to remain effective with a current prospectus for at least nine (9) months after the Applicable Time, and shall notify the Representative immediately and confirm the notice in writing: (i) of the effectiveness of the Registration Statement and any amendment thereto; (ii) of the issuance by the Commission of any stop order or of the initiation, or the threatening, of any proceeding for that purpose; (iii) of the issuance by any state securities commission of any proceedings for the suspension of the qualification of the Public Securities for offering or sale in any jurisdiction or of the initiation, or the threatening, of any proceeding for that purpose; (iv) of the mailing and delivery to the Commission for filing of any amendment or supplement to the Registration Statement or Prospectus; (v) of the receipt of any comments or request for any additional information from the Commission; and (vi) of the happening of any event during the period described in this Section 3.5 that, in the judgment of the Company, makes any statement of a material fact made in the Registration Statement, the Pricing Disclosure Package or the Prospectus untrue or that requires the making of any changes in (a) the Registration Statement in order to make the statements therein not misleading, or (b) in the Pricing Disclosure Package or the Prospectus in order to make the statements therein, in light of the circumstances under which they were made, not misleading. If the Commission or any state securities commission shall enter a stop order or suspend such qualification at any time, the Company shall make every reasonable effort to obtain promptly the lifting of such order.

3.6 Review of Financial Statements. For a period of five (5) years after the date of this Agreement, the Company, at its expense, shall cause its regularly engaged independent registered public

accounting firm to review (but not audit) the Company's financial statements for each of the three fiscal quarters immediately preceding the announcement of any quarterly financial information.

3.7 Listing. The Company shall use its reasonable best efforts to maintain the listing of the shares of Common Stock (including the Public Securities) and warrants to purchase Common Stock on the Exchange for at least three years from the date of this Agreement.

3.8 Financial Public Relations Firm. As of the Effective Date, the Company shall have retained a financial public relations firm reasonably acceptable to the Representative and the Company, which shall initially be [PUBLIC RELATIONS FIRM][2], which firm shall be experienced in assisting issuers in initial public offerings of securities and in their relations with their security holders, and shall retain such firm or another firm reasonably acceptable to the Representative for a period of not less than two (2) years after the Effective Date.

3.9 Reports to the Representative.

3.9.1. Periodic Reports, etc. For a period of three (3) years after the date of this Agreement, the Company shall furnish or make available to the Representative copies of such financial statements and other periodic and special reports as the Company from time to time furnishes generally to holders of any class of its securities and also promptly furnish to the Representative: (i) a copy of each periodic report the Company shall be required to file with the Commission under the Exchange Act and the Exchange Act Regulations; (ii) a copy of every press release and every news item and article with respect to the Company or its affairs which was released by the Company; (iii) a copy of each Form 8-K prepared and filed by the Company; (iv) five copies of each registration statement filed by the Company under the Securities Act; and (v) such additional documents and information with respect to the Company and the affairs of any future subsidiaries of the Company as the Representative may from time to time reasonably request; provided the Representative shall sign, if requested by the Company, a Regulation FD compliant confidentiality agreement which is reasonably acceptable to the Representative and Representative Counsel in connection with the Representative's receipt of such information. Documents filed with the Commission pursuant to its EDGAR system shall be deemed to have been delivered to the Representative pursuant to this Section 3.9.1.

3.9.2. Transfer Agent; Transfer Sheets. For a period of three (3) years after the date of this Agreement, the Company shall retain a transfer agent and registrar acceptable to the Representative (the "Transfer Agent") and shall furnish to the Representative at the Company's sole cost and expense such transfer sheets of the Company's securities as the Representative may reasonably request, including the daily and monthly consolidated transfer sheets of the Transfer Agent and DTC. Pacific Stock Transfer Company is acceptable to the Representative to act as Transfer Agent for the shares of Common Stock.

3.9.3. Trading Reports. During such time as the Public Securities are listed on the Exchange, the Company shall provide to the Representative, at the Company's expense, such reports published by Exchange relating to price trading of the Public Securities, as the Representative shall reasonably request.

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2 JG To advise.

3.10 Payment of Expenses

3.10.1. General Expenses Related to the Offering. The Company hereby agrees to pay on each of the Closing Date and the Option Closing Date, if any, to the extent not paid at the Closing Date, all expenses incident to the performance of the obligations of the Company under this Agreement, including, but not limited to: (a) all filing fees and communication expenses relating to the registration of the Firm Securities to be sold in the Offering (including the Option Securities) with the Commission; (b) all Public Filing System filing fees associated with the review of the Offering by FINRA; (c) all fees and expenses relating to the listing of such Public Securities on the Exchange and such other stock exchanges as the Company and the Representative together determine; (d) all fees, expenses and disbursements relating to background checks of the Company's officers and directors in an amount not to exceed $15,000 in the aggregate; (e) all fees, expenses and disbursements relating to the registration or qualification of the Public Securities under the "blue sky" securities laws of such states and other jurisdictions as the Representative may reasonably designate (including, without limitation, all filing and registration fees, it being agreed that if the Offering is commenced on the Exchange, the Company shall make a payment of $5,000 to such counsel at Closing, or if the Offering is commenced on the Over-the-Counter Bulletin Board, the Company shall make a payment of $15,000 to such counsel upon the commencement of "blue sky" work by such counsel and an additional $5,000 at Closing); (f) all fees, expenses and disbursements relating to the registration, qualification or exemption of the Public Securities under the securities laws of such foreign jurisdictions as the Representative may reasonably designate; (g) the costs of all mailing and printing of the underwriting documents (including, without limitation, the Underwriting Agreement, any Blue Sky Surveys and, if appropriate, any Agreement Among Underwriters, Selected Dealers' Agreement, Underwriters' Questionnaire and Power of Attorney), Registration Statements, Prospectuses and all amendments, supplements and exhibits thereto and as many preliminary and final Prospectuses as the Representative may reasonably deem necessary; (h) the costs and expenses of a public relations firm; (i) the costs of preparing, printing and delivering certificates representing the Public Securities; (j) fees and expenses of the transfer agent for the shares of Common Stock; (k) stock transfer and/or stamp taxes, if any, payable upon the transfer of securities from the Company to the Underwriters; (l) to the extent approved by the Company in writing, the costs associated with post-Closing advertising the Offering in the national editions of the Wall Street Journal and New York Times; (m) the costs associated with one set of bound volumes of the public offering materials as well as commemorative mementos and lucite tombstones, not to exceed $2,500; (n) the fees and expenses of the Company's accountants; (o) the fees and expenses of the Company's legal counsel and other agents and representatives; (p) fees and expenses of the Representative's legal counsel not to exceed $75,000; (q) the $29,500 cost associated with the Underwriter's use of Ipreo's book-building, prospectus tracking and compliance software for the Offering; and (r) up to $20,000 of the Underwriters' actual accountable "road show" expenses for the Offering. The Representative may deduct from the net proceeds of the Offering payable to the Company on the Closing Date, or the Option Closing Date, if any, the expenses set forth herein to be paid by the Company to the Underwriters.

3.10.2. Non-accountable Expenses. The Company further agrees, in compliance with FINRA Rule 5110(f)(2)(C) that, in addition to the expenses payable pursuant to Section 3.10.1, on the Closing Date it shall pay to the Representative, by deduction from the net proceeds of the Offering contemplated herein, a non-accountable expense allowance equal to one percent (1%) of the gross proceeds received by the Company from the sale of the Public Securities, less the Advance (as such term is defined in Section 8.3 hereof), provided, however, that in the event that the Offering is terminated, the Company agrees to reimburse the Underwriters pursuant to Section 8.3 hereof.

3.11 Application of Net Proceeds. The Company shall apply the net proceeds from the Offering received by it in a manner consistent with the application thereof described under the caption "Use of Proceeds" in the Registration Statement, the Pricing Disclosure Package and the Prospectus.

3.12 Delivery of Earnings Statements to Security Holders The Company shall make generally available to its security holders as soon as practicable, but not later than the first day of the fifteenth (15^{th}) full calendar month following the date of this Agreement, an earnings statement (which need not be certified by independent registered public accounting firm unless required by the Securities Act or the Securities Act Regulations, but which shall satisfy the provisions of Rule 158(a) under Section 11(a) of the Securities Act) covering a period of at least twelve (12) consecutive months beginning after the date of this Agreement.

3.13 Stabilization. Neither the Company nor, to its knowledge, any of its employees, directors or shareholders (without the consent of the Representative) has taken or shall take, directly or indirectly, any action designed to or that has constituted or that might reasonably be expected to cause or result in, under Regulation M of the Exchange Act, or otherwise, stabilization or manipulation of the price of any security of the Company to facilitate the sale or resale of the Public Securities.

3.14 Internal Controls. The Company shall maintain a system of internal accounting controls sufficient to provide reasonable assurances that: (i) transactions are executed in accordance with management's general or specific authorization; (ii) transactions are recorded as necessary in order to permit preparation of financial statements in accordance with GAAP and to maintain accountability for assets; (iii) access to assets is permitted only in accordance with management's general or specific authorization; and (iv) the recorded accountability for assets is compared with existing assets at reasonable intervals and appropriate action is taken with respect to any differences.

3.15 Accountants. As of the date of this Agreement, the Company shall retain an independent registered public accounting firm reasonably acceptable to the Representative, and the Company shall continue to retain a nationally recognized independent registered public accounting firm for a period of at least three (3) years after the date of this Agreement. The Representative acknowledges that the Auditor is acceptable to the Representative.

3.16 FINRA. The Company shall advise the Representative (who shall make an appropriate filing with FINRA) if it is or becomes aware that (i) any officer or director of the Company, (ii) any beneficial owner of 5% or more of any class of the Company's securities or (iii) any beneficial owner of the Company's unregistered equity securities which were acquired during the 180 days immediately preceding the filing of the Registration Statement is or becomes an affiliate or associated person of a FINRA member participating in the Offering (as determined in accordance with the rules and regulations of FINRA).

3.17 No Fiduciary Duties. The Company acknowledges and agrees that the Underwriters' responsibility to the Company is solely contractual in nature and that none of the Underwriters or their affiliates or any selling agent shall be deemed to be acting in a fiduciary capacity, or otherwise owes any fiduciary duty to the Company or any of its affiliates in connection with the Offering and the other transactions contemplated by this Agreement.

3.18 Company Lock-Up Agreements.

3.18.1. Restriction on Sales of Capital Stock. The Company, on behalf of itself and any successor entity, agrees that, without the prior written consent of the Representative, it will not, for a period of 180 days after the date of this Agreement (the "Lock-Up Period"), (i) offer, pledge, sell, contract to sell, sell any option or contract to purchase, purchase any option or contract to sell, grant any option, right or warrant to purchase, lend, or otherwise transfer or dispose of, directly or indirectly, any shares of capital stock of the Company or any securities convertible into or exercisable or exchangeable for shares of capital stock of the Company; (ii) file or caused to be filed any registration statement with the Commission relating to the offering of any shares of capital stock of the Company or any securities

convertible into or exercisable or exchangeable for shares of capital stock of the Company; (iii) complete any offering of debt securities of the Company, other than entering into a line of credit with a traditional bank or (iv) enter into any swap or other arrangement that transfers to another, in whole or in part, any of the economic consequences of ownership of capital stock of the Company, whether any such transaction described in clause (i), (ii), (iii) or (iv) above is to be settled by delivery of shares of capital stock of the Company or such other securities, in cash or otherwise.

The restrictions contained in this Section 3.18.1 shall not apply to (i) the shares of Common Stock to be sold hereunder, (ii) the issuance by the Company of shares of Common Stock upon the exercise of a stock option or warrant or the conversion of a security outstanding on the date hereof, of which the Representative has been advised in writing or (iii) the issuance by the Company of stock options or shares of capital stock of the Company under any equity compensation plan of the Company, provided that in each of (ii) and (iii) above, the underlying shares shall be restricted from sale during the entire Lock-Up Period.

Notwithstanding the foregoing, if (i) during the last 17 days of the Lock-Up Period, the Company issues an earnings release or material news or a material event relating to the Company occurs, or (ii) prior to the expiration of the Lock-Up Period, the Company announces that it will release earnings results or becomes aware that material news or a material event will occur during the 16-day period beginning on the last day of the Lock-Up Period, the restrictions imposed by this Section 3.18.1 shall continue to apply until the expiration of the 18-day period beginning on the issuance of the earnings release or the occurrence of such material news or material event, as applicable, unless the Representative waives, in writing, such extension; Restriction on Continuous Offerings. Notwithstanding the restrictions contained in Section 3.18.1, the Company, on behalf of itself and any successor entity, agrees that, without the prior written consent of the Representative, it will not, for a period of 12 months after the date of this Agreement, directly or indirectly in any "at-the-market" or continuous equity transaction, offer to sell, sell, contract to sell, grant any option to sell or otherwise dispose of shares of capital stock of the Company or any securities convertible into or exercisable or exchangeable for shares of capital stock of the Company.

3.19 Release of D&O Lock-up Period. If the Representative, in its sole discretion, agrees to release or waive the restrictions set forth in the Lock-Up Agreements described in Section 2.24 hereof for an officer or director of the Company and provide the Company with notice of the impending release or waiver at least three (3) Business Days before the effective date of the release or waiver, the Company agrees to announce the impending release or waiver by a press release substantially in the form of Exhibit C hereto through a major news service at least two (2) Business Days before the effective date of the release or waiver.

3.20 Blue Sky Qualifications. The Company shall use its best efforts, in cooperation with the Underwriters, if necessary, to qualify the Public Securities for offering and sale under the applicable securities laws of such states and other jurisdictions (domestic or foreign) as the Representative may designate and to maintain such qualifications in effect so long as required to complete the distribution of the Public Securities; provided, however, that the Company shall not be obligated to file any general consent to service of process or to qualify as a foreign corporation or as a dealer in securities in any jurisdiction in which it is not so qualified or to subject itself to taxation in respect of doing business in any jurisdiction in which it is not otherwise so subject.

3.21 Reporting Requirements. The Company, during the period when a prospectus relating to the Public Securities is (or, but for the exception afforded by Rule 172, would be) required to be delivered under the Securities Act, will file all documents required to be filed with the Commission pursuant to the Exchange Act within the time periods required by the Exchange Act and Exchange Act Regulations.

Additionally, the Company shall report the use of proceeds from the issuance of the Public Securities as may be required under Rule 463 under the Securities Act Regulations.

3.22 Redomicile. The Board of Directors of the Company shall promptly (and in any case, within 180 business days from the date hereof) use their best efforts to prepare and mail to the stockholders of the Company proxy materials requesting authorization to redomicile the Company in the State of Delaware. In connection therewith, the Board of Directors shall (a) adopt proper resolutions authorizing such redomicile, (b) recommend to and otherwise use its best efforts to promptly and duly obtain stockholder approval to carry out such resolutions (and hold a special meeting of the stockholders) and (b) within five (5) business days of obtaining such stockholder authorization, file appropriate documents to the Company's articles of incorporation to evidence such actions.

4. Conditions of Underwriters' Obligations. The obligations of the Underwriters to purchase and pay for the Public Securities, as provided herein, shall be subject to (i) the continuing accuracy of the representations and warranties of the Company as of the date hereof and as of each of the Closing Date and the Option Closing Date, if any; (ii) the accuracy of the statements of officers of the Company made pursuant to the provisions hereof; (iii) the performance by the Company of its obligations hereunder; and (iv) the following conditions:

4.1 Regulatory Matters.

4.1.1. Effectiveness of Registration Statement; Rule 430A Information. The Registration Statement has become effective not later than 5:00 p.m., Eastern time, on the date of this Agreement or such later date and time as shall be consented to in writing by you, and, at each of the Closing Date and any Option Closing Date, no stop order suspending the effectiveness of the Registration Statement or any post-effective amendment thereto has been issued under the Securities Act, no order preventing or suspending the use of any Preliminary Prospectus or the Prospectus has been issued and no proceedings for any of those purposes have been instituted or are pending or, to the Company's knowledge, contemplated by the Commission. The Company has complied with each request (if any) from the Commission for additional information. The Prospectus containing the Rule 430A Information shall have been filed with the Commission in the manner and within the time frame required by Rule 424(b) (without reliance on Rule 424(b)(8)) or a post-effective amendment providing such information shall have been filed with, and declared effective by, the Commission in accordance with the requirements of Rule 430A.

4.1.2. FINRA Clearance. On or before the date of this Agreement, the Representative shall have received clearance from FINRA as to the amount of compensation allowable or payable to the Underwriters as described in the Registration Statement.

4.1.3. Exchange Stock Market Clearance. On the Closing Date, the Company's Firm Securities, shall have been approved for listing on the Exchange, subject only to official notice of issuance. On the first Option Closing Date (if any), the Company's Option Securities shall have been approved for listing on the Exchange, subject only to official notice of issuance.

4.2 Company Counsel Matters.

4.2.1. Closing Date Opinion of Counsel. On the Closing Date, the Representative shall have received the favorable opinion of Lucosky Brookman LLP, counsel to the Company, dated the Closing Date and addressed to the Representative, substantially in the form of Exhibit D attached hereto.

4.2.2. Opinion of Special Intellectual Property Counsel for the Company. On the Closing Date, the Representative shall have received the opinion of Gibney Law, special intellectual property counsel for the Company, dated the Closing Date, addressed to the Representative substantially in the form of Exhibit [__] attached hereto.

4.2.3. Option Closing Date Opinions of Counsel. On the Option Closing Date, if any, the Representative shall have received the favorable opinions of each counsel listed in Sections 4.2.1 and 4.2.2, dated the Option Closing Date, addressed to the Representative and in form and substance reasonably satisfactory to the Representative, confirming as of the Option Closing Date, the statements made by such counsels in their respective opinions delivered on the Closing Date.

4.2.4. Reliance. In rendering such opinions, such counsel may rely: (i) as to matters involving the application of laws other than the laws of the United States and jurisdictions in which they are admitted, to the extent such counsel deems proper and to the extent specified in such opinion, if at all, upon an opinion or opinions (in form and substance reasonably satisfactory to the Representative) of other counsel reasonably acceptable to the Representative, familiar with the applicable laws; and (ii) as to matters of fact, to the extent they deem proper, on certificates or other written statements of officers of the Company and officers of departments of various jurisdictions having custody of documents respecting the corporate existence or good standing of the Company, provided that copies of any such statements or certificates shall be delivered to Representative Counsel if requested. The opinion of Lucosky Brookman LLP and any opinion relied upon by Lucosky Brookman LLP shall include a statement to the effect that it may be relied upon by Representative Counsel in its opinion delivered to the Underwriters.

4.3 Comfort Letters.

4.3.1. Cold Comfort Letter. At the time this Agreement is executed you shall have received a cold comfort letter containing statements and information of the type customarily included in accountants' comfort letters with respect to the financial statements and certain financial information contained in the Registration Statement, the Pricing Disclosure Package and the Prospectus, addressed to the Representative and in form and substance satisfactory in all respects to you and to the Auditor, dated as of the date of this Agreement.

4.3.2. Bring-down Comfort Letter. At each of the Closing Date and the Option Closing Date, if any, the Representative shall have received from the Auditor a letter, dated as of the Closing Date or the Option Closing Date, as applicable, to the effect that the Auditor reaffirms the statements made in the letter furnished pursuant to Section 4.3.1, except that the specified date referred to shall be a date not more than three (3) business days prior to the Closing Date or the Option Closing Date, as applicable.

4.4 Officers' Certificates.

4.4.1. Officers' Certificate. The Company shall have furnished to the Representative a certificate, dated the Closing Date and any Option Closing Date (if such date is other than the Closing Date), of its Chief Executive Officer, its President and its Chief Financial Officer stating that (i) such officers have carefully examined the Registration Statement, the Pricing Disclosure Package, any Issuer Free Writing Prospectus and the Prospectus and, in their opinion, the Registration Statement and each amendment thereto, as of the Applicable Time and as of the Closing Date (or any Option Closing Date if such date is other than the Closing Date) did not include any untrue statement of a material fact and did not omit to state a material fact required to be stated therein or necessary to make the statements therein not misleading, and the Pricing Disclosure Package, as of the Applicable Time and as of the Closing Date (or any Option Closing Date if such date is other than the Closing Date), any Issuer Free Writing Prospectus as of its date and as of the Closing Date (or any Option Closing Date if such date is other than the Closing Date), the Prospectus and each amendment or supplement thereto, as of the respective date thereof and as of the Closing Date, did not include any untrue statement of a material fact and did not omit to state a material fact necessary in order to make the statements therein, in the light of the circumstances in which they were made, not misleading, (ii) since the effective date of the Registration Statement, no event has occurred which should have been set forth in a supplement or amendment to the

Registration Statement, the Pricing Disclosure Package or the Prospectus, (iii) to the best of their knowledge after reasonable investigation, as of the Closing Date (or any Option Closing Date if such date is other than the Closing Date), the representations and warranties of the Company in this Agreement are true and correct and the Company has complied with all agreements and satisfied all conditions on its part to be performed or satisfied hereunder at or prior to the Closing Date (or any Option Closing Date if such date is other than the Closing Date), and (iv) there has not been, subsequent to the date of the most recent audited financial statements included or incorporated by reference in the Pricing Disclosure Package, any material adverse change in the financial position or results of operations of the Company, or any change or development that, singularly or in the aggregate, would involve a material adverse change or a prospective material adverse change, in or affecting the condition (financial or otherwise), results of operations, business, assets or prospects of the Company, except as set forth in the Prospectus.

4.4.2. Secretary's Certificate. At each of the Closing Date and the Option Closing Date, if any, the Representative shall have received a certificate of the Company signed by the Secretary of the Company, dated the Closing Date or the Option Date, as the case may be, respectively, certifying: (i) that each of the Charter and Bylaws is true and complete, has not been modified and is in full force and effect; (ii) that the resolutions of the Company's Board of Directors relating to the Offering are in full force and effect and have not been modified; (iii) as to the accuracy and completeness of all correspondence between the Company or its counsel and the Commission; and (iv) as to the incumbency of the officers of the Company. The documents referred to in such certificate shall be attached to such certificate.

4.5 No Material Changes. Prior to and on each of the Closing Date and each Option Closing Date, if any: (i) there shall have been no material adverse change or development involving a prospective material adverse change in the condition or prospects or the business activities, financial or otherwise, of the Company from the latest dates as of which such condition is set forth in the Registration Statement, the Pricing Disclosure Package and the Prospectus; (ii) no action, suit or proceeding, at law or in equity, shall have been pending or threatened against the Company or any Insider before or by any court or federal or state commission, board or other administrative agency wherein an unfavorable decision, ruling or finding may materially adversely affect the business, operations, prospects or financial condition or income of the Company, except as set forth in the Registration Statement, the Pricing Disclosure Package and the Prospectus; (iii) no stop order shall have been issued under the Securities Act and no proceedings therefor shall have been initiated or threatened by the Commission; and (iv) the Registration Statement, the Pricing Disclosure Package and the Prospectus and any amendments or supplements thereto shall contain all material statements which are required to be stated therein in accordance with the Securities Act and the Securities Act Regulations and shall conform in all material respects to the requirements of the Securities Act and the Securities Act Regulations, and neither the Registration Statement, the Pricing Disclosure Package nor the Prospectus nor any amendment or supplement thereto shall contain any untrue statement of a material fact or omit to state any material fact required to be stated therein or necessary to make the statements therein, in light of the circumstances under which they were made, not misleading.

4.6 Delivery of Agreements.

4.6.1. Lock-Up Agreements. On or before the date of this Agreement, the Company shall have delivered to the Representative executed copies of the Lock-Up Agreements from each of the persons listed in Schedule 3 hereto.

4.6.2. Representative's Warrant Agreement. On the Closing Date, the Company shall have delivered to the Representative executed copies of the Representative's Warrant Agreement.

4.7 Additional Documents. At the Closing Date and at each Option Closing Date (if any) Representative Counsel shall have been furnished with such documents and opinions as they may require

for the purpose of enabling Representative Counsel to deliver an opinion to the Underwriters, or in order to evidence the accuracy of any of the representations or warranties, or the fulfillment of any of the conditions, herein contained; and all proceedings taken by the Company in connection with the issuance and sale of the Public Securities and the Representative's Securities as herein contemplated shall be satisfactory in form and substance to the Representative and Representative Counsel.

5. Indemnification.

5.1 Indemnification of the Underwriters.

5.1.1. General. Subject to the conditions set forth below, the Company agrees to indemnify and hold harmless each Underwriter, its affiliates and each of its and their respective directors, officers, members, employees, representatives, partners, shareholders, affiliates, counsel, and agents and each person, if any, who controls any such Underwriter within the meaning of Section 15 of the Securities Act or Section 20 of the Exchange Act (collectively the "Underwriter Indemnified Parties," and each an "Underwriter Indemnified Party"), against any and all loss, liability, claim, damage and expense whatsoever (including but not limited to any and all legal or other expenses reasonably incurred in investigating, preparing or defending against any litigation, commenced or threatened, or any claim whatsoever, whether arising out of any action between any of the Underwriter Indemnified Parties and the Company or between any of the Underwriter Indemnified Parties and any third party, or otherwise) to which they or any of them may become subject under the Securities Act, the Exchange Act or any other statute or at common law or otherwise or under the laws of foreign countries (a "Claim"), (i) arising out of or based upon any untrue statement or alleged untrue statement of a material fact contained in (A) the Registration Statement, the Pricing Disclosure Package, any Preliminary Prospectus, the Prospectus, or in any Issuer Free Writing Prospectus (as from time to time each may be amended and supplemented); (B) any materials or information provided to investors by, or with the approval of, the Company in connection with the marketing of the Offering, including any "road show" or investor presentations made to investors by the Company (whether in person or electronically); or (C) any application or other document or written communication (in this Section 5, collectively called "application") executed by the Company or based upon written information furnished by the Company in any jurisdiction in order to qualify the Public Securities and Representative's Securities under the securities laws thereof or filed with the Commission, any state securities commission or agency, the Exchange or any other national securities exchange; or the omission or alleged omission therefrom of a material fact required to be stated therein or necessary to make the statements therein, in the light of the circumstances under which they were made, not misleading, unless such statement or omission was made in reliance upon, and in conformity with, the Underwriters' Information or (ii) otherwise arising in connection with or allegedly in connection with the Offering. The Company also agrees that it will reimburse each Underwriter Indemnified Party for all fees and expenses (including but not limited to any and all legal or other expenses reasonably incurred in investigating, preparing or defending against any litigation, commenced or threatened, or any claim whatsoever, whether arising out of any action between any of the Underwriter Indemnified Parties and the Company or between any of the Underwriter Indemnified Parties and any third party, or otherwise) (collectively, the "Expenses"), and further agrees wherever and whenever possible to advance payment of Expenses as they are incurred by an Underwriter Indemnified Party in investigating, preparing, pursuing or defending any Claim.

5.1.2. Procedure. If any action is brought against an Underwriter Indemnified Party in respect of which indemnity may be sought against the Company pursuant to Section 5.1.1, such Underwriter Indemnified Party shall promptly notify the Company in writing of the institution of such action and the Company shall assume the defense of such action, including the employment and fees of counsel (subject to the approval of such Underwriter Indemnified Party) and payment of actual expenses if an Underwriter Indemnified Party requests that the Company do so. Such Underwriter Indemnified Party shall have the right to employ its or their own counsel in any such case, but the fees and expenses of

such counsel shall be at the expense of the Company, and shall be advanced by the Company. The Company shall not be liable for any settlement of any action effected without its consent (which shall not be unreasonably withheld). In addition, the Company shall not, without the prior written consent of the Underwriters, settle, compromise or consent to the entry of any judgment in or otherwise seek to terminate any pending or threatened action in respect of which advancement, reimbursement, indemnification or contribution may be sought hereunder (whether or not such Underwriter Indemnified Party is a party thereto) unless such settlement, compromise, consent or termination (i) includes an unconditional release of each Underwriter Indemnified Party, acceptable to such Underwriter Indemnified Party, from all liabilities, expenses and claims arising out of such action for which indemnification or contribution may be sought and (ii) does not include a statement as to or an admission of fault, culpability or a failure to act, by or on behalf of any Underwriter Indemnified Party.

5.2 Indemnification of the Company. Each Underwriter, severally and not jointly, agrees to indemnify and hold harmless the Company, its directors, its officers who signed the Registration Statement and persons who control the Company within the meaning of Section 15 of the Securities Act or Section 20 of the Exchange Act against any and all loss, liability, claim, damage and expense described in the foregoing indemnity from the Company to the several Underwriters, as incurred, but only with respect to untrue statements or omissions, or alleged untrue statements or omissions made in the Registration Statement, any Preliminary Prospectus, the Pricing Disclosure Package or Prospectus or any amendment or supplement thereto or in any application, in reliance upon, and in strict conformity with, the Underwriters' Information. In case any action shall be brought against the Company or any other person so indemnified based on any Preliminary Prospectus, the Registration Statement, the Pricing Disclosure Package or Prospectus or any amendment or supplement thereto or any application, and in respect of which indemnity may be sought against any Underwriter, such Underwriter shall have the rights and duties given to the Company, and the Company and each other person so indemnified shall have the rights and duties given to the several Underwriters by the provisions of Section 5.1.2. The Company agrees promptly to notify the Representative of the commencement of any litigation or proceedings against the Company or any of its officers, directors or any person, if any, who controls the Company within the meaning of Section 15 of the Securities Act or Section 20 of the Exchange Act, in connection with the issuance and sale of the Public Securities or in connection with the Registration Statement, the Pricing Disclosure Package, the Prospectus, or any Issuer Free Writing Prospectus.

5.3 Contribution.

5.3.1. Contribution Rights. If the indemnification provided for in this Section 5 shall for any reason be unavailable to or insufficient to hold harmless an indemnified party under Section 5.1 or 5.2 in respect of any loss, claim, damage or liability, or any action in respect thereof, referred to therein, then each indemnifying party shall, in lieu of indemnifying such indemnified party, contribute to the amount paid or payable by such indemnified party as a result of such loss, claim, damage or liability, or action in respect thereof, (i) in such proportion as shall be appropriate to reflect the relative benefits received by the Company, on the one hand, and the Underwriters, on the other, from the Offering of the Public Securities, or (ii) if the allocation provided by clause (i) above is not permitted by applicable law, in such proportion as is appropriate to reflect not only the relative benefits referred to in clause (i) above but also the relative fault of the Company, on the one hand, and the Underwriters, on the other, with respect to the statements or omissions that resulted in such loss, claim, damage or liability, or action in respect thereof, as well as any other relevant equitable considerations. The relative benefits received by the Company, on the one hand, and the Underwriters, on the other, with respect to such Offering shall be deemed to be in the same proportion as the total net proceeds from the Offering of the Public Securities purchased under this Agreement (before deducting expenses) received by the Company, as set forth in the table on the cover page of the Prospectus, on the one hand, and the total underwriting discounts and commissions received by the Underwriters with respect to the shares of the Common Stock purchased under this Agreement, as set forth in the table on the cover page of the Prospectus, on the other hand. The

relative fault shall be determined by reference to whether the untrue or alleged untrue statement of a material fact or omission or alleged omission to state a material fact relates to information supplied by the Company or the Underwriters, the intent of the parties and their relative knowledge, access to information and opportunity to correct or prevent such statement or omission. The Company and the Underwriters agree that it would not be just and equitable if contributions pursuant to this Section 5.3.1 were to be determined by pro rata allocation (even if the Underwriters were treated as one entity for such purpose) or by any other method of allocation that does not take into account the equitable considerations referred to herein. The amount paid or payable by an indemnified party as a result of the loss, claim, damage or liability, or action in respect thereof, referred to above in this Section 5.3.1 shall be deemed to include, for purposes of this Section 5.3.1, any legal or other expenses reasonably incurred by such indemnified party in connection with investigating or defending any such action or claim. Notwithstanding the provisions of this Section 5.3.1 in no event shall an Underwriter be required to contribute any amount in excess of the amount by which the total underwriting discounts and commissions received by such Underwriter with respect to the Offering of the Public Securities exceeds the amount of any damages that such Underwriter has otherwise been required to pay by reason of such untrue or alleged untrue statement or omission or alleged omission. No person guilty of fraudulent misrepresentation (within the meaning of Section 11(f) of the Securities Act) shall be entitled to contribution from any person who was not guilty of such fraudulent misrepresentation.

5.3.2. Contribution Procedure. Within fifteen (15) days after receipt by any party to this Agreement (or its representative) of notice of the commencement of any action, suit or proceeding, such party will, if a claim for contribution in respect thereof is to be made against another party ("contributing party"), notify the contributing party of the commencement thereof, but the failure to so notify the contributing party will not relieve it from any liability which it may have to any other party other than for contribution hereunder. In case any such action, suit or proceeding is brought against any party, and such party notifies a contributing party or its representative of the commencement thereof within the aforesaid 15 days, the contributing party will be entitled to participate therein with the notifying party and any other contributing party similarly notified. Any such contributing party shall not be liable to any party seeking contribution on account of any settlement of any claim, action or proceeding affected by such party seeking contribution on account of any settlement of any claim, action or proceeding affected by such party seeking contribution without the written consent of such contributing party. The contribution provisions contained in this Section 5.3.2 are intended to supersede, to the extent permitted by law, any right to contribution under the Securities Act, the Exchange Act or otherwise available. Each Underwriter's obligations to contribute pursuant to this Section 5.3 are several and not joint.

6. Default by an Underwriter.

6.1 Default Not Exceeding 10% of Firm Securities or Option Securities If any Underwriter or Underwriters shall default in its or their obligations to purchase the Firm Securities or the Option Securities, if the Over-allotment Option is exercised hereunder, and if the number of the Firm Securities or Option Securities with respect to which such default relates does not exceed in the aggregate 10% of the number of Firm Securities or Option Securities that all Underwriters have agreed to purchase hereunder, then such Firm Securities or Option Securities to which the default relates shall be purchased by the non-defaulting Underwriters in proportion to their respective commitments hereunder.

6.2 Default Exceeding 10% of Firm Securities or Option Securities In the event that the default addressed in Section 6.1 relates to more than 10% of the Firm Securities or Option Securities, you may in your discretion arrange for yourself or for another party or parties to purchase such Firm Securities or Option Securities to which such default relates on the terms contained herein. If, within one (1) Business Day after such default relating to more than 10% of the Firm Securities or Option Securities, you do not arrange for the purchase of such Firm Securities or Option Securities, then the Company shall

be entitled to a further period of one (1) Business Day within which to procure another party or parties satisfactory to you to purchase said Firm Securities or Option Securities on such terms. In the event that neither you nor the Company arrange for the purchase of the Firm Securities or Option Securities to which a default relates as provided in this Section 6, this Agreement will automatically be terminated by you or the Company without liability on the part of the Company (except as provided in Sections 3.9 and 5 hereof) or the several Underwriters (except as provided in Section 5 hereof); provided, however, that if such default occurs with respect to the Option Securities, this Agreement will not terminate as to the Firm Securities; and provided, further, that nothing herein shall relieve a defaulting Underwriter of its liability, if any, to the other Underwriters and to the Company for damages occasioned by its default hereunder.

6.3 Postponement of Closing Date. In the event that the Firm Securities or Option Securities to which the default relates are to be purchased by the non-defaulting Underwriters, or are to be purchased by another party or parties as aforesaid, you or the Company shall have the right to postpone the Closing Date or Option Closing Date for a reasonable period, but not in any event exceeding five (5) Business Days, in order to effect whatever changes may thereby be made necessary in the Registration Statement, the Pricing Disclosure Package or the Prospectus or in any other documents and arrangements, and the Company agrees to file promptly any amendment to the Registration Statement, the Pricing Disclosure Package or the Prospectus that in the opinion of counsel for the Underwriter may thereby be made necessary. The term "Underwriter" as used in this Agreement shall include any party substituted under this Section 6 with like effect as if it had originally been a party to this Agreement with respect to such shares of Common Stock.

7. Additional Covenants.

7.1 Board Composition and Board Designations. The Company shall ensure that: (i) the qualifications of the persons serving as members of the Board of Directors and the overall composition of the Board comply with the Sarbanes-Oxley Act, with the Exchange Act and with the listing rules of the Exchange or any other national securities exchange, as the case may be, in the event the Company seeks to have its Public Securities listed on another exchange or quoted on an automated quotation system, and (ii) if applicable, at least one member of the Audit Committee of the Board of Directors qualifies as an "audit committee financial expert," as such term is defined under Regulation S-K and the listing rules of the Exchange.

7.2 Prohibition on Press Releases and Public Announcements The Company shall not issue press releases or engage in any other publicity, without the Representative's prior written consent, for a period ending at 5:00 p.m., Eastern time, on the first (1^{st}) Business Day following the forty-fifth (45^{th}) day after the Closing Date, other than normal and customary releases issued in the ordinary course of the Company's business.

7.3 Right of First Refusal. Provided that the Firm Securities are sold in accordance with the terms of this Agreement, the Representative shall have an irrevocable right of first refusal (the "Right of First Refusal"), for a period of twenty-four (24) months from the commencement of sales in the Offering, to act as sole and exclusive investment banker, sole and exclusive book-runner, sole and exclusive financial advisor, sole and exclusive underwriter and/or sole and exclusive placement agent, at the Representative's sole and exclusive discretion, for each and every future public and private equity and debt offering, including all equity linked financings (each, a "Subject Transaction"), during such twenty-four (24) month period, of the Company, or any successor to or subsidiary of the Company, on terms and conditions customary to the Representative for such Subject Transactions. For the avoidance of any doubt, the Company shall not retain, engage or solicit any additional investment banker, book-runner, financial advisor, underwriter and/or placement agent in a Subject Transaction without the express written consent of the Representative.

The Company shall notify the Representative of its intention to pursue a Subject Transaction, including the material terms thereof, by providing written notice thereof by registered mail or overnight courier service addressed to the Representative. If the Representative fails to exercise its Right of First Refusal with respect to any Subject Transaction within ten (10) Business Days after the mailing of such written notice, then the Representative shall have no further claim or right with respect to the Subject Transaction. The Representative may elect, in its sole and absolute discretion, not to exercise its Right of First Refusal with respect to any Subject Transaction; provided that any such election by the Representative shall not adversely affect the Representative's Right of First Refusal with respect to any other Subject Transaction during the twenty-four (24) month period agreed to above.

8. Effective Date of this Agreement and Termination Thereof.

8.1 Effective Date. This Agreement shall become effective when both the Company and the Representative have executed the same and delivered counterparts of such signatures to the other party.

8.2 Termination. The Representative shall have the right to terminate this Agreement at any time prior to any Closing Date, (i) if any domestic or international event or act or occurrence has materially disrupted, or in your opinion will in the immediate future materially disrupt, general securities markets in the United States; or (ii) if trading on the New York Stock Exchange or the Nasdaq Stock Market LLC shall have been suspended or materially limited, or minimum or maximum prices for trading shall have been fixed, or maximum ranges for prices for securities shall have been required by FINRA or by order of the Commission or any other government authority having jurisdiction; or (iii) if the United States shall have become involved in a new war or an increase in major hostilities; or (iv) if a banking moratorium has been declared by a New York State or federal authority; or (v) if a moratorium on foreign exchange trading has been declared which materially adversely impacts the United States securities markets; or (vi) if the Company shall have sustained a material loss by fire, flood, accident, hurricane, earthquake, theft, sabotage or other calamity or malicious act which, whether or not such loss shall have been insured, will, in your opinion, make it inadvisable to proceed with the delivery of the Firm Securities or Option Securities; or (vii) if the Company is in material breach of any of its representations, warranties or covenants hereunder; or (viii) if the Representative shall have become aware after the date hereof of such a material adverse change in the conditions or prospects of the Company, or such adverse material change in general market conditions as in the Representative's judgment would make it impracticable to proceed with the offering, sale and/or delivery of the Public Securities or to enforce contracts made by the Underwriters for the sale of the Public Securities.

8.3 Expenses. Notwithstanding anything to the contrary in this Agreement, except in the case of a default by the Underwriters, pursuant to Section 6.2 above, in the event that this Agreement shall not be carried out for any reason whatsoever, within the time specified herein or any extensions thereof pursuant to the terms herein, the Company shall be obligated to pay to the Underwriters their actual and accountable out-of-pocket expenses related to the transactions contemplated herein then due and payable (including the fees and disbursements of Representative Counsel) up to a maximum of $300,000, which amount shall be equal to the out-of-pocket accountable expenses actually incurred by the underwriter and related persons, inclusive of the $50,000 advance for non-accountable expenses previously paid by the Company to the Representative (the "Advance") and upon demand the Company shall pay the full amount thereof to the Representative on behalf of the Underwriters; provided, however, that such expense cap in no way limits or impairs the indemnification and contribution provisions of this Agreement. Notwithstanding the foregoing, any advance received by the Representative will be reimbursed to the Company to the extent not actually incurred in compliance with FINRA Rule 5110(f)(2)(C).

8.4 Indemnification. Notwithstanding any contrary provision contained in this Agreement, any election hereunder or any termination of this Agreement, and whether or not this Agreement is otherwise carried out, the provisions of Section 5 shall remain in full force and effect and shall not be in any way affected by, such election or termination or failure to carry out the terms of this Agreement or any part hereof.

8.5 Representations, Warranties, Agreements to Survive. All representations, warranties and agreements contained in this Agreement or in certificates of officers of the Company submitted pursuant hereto, shall remain operative and in full force and effect regardless of (i) any investigation made by or on behalf of any Underwriter or its Affiliates or selling agents, any person controlling any Underwriter, its officers or directors or any person controlling the Company or (ii) delivery of and payment for the Public Securities.

9. Miscellaneous.

9.1 Notices. All communications hereunder, except as herein otherwise specifically provided, shall be in writing and shall be mailed (registered or certified mail, return receipt requested), personally delivered or sent by facsimile transmission and confirmed and shall be deemed given when so delivered or faxed and confirmed or if mailed, two (2) days after such mailing.

If to the Representative:

Joseph Gunnar & Co., LLC
30 Broad Street, 11th Fl
New York, NY 10004
Attn: Mr. Eric Lord, Head of Investment Banking/Underwritings
Fax No.: 646.461.2729

with a copy (which shall not constitute notice) to:

Sheppard Mullin Richter & Hampton LLP
30 Rockefeller Plaza
New York, NY 10112
Attn: Jeffrey Fessler
Fax No.: 212.653.8701

If to the Company:

Duos Technologies Group, Inc.
6622 SouthPoint Drive South, Suite 310
Jacksonville, Florida 32216
Attention: Gianni Arcaini
Fax No: 904.296.4103

with a copy (which shall not constitute notice) to:

Lucosky Brookman LLP
101 Wood Avenue South, 5th Floor
Woodbridge, NJ 08830
Attention: Joseph Lucosky
Fax No: 732.395.4401

9.2 Headings. The headings contained herein are for the sole purpose of convenience of reference, and shall not in any way limit or affect the meaning or interpretation of any of the terms or provisions of this Agreement.

9.3 Amendment. This Agreement may only be amended by a written instrument executed by each of the parties hereto.

9.4 Entire Agreement. This Agreement (together with the other agreements and documents being delivered pursuant to or in connection with this Agreement) constitutes the entire agreement of the parties hereto with respect to the subject matter hereof and thereof, and supersedes all prior agreements and understandings of the parties, oral and written, with respect to the subject matter hereof. Notwithstanding anything to the contrary set forth herein, it is understood and agreed by the parties hereto that all other terms and conditions of that certain engagement letter between the Company and Joseph Gunnar & Co., LLC., as amended, originally dated December 2, 2016, shall remain in full force and effect.

9.5 Binding Effect. This Agreement shall inure solely to the benefit of and shall be binding upon the Representative, the Underwriters, the Company and the controlling persons, directors and officers referred to in Section 5 hereof, and their respective successors, legal representatives, heirs and assigns, and no other person shall have or be construed to have any legal or equitable right, remedy or claim under or in respect of or by virtue of this Agreement or any provisions herein contained. The term "successors and assigns" shall not include a purchaser, in its capacity as such, of securities from any of the Underwriters.

9.6 Governing Law; Consent to Jurisdiction; Trial by Jury. This Agreement shall be governed by and construed and enforced in accordance with the laws of the State of New York, without giving effect to conflict of laws principles thereof. The Company hereby agrees that any action, proceeding or claim against it arising out of, or relating in any way to this Agreement shall be brought and enforced in the New York Supreme Court, County of New York, or in the United States District Court for the Southern District of New York, and irrevocably submits to such jurisdiction, which jurisdiction shall be exclusive. The Company hereby waives any objection to such exclusive jurisdiction and that such courts represent an inconvenient forum. Any such process or summons to be served upon the Company may be served by transmitting a copy thereof by registered or certified mail, return receipt requested, postage prepaid, addressed to it at the address set forth in Section 9.1 hereof. Such mailing shall be deemed personal service and shall be legal and binding upon the Company in any action, proceeding or claim. The Company agrees that the prevailing party(ies) in any such action shall be entitled to recover from the other party(ies) all of its reasonable attorneys' fees and expenses relating to such action or proceeding and/or incurred in connection with the preparation therefor. The Company (on its behalf and, to the extent permitted by applicable law, on behalf of its stockholders and affiliates) and each of the Underwriters hereby irrevocably waives, to the fullest extent permitted by applicable law, any and all right to trial by jury in any legal proceeding arising out of or relating to this Agreement or the transactions contemplated hereby.

9.7 Execution in Counterparts. This Agreement may be executed in one or more counterparts, and by the different parties hereto in separate counterparts, each of which shall be deemed to be an original, but all of which taken together shall constitute one and the same agreement, and shall become effective when one or more counterparts has been signed by each of the parties hereto and delivered to each of the other parties hereto. Delivery of a signed counterpart of this Agreement by facsimile or email/pdf transmission shall constitute valid and sufficient delivery thereof.

9.8 Waiver, etc. The failure of any of the parties hereto to at any time enforce any of the provisions of this Agreement shall not be deemed or construed to be a waiver of any such provision, nor to in any way effect the validity of this Agreement or any provision hereof or the right of any of the parties hereto to thereafter enforce each and every provision of this Agreement. No waiver of any breach, non-compliance or non-fulfillment of any of the provisions of this Agreement shall be effective unless set forth in a written instrument executed by the party or parties against whom or which enforcement of such waiver is sought; and no waiver of any such breach, non-compliance or non-fulfillment shall be construed or deemed to be a waiver of any other or subsequent breach, non-compliance or non-fulfillment.

[Signature Page Follows]

If the foregoing correctly sets forth the understanding between the Underwriters and the Company, please so indicate in the space provided below for that purpose, whereupon this letter shall constitute a binding agreement between us.

Very truly yours,

DUOS TECHNOLOGIES GROUP, INC.

By: _____
Name: Gianni Arcaini
Title: Chief Executive Officer

Confirmed as of the date first written above mentioned, on behalf of itself and as Representative of the several Underwriters named on Schedule 1 hereto:

JOSEPH GUNNAR & CO., LLC.

By: _____
Name: Eric Lord
Title: Head of Investment Banking/Underwritings

SCHEDULE 1

Underwriter	Total Number of Firm Shares and Firm Warrants to be Purchased	Number of Option Shares and Option Warrants to be Purchased if the Over-Allotment Option is Fully Exercised
Joseph Gunnar & Co., LLC.		
TOTAL		

SCHEDULE 2-A
Pricing Information

Number of Firm Shares and Firm Warrants: [•]

Number of Option Shares and Option Warrants: [•]

Public Offering Price per Share: $[•]

Public Offering Price per Warrant: $[•]

Underwriting Discount per Share and Warrant: $[•]

Underwriting Non-accountable expense allowance: $[•]

Proceeds to Company per one Share and one Warrant (before expenses): $[•]

SCHEDULE 2-B

Issuer General Use Free Writing Prospectuses

[None.]

SCHEDULE 3[5]

List of Lock-Up Parties

5 To be provided.

EXHIBIT A

Form of Representative's Warrant Agreement

THE REGISTERED HOLDER OF THIS PURCHASE WARRANT BY ITS ACCEPTANCE HEREOF, AGREES THAT IT WILL NOT SELL, TRANSFER OR ASSIGN THIS PURCHASE WARRANT EXCEPT AS HEREIN PROVIDED AND THE REGISTERED HOLDER OF THIS PURCHASE WARRANT AGREES THAT IT WILL NOT SELL, TRANSFER, ASSIGN, PLEDGE OR HYPOTHECATE THIS PURCHASE WARRANT FOR A PERIOD OF ONE HUNDRED EIGHTY DAYS FOLLOWING THE EFFECTIVE DATE (DEFINED BELOW) TO ANYONE OTHER THAN (I) JOSEPH GUNNAR & CO., LLC OR AN UNDERWRITER OR A SELECTED DEALER IN CONNECTION WITH THE OFFERING, OR (II) A BONA FIDE OFFICER OR PARTNER OF JOSEPH GUNNAR & CO., LLC OR OF ANY SUCH UNDERWRITER OR SELECTED DEALER.

THIS PURCHASE WARRANT IS NOT EXERCISABLE PRIOR TO [_____] [**DATE THAT IS ONE YEAR FROM THE EFFECTIVE DATE OF THE OFFERING**]. VOID AFTER 5:00 P.M., EASTERN TIME, [_____] [**DATE THAT IS FIVE YEARS FROM THE EFFECTIVE DATE OF THE OFFERING**].

WARRANT TO PURCHASE COMMON STOCK

[COMPANY]

Warrant Shares: _____

Initial Exercise Date: _____, 2016

THIS WARRANT TO PURCHASE COMMON STOCK (the "Warrant") certifies that, for value received, _____ or its assigns (the "Holder") is entitled, upon the terms and subject to the limitations on exercise and the conditions hereinafter set forth, at any time on or after ____, 2016 (the "Initial Exercise Date") and, in accordance with FINRA Rule 5110(f)(2)(G)(i), prior to at 5:00 p.m. (New York time) on the date that is five (5) years following the Effective Date (the "Termination Date") but not thereafter, to subscribe for and purchase from [COMPANY], a [Delaware] corporation (the "Company"), up to _____ shares of Common Stock, par value [$0.0001] per share, of the Company (the "Warrant Shares"), as subject to adjustment hereunder. The purchase price of one share of Common Stock under this Warrant shall be equal to the Exercise Price, as defined in Section 2(b).

Section 1. Definitions. In addition to the terms defined elsewhere in this Agreement, the following terms have the meanings indicated in this Section 1:

"Affiliate" means any Person that, directly or indirectly through one or more intermediaries, controls or is controlled by or is under common control with a Person, as such terms are used in and construed under Rule 405 under the Securities Act.

"Business Day" means any day except any Saturday, any Sunday, any day which is a federal legal holiday in the United States or any day on which banking institutions in the State of New York are authorized or required by law or other governmental action to close.

"Commission" means the United States Securities and Exchange Commission.

"Exchange Act" means the Securities Exchange Act of 1934, as amended, and the rules and regulations promulgated thereunder.

"Person" means an individual or corporation, partnership, trust, incorporated or unincorporated association, joint venture, limited liability company, joint stock company, government (or an agency or subdivision thereof) or other entity of any kind.

"Rule 144" means Rule 144 promulgated by the Commission pursuant to the Securities Act, as such Rule may be amended or interpreted from time to time, or any similar rule or regulation hereafter adopted by the Commission having substantially the same purpose and effect as such Rule.

"Securities Act" means the Securities Act of 1933, as amended, and the rules and regulations promulgated thereunder.

"Trading Day" means a day on which the New York Stock Exchange is open for trading.

"Trading Market" means any of the following markets or exchanges on which the Common Stock is listed or quoted for trading on the date in question: the NYSE MKT, the Nasdaq Capital Market, the Nasdaq Global Market, the Nasdaq Global Select Market, or the New York Stock Exchange (or any successors to any of the foregoing).

"VWAP" means, for any date, the price determined by the first of the following clauses that applies: (a) if the Common Stock then listed or quoted on a Trading Market, the daily volume weighted average price of the Common Stock for such date (or the nearest preceding date) on the Trading Market on which the Common Stock is then listed or quoted as reported by Bloomberg L.P. (based on a Trading Day from 9:30 a.m. (New York City time) to 4:02 p.m. (New York City time)), (b) if OTCQB or OTCQX is not a Trading Market, the volume weighted average price of a share of Common Stock for such date (or the nearest preceding date) on the OTCQB or OTCQX as applicable, (c) if Common Stock is not then listed or quoted for trading on the OTCQB or OTCQX and if prices for Common Stock are then reported in the "Pink Sheets" published by OTC Markets Group, Inc. (or a similar organization or agency succeeding to its functions of reporting prices), the most recent bid price per share of Common Stock so reported, or (d) in all other cases, the fair market value of the Common Stock as determined by an independent appraiser selected in good faith by the Holder and reasonably acceptable to the Company, the fees and expenses of which shall be paid by the Company.

Section 2. Exercise.

a) Exercise of the purchase rights represented by this Warrant may be made, in whole or in part, at any time or times on or after the Initial Exercise Date and on or before the Termination Date by delivery to the Company (or such other office or agency of the Company as it may designate by notice in writing to the registered Holder at the address of the Holder appearing on the books of the Company) of a duly executed facsimile copy (or e-mail attachment) of the Notice of Exercise Form annexed hereto. Within three (3) Trading Days following the date of exercise as aforesaid, the Holder shall deliver the aggregate Exercise Price for the shares specified in the applicable Notice of Exercise by wire transfer or cashier's check drawn on a United States bank unless the cashless exercise procedure specified in Section 2(c) below is

specified in the applicable Notice of Exercise. Notwithstanding anything herein to the contrary, the Holder shall not be required to physically surrender this Warrant to the Company until the Holder has purchased all of the Warrant Shares available hereunder and the Warrant has been exercised in full, in which case, the Holder shall surrender this Warrant to the Company for cancellation within three (3) Trading Days of the date the final Notice of Exercise is delivered to the Company. Partial exercises of this Warrant resulting in purchases of a portion of the total number of Warrant Shares available hereunder shall have the effect of lowering the outstanding number of Warrant Shares purchasable hereunder in an amount equal to the applicable number of Warrant Shares purchased. The Holder and the Company shall maintain records showing the number of Warrant Shares purchased and the date of such purchases. The Company shall deliver any objection to any Notice of Exercise Form within two (2) Business Days of receipt of such notice. **The Holder and any assignee, by acceptance of this Warrant, acknowledge and agree that, by reason of the provisions of this paragraph, following the purchase of a portion of the Warrant Shares hereunder, the number of Warrant Shares available for purchase hereunder at any given time may be less than the amount stated on the face hereof.**

b) Exercise Price. The exercise price per share of the Common Stock under this Warrant shall be **$**_____[6], subject to adjustment hereunder (the "Exercise Price").

c) Cashless Exercise. If at any time after the 6 month anniversary of the Initial Exercise Date, there is no effective registration statement registering, or the prospectus contained therein is not available for the issuance of the Warrant Shares to the Holder, then this Warrant may also be exercised, in whole or in part, at such time by means of a "cashless exercise" in which the Holder shall be entitled to receive the number of Warrant Shares equal to the quotient obtained by dividing [(A-B) (X)] by (A), where:

(A) = the VWAP on the Trading Day immediately preceding the date on which Holder elects to exercise this Warrant by means of a "cashless exercise," as set forth in the applicable Notice of Exercise;

(B) = the Exercise Price of this Warrant, as adjusted hereunder; and

(X) = the number of Warrant Shares that would be issuable upon exercise of this Warrant in accordance with the terms of this Warrant if such exercise were by means of a cash exercise rather than a cashless exercise.

If Warrant Shares are issued in such a "cashless exercise," the parties acknowledge and agree that in accordance with Section 3(a)(9) of the Securities Act, the Warrant Shares shall take on the registered characteristics of the Warrants being exercised, and the holding period of the Warrants being exercised may be tacked on to the holding period of the Warrant Shares. The Company agrees not to take any position contrary to this Section 2(c).

Notwithstanding anything herein to the contrary, on the Termination Date, this Warrant shall be automatically exercised via cashless exercise pursuant to this Section 2(c).

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6 125% of the public offering price per share of common stock and warrant in the offering.

d) Mechanics of Exercise.

i. Delivery of Warrant Shares Upon Exercise. The Company shall cause the Warrant Shares purchased hereunder to be transmitted by its transfer agent to the Holder by crediting the account of the Holder's or its designee's balance account with The Depository Trust Company through its Deposit or Withdrawal at Custodian system ("DWAC") if the Company is then a participant in such system and either (A) there is an effective registration statement permitting the issuance of the Warrant Shares to or resale of the Warrant Shares by Holder, or (B) the Warrant Shares are eligible for resale by the Holder without volume or manner-of-sale limitations pursuant to Rule 144 and, in either case, the Warrant Shares have been sold by the Holder prior to the Warrant Share Delivery Date (as defined below), and otherwise by physical delivery of a certificate, registered in the Company's share register in the name of the Holder or its designee, for the number of Warrant Shares to which the Holder is entitled pursuant to such exercise to the address specified by the Holder in the Notice of Exercise by the date that is three (3) Trading Days after the delivery to the Company of the Notice of Exercise (such date, the "Warrant Share Delivery Date"). If the Warrant Shares can be delivered via DWAC, the transfer agent shall have received from the Company any legal opinions or other documentation required by it to deliver such Warrant Shares without legend (subject to receipt by the Company of reasonable back up documentation from the Holder, including with respect to affiliate status) and, if applicable and requested by the Company prior to the Warrant Share Delivery Date, the transfer agent shall have received from the Holder a confirmation of sale of the Warrant Shares (provided the requirement of the Holder to provide a confirmation as to the sale of Warrant Shares shall not be applicable to the issuance of unlegended Warrant Shares upon a cashless exercise of this Warrant if the Warrant Shares are then eligible for resale pursuant to Rule 144(b)(1)). The Warrant Shares shall be deemed to have been issued, and Holder or any other person so designated to be named therein shall be deemed to have become a holder of record of such shares for all purposes, as of the date the Warrant has been exercised, with payment to the Company of the Exercise Price (or by cashless exercise, if permitted) and all taxes required to be paid by the Holder, if any, pursuant to Section 2(d)(vi) prior to the issuance of such shares, having been paid. If the Company fails for any reason to deliver to the Holder the Warrant Shares subject to a Notice of Exercise by the second Trading Day following the Warrant Share Delivery Date, the Company shall pay to the Holder, in cash, as liquidated damages and not as a penalty, for each $1,000 of Warrant Shares subject to such exercise (based on the VWAP of the Common Stock on the date of the applicable Notice of Exercise), $10 per Trading Day (increasing to $20 per Trading Day on the fifth Trading Day after such liquidated damages begin to accrue) for each Trading Day after the second Trading Day following such Warrant Share Delivery Date until such Warrant Shares are delivered or Holder rescinds such exercise.

ii. Delivery of New Warrants Upon Exercise. If this Warrant shall have been exercised in part, the Company shall, at the request of a Holder and upon surrender of this Warrant certificate, at the time of delivery of the Warrant Shares, deliver to the Holder a new Warrant evidencing the rights of the Holder to purchase the unpurchased Warrant Shares

called for by this Warrant, which new Warrant shall in all other respects be identical with this Warrant.

iii. Rescission Rights. If the Company fails to cause its transfer agent to deliver to the Holder the Warrant Shares pursuant to Section 2(d)(i) by the Warrant Share Delivery Date, then the Holder will have the right to rescind such exercise; provided, however, that the Holder shall be required to return any Warrant Shares or Common Stock subject to any such rescinded exercise notice concurrently with the return to Holder of the aggregate Exercise Price paid to the Company for such Warrant Shares and the restoration of Holder's right to acquire such Warrant Shares pursuant to this Warrant (including, issuance of a replacement warrant certificate evidencing such restored right).

iv. Compensation for Buy-In on Failure to Timely Deliver Warrant Shares Upon Exercise. In addition to any other rights available to the Holder, if the Company fails to cause its transfer agent to transmit to the Holder the Warrant Shares pursuant to an exercise on or before the second Trading Day following the Warrant Share Delivery Date, and if after such date the Holder is required by its broker to purchase (in an open market transaction or otherwise) or the Holder's brokerage firm otherwise purchases, shares of Common Stock to deliver in satisfaction of a sale by the Holder of the Warrant Shares which the Holder anticipated receiving upon such exercise (a "Buy-In"), then the Company shall (A) pay in cash to the Holder the amount, if any, by which (x) the Holder's total purchase price (including brokerage commissions, if any) for the shares of Common Stock so purchased exceeds (y) the amount obtained by multiplying (1) the number of Warrant Shares that the Company was required to deliver to the Holder in connection with the exercise at issue times (2) the price at which the sell order giving rise to such purchase obligation was executed, and (B) at the option of the Holder, either reinstate the portion of the Warrant and equivalent number of Warrant Shares for which such exercise was not honored (in which case such exercise shall be deemed rescinded) or deliver to the Holder the number of shares of Common Stock that would have been issued had the Company timely complied with its exercise and delivery obligations hereunder. For example, if the Holder purchases Common Stock having a total purchase price of $11,000 to cover a Buy-In with respect to an attempted exercise of shares of Common Stock with an aggregate sale price giving rise to such purchase obligation of $10,000, under clause (A) of the immediately preceding sentence the Company shall be required to pay the Holder $1,000. The Holder shall provide the Company written notice indicating the amounts payable to the Holder in respect of the Buy-In and, upon request of the Company, evidence of the amount of such loss. Nothing herein shall limit a Holder's right to pursue any other remedies available to it hereunder, at law or in equity including, without limitation, a decree of specific performance and/or injunctive relief with respect to the Company's failure to timely deliver shares of Common Stock upon exercise of the Warrant as required pursuant to the terms hereof.

v. No Fractional Shares or Scrip. No fractional shares or scrip representing fractional shares shall be issued upon the exercise of this Warrant. As to any fraction of a share which the Holder would

otherwise be entitled to purchase upon such exercise, the Company shall, at its election, either pay a cash adjustment in respect of such final fraction in an amount equal to such fraction multiplied by the Exercise Price or round up to the next whole share.

vi. Charges, Taxes and Expenses. Issuance of Warrant Shares shall be made without charge to the Holder for any issue or transfer tax or other incidental expense in respect of the issuance of such Warrant Shares, all of which taxes and expenses shall be paid by the Company, and such Warrant Shares shall be issued in the name of the Holder or in such name or names as may be directed by the Holder; provided, however, that in the event that Warrant Shares are to be issued in a name other than the name of the Holder, this Warrant when surrendered for exercise shall be accompanied by the Assignment Form attached hereto duly executed by the Holder and the Company may require, as a condition thereto, the payment of a sum sufficient to reimburse it for any transfer tax incidental thereto. The Company shall pay all transfer agent fees required for same-day processing of any Notice of Exercise.

vii. Closing of Books. The Company will not close its stockholder books or records in any manner which prevents the timely exercise of this Warrant, pursuant to the terms hereof.

viii. Signature. This Section 2 and the exercise form attached hereto set forth the totality of the procedures required of the Holder in order to exercise this Purchase Warrant. Without limiting the preceding sentences, no ink-original exercise form shall be required, nor shall any medallion guarantee (or other type of guarantee or notarization) of any exercise form be required in order to exercise this Purchase Warrant. No additional legal opinion, other information or instructions shall be required of the Holder to exercise this Purchase Warrant. The Company shall honor exercises of this Purchase Warrant and shall deliver Shares underlying this Purchase Warrant in accordance with the terms, conditions and time periods set forth herein.

e) Holder's Exercise Limitations. The Company shall not effect any exercise of this Warrant, and a Holder shall not have the right to exercise any portion of this Warrant, pursuant to Section 2 or otherwise, to the extent that after giving effect to such issuance after exercise as set forth on the applicable Notice of Exercise, the Holder (together with the Holder's Affiliates, and any other Persons acting as a group together with the Holder or any of the Holder's Affiliates), would beneficially own in excess of the Beneficial Ownership Limitation (as defined below). For purposes of the foregoing sentence, the number of shares of Common Stock beneficially owned by the Holder and its Affiliates shall include the number of shares of Common Stock issuable upon exercise of this Warrant with respect to which such determination is being made, but shall exclude the number of shares of Common Stock which would be issuable upon (i) exercise of the remaining, nonexercised portion of this Warrant beneficially owned by the Holder or any of its Affiliates and (ii) exercise or conversion of the unexercised or nonconverted portion of any other securities of the Company (including, without limitation, any other Common Stock Equivalents) subject to a limitation on conversion or exercise analogous to the limitation contained herein beneficially owned by the Holder or any of its Affiliates. Except as set forth in the preceding sentence, for purposes of this Section 2(e), beneficial ownership shall be calculated in accordance with Section 13(d) of the Exchange Act and the rules and regulations

promulgated thereunder, it being acknowledged by the Holder that the Company is not representing to the Holder that such calculation is in compliance with Section 13(d) of the Exchange Act and the Holder is solely responsible for any schedules required to be filed in accordance therewith. To the extent that the limitation contained in this Section 2(e) applies, the determination of whether this Warrant is exercisable (in relation to other securities owned by the Holder together with any Affiliates) and of which portion of this Warrant is exercisable shall be in the sole discretion of the Holder, and the submission of a Notice of Exercise shall be deemed to be the Holder's determination of whether this Warrant is exercisable (in relation to other securities owned by the Holder together with any Affiliates) and of which portion of this Warrant is exercisable, in each case subject to the Beneficial Ownership Limitation, and the Company shall have no obligation to verify or confirm the accuracy of such determination. In addition, a determination as to any group status as contemplated above shall be determined in accordance with Section 13(d) of the Exchange Act and the rules and regulations promulgated thereunder. For purposes of this Section 2(e), in determining the number of outstanding shares of Common Stock, a Holder may rely on the number of outstanding shares of Common Stock as reflected in (A) the Company's most recent periodic or annual report filed with the Commission, as the case may be, (B) a more recent public announcement by the Company or (C) a more recent written notice by the Company or the Company's transfer agent setting forth the number of shares of Common Stock outstanding. Upon the written or oral request of a Holder, the Company shall within two Trading Days confirm orally and in writing to the Holder the number of shares of Common Stock then outstanding. In any case, the number of outstanding shares of Common Stock shall be determined after giving effect to the conversion or exercise of securities of the Company, including this Warrant, by the Holder or its Affiliates since the date as of which such number of outstanding shares of Common Stock was reported. The "Beneficial Ownership Limitation" shall be 9.99% of the number of shares of the Common Stock outstanding immediately after giving effect to the issuance of shares of Common Stock issuable upon exercise of this Warrant. The Holder, upon notice to the Company, may increase or decrease the Beneficial Ownership Limitation provisions of this Section 2(e), provided that the Beneficial Ownership Limitation in no event exceeds 9.99% of the number of shares of the Common Stock outstanding immediately after giving effect to the issuance of shares of Common Stock upon exercise of this Warrant held by the Holder and the provisions of this Section 2(e) shall continue to apply. Any increase in the Beneficial Ownership Limitation will not be effective until the 61st day after such notice is delivered to the Company. The provisions of this paragraph shall be construed and implemented in a manner otherwise than in strict conformity with the terms of this Section 2(e) to correct this paragraph (or any portion hereof) which may be defective or inconsistent with the intended Beneficial Ownership Limitation herein contained or to make changes or supplements necessary or desirable to properly give effect to such limitation. The limitations contained in this paragraph shall apply to a successor holder of this Warrant.

Section 3. Certain Adjustments.

a) Stock Dividends and Splits. If the Company, at any time while this Warrant is outstanding: (i) pays a stock dividend or otherwise makes a distribution or distributions on shares of its Common Stock or any other equity or equity equivalent securities payable in shares of Common Stock (which, for avoidance of doubt, shall not include any shares of Common Stock issued by the Company upon exercise of this Warrant), (ii) subdivides outstanding shares of Common Stock into a larger number of shares, (iii) combines (including by way of reverse stock split) outstanding shares of Common Stock into a smaller number of shares, or (iv) issues by reclassification of shares of the Common Stock any shares of capital stock of the Company, then in each case the Exercise Price shall be multiplied by a fraction of which the numerator shall be the number of shares of Common Stock (excluding treasury shares, if any) outstanding

immediately before such event and of which the denominator shall be the number of shares of Common Stock outstanding immediately after such event, and the number of shares issuable upon exercise of this Warrant shall be proportionately adjusted such that the aggregate Exercise Price of this Warrant shall remain unchanged. Any adjustment made pursuant to this Section 3(a) shall become effective immediately after the record date for the determination of stockholders entitled to receive such dividend or distribution and shall become effective immediately after the effective date in the case of a subdivision, combination or re-classification. For the purposes of clarification, the Exercise Price of this Warrant will not be adjusted in the event that the Company or any Subsidiary thereof, as applicable, sells or grants any option to purchase, or sell or grant any right to reprice, or otherwise dispose of or issue (or announce any offer, sale, grant or any option to purchase or other disposition) any Common Stock or Common Stock Equivalents, at an effective price per share less than the Exercise Price then in effect.

b) [RESERVED]

c) Subsequent Rights Offerings. In addition to any adjustments pursuant to Section 3(a) above, if at any time the Company grants, issues or sells any Common Stock Equivalents or rights to purchase stock, warrants, securities or other property pro rata to the record holders of any class of shares of Common Stock (the "Purchase Rights"), then the Holder will be entitled to acquire, upon the terms applicable to such Purchase Rights, the aggregate Purchase Rights which the Holder could have acquired if the Holder had held the number of shares of Common Stock acquirable upon complete exercise of this Warrant (without regard to any limitations on exercise hereof, including without limitation, the Beneficial Ownership Limitation) immediately before the date on which a record is taken for the grant, issuance or sale of such Purchase Rights, or, if no such record is taken, the date as of which the record holders of shares of Common Stock are to be determined for the grant, issue or sale of such Purchase Rights (provided, however, to the extent that the Holder's right to participate in any such Purchase Right would result in the Holder exceeding the Beneficial Ownership Limitation, then the Holder shall not be entitled to participate in such Purchase Right to such extent (or beneficial ownership of such shares of Common Stock as a result of such Purchase Right to such extent) and such Purchase Right to such extent shall be held in abeyance for the Holder until such time, if ever, as its right thereto would not result in the Holder exceeding the Beneficial Ownership Limitation).

d) Pro Rata Distributions. During such time as this Warrant is outstanding, if the Company shall declare or make any dividend (other than cash dividends) or other distribution of its assets (or rights to acquire its assets) to holders of shares of Common Stock, by way of return of capital or otherwise (including, without limitation, any distribution of shares or other securities, property or options by way of a dividend, spin off, reclassification, corporate rearrangement, scheme of arrangement or other similar transaction) (a "Distribution"), at any time after the issuance of this Warrant, then, in each such case, the Holder shall be entitled to participate in such Distribution to the same extent that the Holder would have participated therein if the Holder had held the number of shares of Common Stock acquirable upon complete exercise of this Warrant (without regard to any limitations on exercise hereof, including without limitation, the Beneficial Ownership Limitation) immediately before the date of which a record is taken for such Distribution, or, if no such record is taken, the date as of which the record holders of shares of Common Stock are to be determined for the participation in such Distribution (provided, however, to the extent that the Holder's right to participate in any such Distribution would result in the Holder exceeding the Beneficial Ownership Limitation, then the Holder shall not be entitled to participate in such Distribution to such extent (or in the beneficial ownership of any shares of Common Stock as a result of such Distribution to such extent) and the portion of such Distribution shall be held in abeyance for the benefit of the Holder until such time, if ever,

as its right thereto would not result in the Holder exceeding the Beneficial Ownership Limitation). To the extent that this Warrant has not been partially or completely exercised at the time of such Distribution, such portion of the Distribution shall be held in abeyance for the benefit of the Holder until the Holder has exercised this Warrant.

e) Fundamental Transaction. If, at any time while this Warrant is outstanding, (i) the Company, directly or indirectly, in one or more related transactions effects any merger or consolidation of the Company with or into another Person, (ii) the Company, directly or indirectly, effects any sale, lease, license, assignment, transfer, conveyance or other disposition of all or substantially all of its assets in one or a series of related transactions, (iii) any, direct or indirect, purchase offer, tender offer or exchange offer (whether by the Company or another Person) is completed pursuant to which holders of Common Stock are permitted to sell, tender or exchange their shares for other securities, cash or property and has been accepted by the holders of 50% or more of the outstanding Common Stock, (iv) the Company, directly or indirectly, in one or more related transactions effects any reclassification, reorganization or recapitalization of the Common Stock or any compulsory share exchange pursuant to which the Common Stock is effectively converted into or exchanged for other securities, cash or property, or (v) the Company, directly or indirectly, in one or more related transactions consummates a stock or share purchase agreement or other business combination (including, without limitation, a reorganization, recapitalization, spin-off or scheme of arrangement) with another Person or group of Persons whereby such other Person or group acquires more than 50% of the outstanding shares of Common Stock (not including any shares of Common Stock held by the other Person or other Persons making or party to, or associated or affiliated with the other Persons making or party to, such stock or share purchase agreement or other business combination) (each a "Fundamental Transaction"), then, upon any subsequent exercise of this Warrant, the Holder shall have the right to receive, for each Warrant Share that would have been issuable upon such exercise immediately prior to the occurrence of such Fundamental Transaction, at the option of the Holder (without regard to any limitation in Section 2(e) on the exercise of this Warrant), the number of shares of Common Stock of the successor or acquiring corporation or of the Company, if it is the surviving corporation, and any additional consideration (the "Alternate Consideration") receivable by holders of Common Stock as a result of such Fundamental Transaction for each share of Common Stock for which this Warrant is exercisable immediately prior to such Fundamental Transaction (without regard to any limitation in Section 2(e) on the exercise of this Warrant). For purposes of any such exercise, the determination of the Exercise Price shall be appropriately adjusted to apply to such Alternate Consideration based on the amount of Alternate Consideration issuable in respect of one share of Common Stock in such Fundamental Transaction, and the Company shall apportion the Exercise Price among the Alternate Consideration in a reasonable manner reflecting the relative value of any different components of the Alternate Consideration. If holders of Common Stock are given any choice as to the securities, cash or property to be received in a Fundamental Transaction, then the Holder shall be given the same choice as to the Alternate Consideration it receives upon any exercise of this Warrant following such Fundamental Transaction. The Company shall cause any successor entity in a Fundamental Transaction in which the Company is not the survivor (the "Successor Entity") to assume in writing all of the obligations of the Company under this Warrant in accordance with the provisions of this Section 3(e) pursuant to written agreements in form and substance reasonably satisfactory to the Holder and approved by the Holder (without unreasonable delay) prior to such Fundamental Transaction and shall, at the option of the Holder, deliver to the Holder in exchange for this Warrant a security of the Successor Entity evidenced by a written instrument substantially similar in form and substance to this Warrant which is exercisable for a corresponding number of shares of capital stock of such Successor Entity (or its parent entity) equivalent to the shares of Common Stock acquirable and receivable upon exercise of this Warrant (without regard to any

limitations on the exercise of this Warrant) prior to such Fundamental Transaction, and with an exercise price which applies the exercise price hereunder to such shares of capital stock (but taking into account the relative value of the shares of Common Stock pursuant to such Fundamental Transaction and the value of such shares of capital stock, such number of shares of capital stock and such exercise price being for the purpose of protecting the economic value of this Warrant immediately prior to the consummation of such Fundamental Transaction), and which is reasonably satisfactory in form and substance to the Holder. Upon the occurrence of any such Fundamental Transaction, the Successor Entity shall succeed to, and be substituted for (so that from and after the date of such Fundamental Transaction, the provisions of this Warrant referring to the "Company" shall refer instead to the Successor Entity), and may exercise every right and power of the Company and shall assume all of the obligations of the Company under this Warrant with the same effect as if such Successor Entity had been named as the Company herein.

f) Calculations. All calculations under this Section 3 shall be made to the nearest cent or the nearest 1/100th of a share, as the case may be. For purposes of this Section 3, the number of shares of Common Stock deemed to be issued and outstanding as of a given date shall be the sum of the number of shares of Common Stock (excluding treasury shares, if any) issued and outstanding.

g) Notice to Holder.

i. Adjustment to Exercise Price. Whenever the Exercise Price is adjusted pursuant to any provision of this Section 3, the Company shall promptly mail to the Holder a notice setting forth the Exercise Price after such adjustment and any resulting adjustment to the number of Warrant Shares and setting forth a brief statement of the facts requiring such adjustment.

ii. Notice to Allow Exercise by Holder. If (A) the Company shall declare a dividend (or any other distribution in whatever form) on the Common Stock, (B) the Company shall declare a special nonrecurring cash dividend on or a redemption of the Common Stock, (C) the Company shall authorize the granting to all holders of the Common Stock rights or warrants to subscribe for or purchase any shares of capital stock of any class or of any rights, (D) the approval of any stockholders of the Company shall be required in connection with any reclassification of the Common Stock, any consolidation or merger to which the Company is a party, any sale or transfer of all or substantially all of the assets of the Company, or any compulsory share exchange whereby the Common Stock is converted into other securities, cash or property, or (E) the Company shall authorize the voluntary or involuntary dissolution, liquidation or winding up of the affairs of the Company, then, in each case, the Company shall cause to be mailed a notice to the Holder at its last address as it shall appear upon the Warrant Register of the Company, at least 20 calendar days prior to the applicable record or effective date hereinafter specified, stating (x) the date on which a record is to be taken for the purpose of such dividend, distribution, redemption, rights or warrants, or if a record is not to be taken, the date as of which the holders of the Common Stock of record to be entitled to such dividend, distributions, redemption, rights or warrants are to be determined or (y) the date on which such reclassification, consolidation, merger, sale, transfer or share exchange is expected to become effective or close, and the

date as of which it is expected that holders of the Common Stock of record shall be entitled to exchange their shares of the Common Stock for securities, cash or other property deliverable upon such reclassification, consolidation, merger, sale, transfer or share exchange; provided that the failure to provide such notice or any defect therein shall not affect the validity of the corporate action required to be specified in such notice. To the extent that any notice provided hereunder constitutes, or contains, material, non-public information regarding the Company or any of the Subsidiaries, the Company shall simultaneously file such notice with the Commission pursuant to a Current Report on Form 8-K. The Holder shall remain entitled to exercise this Warrant during the period commencing on the date of such notice to the effective date of the event triggering such notice except as may otherwise be expressly set forth herein.

Section 4. Transfer of Warrant.

a) Transferability. Pursuant to FINRA Rule 5110(g)(1), neither this Warrant nor any Warrant Shares issued upon exercise of this Warrant shall be sold, transferred, assigned, pledged, or hypothecated, or be the subject of any hedging, short sale, derivative, put, or call transaction that would result in the effective economic disposition of the securities by any person for a period of 180 days immediately following the date of effectiveness or commencement of sales of the offering pursuant to which this Warrant is being issued, except the transfer of any security:

i. by operation of law or by reason of reorganization of the Company;

ii. to any FINRA member firm participating in the offering and the officers or partners thereof, if all securities so transferred remain subject to the lock-up restriction in this Section 4(a) for the remainder of the time period;

iii. if the aggregate amount of securities of the Company held by the Holder or related person do not exceed 1% of the securities being offered;

iv. that is beneficially owned on a pro-rata basis by all equity owners of an investment fund, provided that no participating member manages or otherwise directs investments by the fund, and participating members in the aggregate do not own more than 10% of the equity in the fund; or

v. the exercise or conversion of any security, if all securities received remain subject to the lock-up restriction in this Section 4(a) for the remainder of the time period.

Subject to the foregoing restriction, any applicable securities laws and the conditions set forth in Section 4(d), this Warrant and all rights hereunder (including, without limitation, any registration rights) are transferable, in whole or in part, upon surrender of this Warrant at the principal office of the Company or its designated agent, together with a written assignment of this Warrant substantially in the form attached hereto duly executed by the Holder or its agent or attorney and funds sufficient to pay any transfer taxes payable upon the making of such transfer. Upon such surrender and, if required, such payment, the Company shall execute and deliver a new Warrant or

Warrants in the name of the assignee or assignees, as applicable, and in the denomination or denominations specified in such instrument of assignment, and shall issue to the assignor a new Warrant evidencing the portion of this Warrant not so assigned, and this Warrant shall promptly be cancelled. The Warrant, if properly assigned in accordance herewith, may be exercised by a new holder for the purchase of Warrant Shares without having a new Warrant issued.

b) New Warrants. This Warrant may be divided or combined with other Warrants upon presentation hereof at the aforesaid office of the Company, together with a written notice specifying the names and denominations in which new Warrants are to be issued, signed by the Holder or its agent or attorney. Subject to compliance with Section 4(a), as to any transfer which may be involved in such division or combination, the Company shall execute and deliver a new Warrant or Warrants in exchange for the Warrant or Warrants to be divided or combined in accordance with such notice. All Warrants issued on transfers or exchanges shall be dated the initial issuance date of this Warrant and shall be identical with this Warrant except as to the number of Warrant Shares issuable pursuant thereto.

c) Warrant Register. The Company shall register this Warrant, upon records to be maintained by the Company for that purpose (the "Warrant Register"), in the name of the record Holder hereof from time to time. The Company may deem and treat the registered Holder of this Warrant as the absolute owner hereof for the purpose of any exercise hereof or any distribution to the Holder, and for all other purposes, absent actual notice to the contrary.

d) Representation by the Holder. The Holder, by the acceptance hereof, represents and warrants that it is acquiring this Warrant and, upon any exercise hereof, will acquire the Warrant Shares issuable upon such exercise, for its own account and not with a view to or for distributing or reselling such Warrant Shares or any part thereof in violation of the Securities Act or any applicable state securities law, except pursuant to sales registered or exempted under the Securities Act.

Section 5. Miscellaneous.

a) No Rights as Stockholder Until Exercise. This Warrant does not entitle the Holder to any voting rights, dividends or other rights as a stockholder of the Company prior to the exercise hereof as set forth in Section 2(d)(i).

b) Loss, Theft, Destruction or Mutilation of Warrant. The Company covenants that upon receipt by the Company of evidence reasonably satisfactory to it of the loss, theft, destruction or mutilation of this Warrant or any certificate relating to the Warrant Shares, and in case of loss, theft or destruction, of indemnity or security reasonably satisfactory to it (which, in the case of the Warrant, shall not include the posting of any bond), and upon surrender and cancellation of such Warrant or stock certificate, if mutilated, the Company will make and deliver a new Warrant or stock certificate of like tenor and dated as of such cancellation, in lieu of such Warrant or stock certificate.

c) Saturdays, Sundays, Holidays, etc. If the last or appointed day for the taking of any action or the expiration of any right required or granted herein shall not be a Business Day, then, such action may be taken or such right may be exercised on the next succeeding Business Day.

d) Authorized Shares.

The Company covenants that, during the period the Warrant is outstanding, it will reserve from its authorized and unissued Common Stock a sufficient number of shares to provide for the issuance of the Warrant Shares upon the exercise of any purchase rights under this Warrant. The Company further covenants that its issuance of this Warrant shall constitute full authority to its officers who are charged with the duty of executing stock certificates to execute and issue the necessary Warrant Shares upon the exercise of the purchase rights under this Warrant. The Company will take all such reasonable action as may be necessary to assure that such Warrant Shares may be issued as provided herein without violation of any applicable law or regulation, or of any requirements of the Trading Market upon which the Common Stock may be listed. The Company covenants that all Warrant Shares which may be issued upon the exercise of the purchase rights represented by this Warrant will, upon exercise of the purchase rights represented by this Warrant and payment for such Warrant Shares in accordance herewith, be duly authorized, validly issued, fully paid and nonassessable and free from all taxes, liens and charges created by the Company in respect of the issue thereof (other than taxes in respect of any transfer occurring contemporaneously with such issue).

Except and to the extent as waived or consented to by the Holder, the Company shall not by any action, including, without limitation, amending its certificate of incorporation or through any reorganization, transfer of assets, consolidation, merger, dissolution, issue or sale of securities or any other voluntary action, avoid or seek to avoid the observance or performance of any of the terms of this Warrant, but will at all times in good faith assist in the carrying out of all such terms and in the taking of all such actions as may be necessary or appropriate to protect the rights of Holder as set forth in this Warrant against impairment. Without limiting the generality of the foregoing, the Company will (i) not increase the par value of any Warrant Shares above the amount payable therefor upon such exercise immediately prior to such increase in par value, (ii) take all such action as may be necessary or appropriate in order that the Company may validly and legally issue fully paid and nonassessable Warrant Shares upon the exercise of this Warrant and (iii) use commercially reasonable efforts to obtain all such authorizations, exemptions or consents from any public regulatory body having jurisdiction thereof, as may be, necessary to enable the Company to perform its obligations under this Warrant.

Before taking any action which would result in an adjustment in the number of Warrant Shares for which this Warrant is exercisable or in the Exercise Price, the Company shall obtain all such authorizations or exemptions thereof, or consents thereto, as may be necessary from any public regulatory body or bodies having jurisdiction thereof.

e) Jurisdiction. All questions concerning the construction, validity, enforcement and interpretation of this Warrant shall be determined in accordance with the provisions of the underwriting agreement, dated February ___, 2016, by and between the Company and Joseph Gunnar, LLC as representatives of the underwriters set forth therein (the "Underwriting Agreement").

f) Restrictions. The Holder acknowledges that the Warrant Shares acquired upon the exercise of this Warrant, if not registered, and the Holder does not utilize cashless exercise, will have restrictions upon resale imposed by state and federal securities laws.

g) Nonwaiver and Expenses. No course of dealing or any delay or failure to exercise any right hereunder on the part of Holder shall operate as a waiver of such right or otherwise prejudice the Holder's rights, powers or remedies. Without limiting any other provision of this Warrant or the Underwriting Agreement, if the Company willfully and knowingly fails to comply with any provision of this Warrant, which results in any material damages to the Holder, the Company shall pay to the Holder such amounts as shall be sufficient to cover any costs and expenses including, but not limited to, reasonable attorneys' fees, including those of appellate proceedings, incurred by the Holder in collecting any amounts due pursuant hereto or in otherwise enforcing any of its rights, powers or remedies hereunder.

h) Notices. Any notice, request or other document required or permitted to be given or delivered to the Holder by the Company shall be delivered in accordance with the notice provisions of the Underwriting Agreement.

i) Limitation of Liability. No provision hereof, in the absence of any affirmative action by the Holder to exercise this Warrant to purchase Warrant Shares, and no enumeration herein of the rights or privileges of the Holder, shall give rise to any liability of the Holder for the purchase price of any Common Stock or as a stockholder of the Company, whether such liability is asserted by the Company or by creditors of the Company.

j) Remedies. The Holder, in addition to being entitled to exercise all rights granted by law, including recovery of damages, will be entitled to specific performance of its rights under this Warrant. The Company agrees that monetary damages would not be adequate compensation for any loss incurred by reason of a breach by it of the provisions of this Warrant and hereby agrees to waive and not to assert the defense in any action for specific performance that a remedy at law would be adequate.

k) Successors and Assigns. Subject to applicable securities laws, this Warrant and the rights and obligations evidenced hereby shall inure to the benefit of and be binding upon the successors and permitted assigns of the Company and the successors and permitted assigns of Holder. The provisions of this Warrant are intended to be for the benefit of any Holder from time to time of this Warrant and shall be enforceable by the Holder or holder of Warrant Shares.

l) Amendment. This Warrant may be modified or amended or the provisions hereof waived with the written consent of the Company and the Holder.

m) Severability. Wherever possible, each provision of this Warrant shall be interpreted in such manner as to be effective and valid under applicable law, but if any provision of this Warrant shall be prohibited by or invalid under applicable law, such provision shall be ineffective to the extent of such prohibition or invalidity, without invalidating the remainder of such provisions or the remaining provisions of this Warrant.

n) Headings. The headings used in this Warrant are for the convenience of reference only and shall not, for any purpose, be deemed a part of this Warrant.

****

(Signature Page Follows)

IN WITNESS WHEREOF, the Company has caused this Warrant to be executed by its officer thereunto duly authorized as of the date first above indicated.

[COMPANY]

By:_____
Name:
Title:

NOTICE OF EXERCISE

TO: [COMPANY]

_____

(1) The undersigned hereby elects to purchase _____ Warrant Shares of the Company pursuant to the terms of the attached Warrant (only if exercised in full), and tenders herewith payment of the exercise price in full, together with all applicable transfer taxes, if any.

(2) Payment shall take the form of (check applicable box):

[ ] in lawful money of the United States; or

[ ] if permitted the cancellation of such number of Warrant Shares as is necessary, in accordance with the formula set forth in subsection 2(c), to exercise this Warrant with respect to the maximum number of Warrant Shares purchasable pursuant to the cashless exercise procedure set forth in subsection 2(c).

(3) Please register and issue said Warrant Shares in the name of the undersigned or in such other name as is specified below:

_____

The Warrant Shares shall be delivered to the following DWAC Account Number or by physical delivery of a certificate to:

_____

_____

_____

(4) Accredited Investor. If the Warrant is being exercised via cash exercise, the undersigned is an "accredited investor" as defined in Regulation D promulgated under the Securities Act of 1933, as amended

[SIGNATURE OF HOLDER]

Name of Investing Entity: _____
Signature of Authorized Signatory of Investing Entity: _____
Name of Authorized Signatory: _____
Title of Authorized Signatory: _____
Date: _____

ASSIGNMENT FORM

(To assign the foregoing warrant, execute
this form and supply required information.
Do not use this form to exercise the warrant.)

FOR VALUE RECEIVED, [____] all of or [_____] shares of the foregoing Warrant and all rights evidenced thereby are hereby assigned to

_____ whose address is

_____.

_____

Dated: _____, _____

Holder's Signature: _____

Holder's Address: _____

_____

NOTE: The signature to this Assignment Form must correspond with the name as it appears on the face of the Warrant, without alteration or enlargement or any change whatsoever. Officers of corporations and those acting in a fiduciary or other representative capacity should file proper evidence of authority to assign the foregoing Warrant.

EXHIBIT B

Form of Lock-Up Agreement

[•], 2017

Joseph Gunnar & Co., LLC
30 Broad Street, 11th Fl
New York, NY 10004

Ladies and Gentlemen:

The undersigned understands that Joseph Gunnar & Co., LLC (the "**Representative**") proposes to enter into an Underwriting Agreement (the "**Underwriting Agreement**") with [ISSUER], a [STATE] corporation (the "**Company**"), providing for the public offering (the "**Public Offering**") of shares of Class A common stock, par value $0.0001 per share, of the Company (the "**Shares**").

To induce the Representative to continue its efforts in connection with the Public Offering, the undersigned hereby agrees that, without the prior written consent of the Representative, the undersigned will not, during the period commencing on the date hereof and ending [180 or 365 if a director or officer] days after the date of the final prospectus (the "**Prospectus**") relating to the Public Offering (the "**Lock-Up Period**"), (1) offer, pledge, sell, contract to sell, grant, lend, or otherwise transfer or dispose of, directly or indirectly, any Shares or any securities convertible into or exercisable or exchangeable for Shares, whether now owned or hereafter acquired by the undersigned or with respect to which the undersigned has or hereafter acquires the power of disposition (collectively, the "**Lock-Up Securities**"); (2) enter into any swap or other arrangement that transfers to another, in whole or in part, any of the economic consequences of ownership of the Lock-Up Securities, whether any such transaction described in clause (1) or (2) above is to be settled by delivery of Lock-Up Securities, in cash or otherwise; (3) make any demand for or exercise any right with respect to the registration of any Lock-Up Securities; or (4) publicly disclose the intention to make any offer, sale, pledge or disposition, or to enter into any transaction, swap, hedge or other arrangement relating to any Lock-Up Securities. Notwithstanding the foregoing, and subject to the conditions below, the undersigned may transfer Lock-Up Securities without the prior written consent of the Representative in connection with (a) transactions relating to Lock-Up Securities acquired in open market transactions after the completion of the Public Offering; provided that no filing under Section 16(a) of the Securities Exchange Act of 1934, as amended (the "**Exchange Act**"), shall be required or shall be voluntarily made in connection with subsequent sales of Lock-Up Securities acquired in such open market transactions; (b) transfers of Lock-Up Securities as a *bona fide* gift, by will or intestacy or to a family member or trust for the benefit of a family member (for purposes of this lock-up agreement, "family member" means any relationship by blood, marriage or adoption, not more remote than first cousin); (c) transfers of Lock-Up Securities to a charity or educational institution; or (d) if the undersigned, directly or indirectly, controls a corporation, partnership, limited liability company or other business entity, any transfers of Lock-Up Securities to any shareholder, partner or member of, or owner of similar equity interests in, the undersigned, as the case may be; provided that in the case of any transfer pursuant to the foregoing clauses (b), (c) or (d), (i) any such transfer shall not involve a disposition for value, (ii) each transferee shall sign and deliver to the Representative a lock-up agreement substantially in the form of this lock-up agreement and (iii) no filing under Section 16(a) of the Exchange Act shall be required or shall be voluntarily made. The undersigned also agrees and consents to the entry of stop transfer instructions with the Company's transfer agent and registrar against the transfer of the undersigned's Lock-Up Securities except in compliance with this lock-up agreement.

If (i) during the last 17 days of the Lock-Up Period, the Company issues an earnings release or material news or a material event relating to the Company occurs, or (ii) prior to the expiration of the Lock-Up Period, the Company announces that it will release earnings results or becomes aware that material news or a material event will occur during the 16-day period beginning on the last day of the Lock-Up Period, the restrictions imposed by this lock-up agreement shall continue to apply until the expiration of the 18-day period beginning on the issuance of the earnings release or the occurrence of such material news or material event, as applicable, unless the Representative waives, in writing, such extension[; provided, however, that this extension of the Lock-Up Period shall not apply to the extent that FINRA has amended or repealed NASD Rule 2711(f)(4), or has otherwise provided written interpretive guidance regarding such rule, in each case, so as to eliminate the prohibition of any broker, dealer, or member of a national securities association from publishing or distributing any research report, with respect to the securities of an Emerging Growth Company prior to or after the expiration of any agreement between the broker, dealer, or member of a national securities association and the Emerging Growth Company or its shareholders that restricts or prohibits the sale of securities held by the Emerging Growth Company or its shareholders after the initial public offering date.

The undersigned agrees that, prior to engaging in any transaction or taking any other action that is subject to the terms of this lock-up agreement during the period from the date hereof to and including the 34th day following the expiration of the initial Lock-Up Period, the undersigned will give notice thereof to the Company and will not consummate any such transaction or take any such action unless it has received written confirmation from the Company that the Lock-Up Period (as may have been extended pursuant to the previous paragraph) has expired.

If the undersigned is an officer or director of the Company, (i) the undersigned agrees that the foregoing restrictions shall be equally applicable to any issuer-directed or "friends and family" Shares that the undersigned may purchase in the Public Offering; (ii) the Representative agrees that, at least three (3) business days before the effective date of any release or waiver of the foregoing restrictions in connection with a transfer of Lock-Up Securities, the Representative will notify the Company of the impending release or waiver; and (iii) the Company has agreed in the Underwriting Agreement to announce the impending release or waiver by press release through a major news service at least two (2) business days before the effective date of the release or waiver. Any release or waiver granted by the Representative hereunder to any such officer or director shall only be effective two (2) business days after the publication date of such press release. The provisions of this paragraph will not apply if (a) the release or waiver is effected solely to permit a transfer of Lock-Up Securities not for consideration and (b) the transferee has agreed in writing to be bound by the same terms described in this lock-up agreement to the extent and for the duration that such terms remain in effect at the time of such transfer.

No provision in this agreement shall be deemed to restrict or prohibit the exercise, exchange or conversion by the undersigned of any securities exercisable or exchangeable for or convertible into Shares, as applicable; provided that the undersigned does not transfer the Shares acquired on such exercise, exchange or conversion during the Lock-Up Period, unless otherwise permitted pursuant to the terms of this lock-up agreement. In addition, no provision herein shall be deemed to restrict or prohibit the entry into or modification of a so-called "10b5-1" plan at any time (other than the entry into or modification of such a plan in such a manner as to cause the sale of any Lock-Up Securities within the Lock-Up Period).

The undersigned understands that the Company and the Representative are relying upon this lock-up agreement in proceeding toward consummation of the Public Offering. The undersigned further understands that this lock-up agreement is irrevocable and shall be binding upon the undersigned's heirs, legal representatives, successors and assigns.

The undersigned understands that, if the Underwriting Agreement is not executed by [•], 2016, or if the Underwriting Agreement (other than the provisions thereof which survive termination) shall terminate or be terminated prior to payment for and delivery of the Shares to be sold thereunder, then this lock-up agreement shall be void and of no further force or effect.

Whether or not the Public Offering actually occurs depends on a number of factors, including market conditions. Any Public Offering will only be made pursuant to an Underwriting Agreement, the terms of which are subject to negotiation between the Company and the Representative.

Very truly yours,

_____
(Name - Please Print)

_____
(Signature)

_____
(Name of Signatory, in the case of entities - Please Print)

_____
(Title of Signatory, in the case of entities - Please Print)

Address: _____

_____

_____

EXHIBIT C

Form of Press Release

[COMPANY]

[Date]

[COMPANY] (the "Company") announced today that Joseph Gunnar & Co., LLC, acting as representative for the underwriters in the Company's recent public offering of _____ shares of the Company's common stock, is [waiving] [releasing] a lock-up restriction with respect to _____ shares of the Company's common stock held by [certain officers or directors] [an officer or director] of the Company. The [waiver] [release] will take effect on _____, 20___, and the shares may be sold on or after such date.

This press release is not an offer or sale of the securities in the United States or in any other jurisdiction where such offer or sale is prohibited, and such securities may not be offered or sold in the United States absent registration or an exemption from registration under the Securities Act of 1933, as amended.

EXHIBIT D

Form of Opinion of Counsel

[To Come From Counsel]

EXHIBIT 5.1

LUCOSKY BROOKMAN LLP
101 Wood Avenue South
5th Floor
Woodbridge, NJ 08830
T – (732) 395-4400
F – (732) 395-4401
www.lucbro.com

45 Rockefeller Plaza
Suite 2000
New York, NY 10111

July 14, 2017

Duos Technologies Group, Inc.
6622 Southpoint Drive S., Suite 310
Jacksonville, Florida 32216

RE: Amendment No. 4 to Registration Statement on Form S-1

Gentlemen:

We have acted as counsel to you, Duos Technologies Group, Inc., a Florida corporation, (the "Company") in connection with the Company's Registration Statement on Form S-1 filed with the Securities and Exchange Commission (the "Commission") pursuant to the Securities Act of 1933, as amended (the "Securities Act") (File No. File No. 333-215652) (the "Registration Statement") with respect to (i) up to 2,195,600 shares of the Company's common stock, $0.001 par value per share (the "Common Stock"), (ii) warrants to purchase up to 2,195,600 shares of the Company's common stock (the "Common Stock Warrants"), (iii) up to 329,340 shares of the Company's common stock for which the underwriters have been granted an over-allotment option (the "Over-Allotment Shares" and together with the Common Stock, the "Shares"); (iv) warrants to purchase up to an additional 329,340 shares of the Company's common stock issuable upon exercise for which the underwriters have been granted an over-allotment option (the "Over-Allotment Warrants" and together with the Common Stock Warrants, the "Warrants") and (v) all shares of Company's common stock issuable upon exercise of the Warrants (the "Warrant Shares"). This opinion is being furnished in accordance with the requirements of Item 601(b)(5) of Regulation S-K under the Securities Act.

In connection with this opinion, we have examined the originals or copies certified or otherwise identified to our satisfaction of the following: (a) Articles of Incorporation of the Company, as amended to date, (b) Bylaws of the Company, as amended to date, and (c) the Registration Statement and all exhibits thereto. In addition to the foregoing, we also have relied as to matters of fact upon the representations made by the Company and its representatives and we have assumed the genuineness of all signatures, the authenticity of all documents submitted to us as originals, and the conformity to original documents of all documents submitted to us certified or photostatic copies.

Based upon the foregoing and in reliance thereon, and subject to the qualifications, limitations, exceptions and assumptions set forth herein, we are of the opinion that, having been issued and sold in exchange for payment in full to the Company of all consideration required therefor as applicable, and as described in the Registration Statement:

(1) The Shares and the Warrants are validly issued, fully paid and non-assessable;

(2) The Warrants constitute valid and binding obligations of the Company enforceable against the Company in accordance with their terms; and

(3) The Warrant Shares, when issued upon exercise of the Warrants in the manner and on the terms described in the Registration Statement and the Warrants, including receipt of the requisite consideration set forth therein, will be duly authorized, validly issued, fully paid and non-assessable.

The opinion expressed herein is limited to the laws of the State of Florida, including the Constitution of the State of Florida, all applicable provisions of the statutory provisions, and reported judicial decisions interpreting those laws. We are attorneys licensed to practice in the States of New York and New Jersey and our opinions herein are reliant upon the opinion provided to us by the Company's local Florida counsel. This opinion is limited to the laws in effect as of the date the Registration Statement is declared effective by the Commission and is provided exclusively in connection with the public offering contemplated by the Registration Statement.

This opinion letter speaks only as of the date hereof and we assume no obligation to update or supplement this opinion letter if any applicable laws change after the date of this opinion letter or if we become aware after the date of this opinion letter of any facts, whether existing before or arising after the date hereof, that might change the opinions expressed above.

This opinion letter is furnished in connection with the filing of the Registration Statement and may not be relied upon for any other purpose without our prior written consent in each instance. Further, no portion of this letter may be quoted, circulated or referred to in any other document for any other purpose without our prior written consent.

We hereby consent to the filing of this opinion with the Commission as an exhibit to the Registration Statement and to the use of our name as it appears in the Prospectus included in the Registration Statement. In giving such consent, we do not thereby admit that we come within the category of persons whose consent is required under Section 7 of the Securities Act or the rules and regulations of the Commission promulgated thereunder. This opinion is expressed as of the date hereof unless otherwise expressly stated, and we disclaim any undertaking to advise you of any subsequent changes in the facts stated or assumed herein or of any subsequent changes in applicable laws.

Very Truly Yours,

/s/*Lucosky Brookman LLP*
Lucosky Brookman LLP

EXHIBIT 10.9

COMMON STOCK PURCHASE WARRANT

DUOS TECHNOLOGIES GROUP, INC.

Warrant Shares: _____

Initial Exercise Date: [●] ___, [●]
Issue Date: [●] ___, 2017

CUSIP: _____

ISIN: _____

THIS COMMON STOCK PURCHASE WARRANT (the "Warrant") certifies that, for value received, _____ or its assigns (the "Holder") is entitled, upon the terms and subject to the limitations on exercise and the conditions hereinafter set forth, at any time on or after [●] ___, (the "Initial Exercise Date") and on or prior to the close of business on the five (5) year anniversary of the Initial Exercise Date (the "Termination Date") but not thereafter, to subscribe for and purchase from Duos Technologies Group, Inc., a Florida corporation (the "Company"), up to _____ shares (as subject to adjustment hereunder, the "Warrant Shares") of Common Stock. The purchase price of one share of Common Stock under this Warrant shall be equal to the Exercise Price, as defined in Section 2(b). This Warrant shall initially be issued and maintained in the form of a security held in book-entry form and the Depository Trust Company or its nominee ("DTC") shall initially be the sole registered holder of this Warrant, subject to a Holder's right to elect to receive a Warrant in certificated form pursuant to the terms of the Warrant Agency Agreement, in which case this sentence shall not apply.

Section 1. Definitions. In addition to the terms defined elsewhere in this Warrant, the following terms have the meanings indicated in this Section 1:

"Affiliate" means any Person that, directly or indirectly through one or more intermediaries, controls or is controlled by or is under common control with a Person, as such terms are used in and construed under Rule 405 under the Securities Act.

"Board of Directors" means the board of directors of the Company.

"Business Day" means any day except any Saturday, any Sunday, any day which is a federal legal holiday in the United States or any day on which banking institutions in the State of New York are authorized or required by law or other governmental action to close.

"Commission" means the United States Securities and Exchange Commission.

"Common Stock" means the common stock of the Company, par value $0.001 per share, and any other class of securities into which such securities may hereafter be reclassified or changed.

"Common Stock Equivalents" means any securities of the Company or the Subsidiaries which would entitle the holder thereof to acquire at any time Common Stock, including, without limitation, any debt, preferred stock, right, option, warrant or other instrument that is at any time convertible into or exercisable or exchangeable for, or otherwise entitles the holder thereof to receive, Common Stock

"Exchange Act" means the Securities Exchange Act of 1934, as amended, and the rules and regulations promulgated thereunder.

"Exempt Issuance" means the issuance of (a) shares of Common Stock or options to employees, officers or directors of the Company pursuant to any stock or option plan duly adopted for such purpose, by a majority of the non-employee members of the Board of Directors or a majority of the members of a committee of non-employee directors established for such purpose, (b) securities upon the exercise or exchange of or conversion of any Securities issued hereunder and/or other securities exercisable or exchangeable for or convertible into shares of

Common Stock issued and outstanding on the date of this Agreement, provided that such securities have not been amended since the date of this Agreement to increase the number of such securities or to decrease the exercise price, exchange price or conversion price of such securities, and (c) securities issued pursuant to acquisitions or strategic transactions approved by a majority of the disinterested directors of the Company, provided that any such issuance shall only be to a Person (or to the equity holders of a Person) which is, itself or through its subsidiaries, an operating company or an owner of an asset in a business synergistic with the business of the Company and shall provide to the Company additional benefits in addition to the investment of funds, but shall not include a transaction in which the Company is issuing securities primarily for the purpose of raising capital or to an entity whose primary business is investing in securities.

"Liens" means a lien, charge pledge, security interest, encumbrance, right of first refusal, preemptive right or other restriction.

"Person" means an individual or corporation, partnership, trust, incorporated or unincorporated association, joint venture, limited liability company, joint stock company, government (or an agency or subdivision thereof) or other entity of any kind.

"Proceeding" means an action, claim, suit, investigation or proceeding (including, without limitation, an informal investigation or partial proceeding, such as a deposition), whether commenced or threatened.

"Registration Statement" means the Company's registration statement on Form S-1 (File No. 333-215652).

"Rule 144" means Rule 144 promulgated by the Commission pursuant to the Securities Act, as such Rule may be amended or interpreted from time to time, or any similar rule or regulation hereafter adopted by the Commission having substantially the same purpose and effect as such Rule.

"Securities Act" means the Securities Act of 1933, as amended, and the rules and regulations promulgated thereunder.

"Trading Day" means a day on which the Common Stock is traded on a Trading Market.

"Trading Market" means any of the following markets or exchanges on which the Common Stock is listed or quoted for trading on the date in question: the NYSE MKT, the Nasdaq Capital Market, the Nasdaq Global Market, the Nasdaq Global Select Market, the New York Stock Exchange, OTCQB or OTCQX (or any successors to any of the foregoing).

"Transfer Agent" means Pacific Stock Transfer Co., the current transfer agent of the Company, with a mailing address of 6725 Via Austi Parkway Suite 300, Las Vegas, NV 89119 and a telephone number of (702) 361-3033, and any successor transfer agent of the Company.

"Warrant Agency Agreement " means that certain Warrant Agency Agreement, dated as of the Initial Exercise Date, between the Company and the Warrant Agent.

"Warrant Agent" means the Transfer Agent and any successor warrant agent of the Company.

"Warrants" means this Warrant and other Common Stock Purchase Warrants issued by the Company pursuant to the Registration Statement.

"Variable Rate Transaction" means a transaction in which the Company (i) issues or sells any debt or equity securities that are convertible into, exchangeable or exercisable for, or include the right to receive, additional shares of Common Stock either (A) at a conversion price, exercise price or exchange rate or other price that is based upon, and/or varies with, the trading prices of or quotations for the shares of Common Stock at any time after the initial issuance of such debt or equity securities or (B) with a conversion, exercise or exchange price that is subject to being reset at some future date after the initial issuance of such debt or equity security or upon the occurrence of specified or contingent events directly or indirectly related to the business of the Company or the market for the

Common Stock or (ii) enters into, or effects a transaction under, any agreement, including, but not limited to, an equity line of credit, whereby the Company may issue securities at a future determined price.

Section 2. Exercise.

a) Exercise of the purchase rights represented by this Warrant may be made, in whole or in part, at any time or times on or after the Initial Exercise Date and on or before the Termination Date by delivery to the Company (or such other office or agency of the Company as it may designate by notice in writing to the registered Holder at the address of the Holder appearing on the books of the Company) of a duly executed facsimile copy (or e-mail attachment) of the Notice of Exercise in the form annexed hereto. Within three (3) Trading Days following the date of exercise as aforesaid, the Holder shall deliver the aggregate Exercise Price for the shares specified in the applicable Notice of Exercise by wire transfer or cashier's check drawn on a United States bank unless the cashless exercise procedure specified in Section 2(c) below is specified in the applicable Notice of Exercise. No ink-original Notice of Exercise shall be required, nor shall any medallion guarantee (or other type of guarantee or notarization) of any Notice of Exercise form be required. Notwithstanding anything herein to the contrary, the Holder shall not be required to physically surrender this Warrant to the Company until the Holder has purchased all of the Warrant Shares available hereunder and the Warrant has been exercised in full, in which case, the Holder shall surrender this Warrant to the Company for cancellation within three (3) Trading Days of the date the final Notice of Exercise is delivered to the Company. Partial exercises of this Warrant resulting in purchases of a portion of the total number of Warrant Shares available hereunder shall have the effect of lowering the outstanding number of Warrant Shares purchasable hereunder in an amount equal to the applicable number of Warrant Shares purchased. The Holder and the Company shall maintain records showing the number of Warrant Shares purchased and the date of such purchases. The Company shall deliver any objection to any Notice of Exercise within five (5) Business Days of receipt of such notice. **The Holder and any assignee, by acceptance of this Warrant, acknowledge and agree that, by reason of the provisions of this paragraph, following the purchase of a portion of the Warrant Shares hereunder, the number of Warrant Shares available for purchase hereunder at any given time may be less than the amount stated on the face hereof.**

Notwithstanding the foregoing in this Section 2(a), a holder whose interest in this Warrant is a beneficial interest in certificate(s) representing this Warrant held in book-entry form through DTC (or another established clearing corporation performing similar functions), shall effect exercises made pursuant to this Section 2(a) by delivering to DTC (or such other clearing corporation, as applicable) the appropriate instruction form for exercise, complying with the procedures to effect exercise that are required by DTC (or such other clearing corporation, as applicable), subject to a Holder's right to elect to receive a Warrant in certificated form pursuant to the terms of the Warrant Agency Agreement, in which case this sentence shall not apply.

b) Exercise Price. The exercise price per share of the Common Stock under this Warrant shall be **$**_____, subject to adjustment hereunder (the "Exercise Price").

c) Cashless Exercise. If at the time of exercise hereof there is no effective registration statement registering, or the prospectus contained therein is not available for the issuance of the Warrant Shares to the Holder, then this Warrant may also be exercised, in whole or in part, at such time by means of a "cashless exercise" in which the Holder shall be entitled to receive a number of Warrant Shares equal to the quotient obtained by dividing [(A-B) (X)] by (A), where:

(A) = the last VWAP immediately preceding the time of delivery of the Notice of Exercise giving rise to the applicable "cashless exercise", as set forth in the applicable Notice of Exercise (to clarify, the "last VWAP" will be the last VWAP as calculated over an entire Trading Day such that, in the event that this Warrant is exercised at a time that the Trading Market is open, the prior Trading Day's VWAP shall be used in this calculation);

(B) = the Exercise Price of this Warrant, as adjusted hereunder; and

(X) = the number of Warrant Shares that would be issuable upon exercise of this Warrant in accordance with the terms of this Warrant if such exercise were by means of a cash exercise rather than a cashless exercise.

If Warrant Shares are issued in such a cashless exercise, the parties acknowledge and agree that in accordance with Section 3(a)(9) of the Securities Act, the Warrant Shares shall take on the registered characteristics of the Warrants being exercised. The Company agrees not to take any position contrary to this Section 2(c).

"VWAP" means, for any date, the price determined by the first of the following clauses that applies: (a) if the Common Stock is then listed or quoted on a Trading Market, the daily volume weighted average price of the Common Stock for such date (or the nearest preceding date) on the Trading Market on which the Common Stock is then listed or quoted as reported by Bloomberg L.P. (based on a Trading Day from 9:30 a.m. (New York City time) to 4:02 p.m. (New York City time)), (b) if OTCQB or OTCQX is not a Trading Market, the volume weighted average price of the Common Stock for such date (or the nearest preceding date) on OTCQB or OTCQX as applicable, (c) if the Common Stock is not then listed or quoted for trading on OTCQB or OTCQX and if prices for the Common Stock are then reported in the "Pink Sheets" published by OTC Markets Group, Inc. (or a similar organization or agency succeeding to its functions of reporting prices), the most recent bid price per share of the Common Stock so reported, or (d) in all other cases, the fair market value of a share of Common Stock as determined by an independent appraiser selected in good faith by the holders of a majority in interest of the Warrants then outstanding and reasonably acceptable to the Company, the fees and expenses of which shall be paid by the Company.

Notwithstanding anything herein to the contrary, on the Termination Date, this Warrant shall be automatically exercised via cashless exercise pursuant to this Section 2(c).

d) Mechanics of Exercise.

i. Delivery of Warrant Shares Upon Exercise. The Company shall cause the Warrant Shares purchased hereunder to be transmitted by the Transfer Agent to the Holder by crediting the account of the Holder's or its designee's balance account with The Depository Trust Company through its Deposit or Withdrawal at Custodian system ("DWAC") if the Company is then a participant in such system and either (A) there is an effective registration statement permitting the issuance of the Warrant Shares to or resale of the Warrant Shares by Holder or (B) this Warrant is being exercised via cashless exercise, and otherwise by physical delivery of a certificate, registered in the Company's share register in the name of the Holder or its designee, for the number of Warrant Shares to which the Holder is entitled pursuant to such exercise to the address specified by the Holder in the Notice of Exercise by the date that is three (3) Trading Days after the delivery to the Company of the Notice of Exercise (such date, the "Warrant Share Delivery Date"). Upon delivery of the Notice of Exercise, the Holder shall be deemed for all corporate purposes to have become the holder of record of the Warrant Shares with respect to which this Warrant has been exercised, irrespective of the date of delivery of the Warrant Shares, provided that payment of the aggregate Exercise Price (other than in the case of a Cashless Exercise) is received within three Trading Days of delivery of the Notice of Exercise. If the Company fails for any reason to deliver to the Holder the Warrant Shares subject to a Notice of Exercise by the Warrant Share Delivery Date, the Company shall pay to the Holder, in cash, as liquidated damages and not as a penalty, for each $1,000 of Warrant Shares subject to such exercise (based on the VWAP of the Common Stock on the date of the applicable Notice of Exercise), $10 per Trading Day (increasing to $20 per Trading Day on the fifth Trading Day after such liquidated damages begin to accrue) for each Trading Day after such Warrant Share Delivery Date until such Warrant Shares are delivered or Holder rescinds such exercise. The Company agrees to maintain a transfer agent that is a participant in the FAST program so long as this Warrant remains outstanding and exerciseable.

ii. Delivery of New Warrants Upon Exercise. If this Warrant shall have been exercised in part, the Company shall, at the request of a Holder and upon surrender of this Warrant certificate, at the time of delivery of the Warrant Shares, deliver to the Holder a new Warrant evidencing the rights of the Holder to purchase the unpurchased Warrant Shares called for by this Warrant, which new Warrant shall in all other respects be identical with this Warrant.

iii. Rescission Rights. If the Company fails to cause the Transfer Agent to transmit to the Holder the Warrant Shares pursuant to Section 2(d)(i) by the Warrant Share Delivery Date, then the Holder will have the right to rescind such exercise.

iv. Compensation for Buy-In on Failure to Timely Deliver Warrant Shares Upon Exercise. In addition to any other rights available to the Holder, if the Company fails to cause the Transfer Agent to transmit to the Holder the Warrant Shares in accordance with the provisions of Section 2(d)(i) above pursuant to an exercise on or before the Warrant Share Delivery Date, and if after such date the Holder is required by its broker to purchase (in an open market transaction or otherwise) or the Holder's brokerage firm otherwise purchases, shares of Common Stock to deliver in satisfaction of a sale by the Holder of the Warrant Shares which the Holder anticipated receiving upon such exercise (a "Buy-In"), then the Company shall (A) pay in cash to the Holder the amount, if any, by which (x) the Holder's total purchase price (including brokerage commissions, if any) for the shares of Common Stock so purchased exceeds (y) the amount obtained by multiplying (1) the number of Warrant Shares that the Company was required to deliver to the Holder in connection with the exercise at issue times (2) the price at which the sell order giving rise to such purchase obligation was executed, and (B) at the option of the Holder, either reinstate the portion of the Warrant and equivalent number of Warrant Shares for which such exercise was not honored (in which case such exercise shall be deemed rescinded) or deliver to the Holder the number of shares of Common Stock that would have been issued had the Company timely complied with its exercise and delivery obligations hereunder. For example, if the Holder purchases Common Stock having a total purchase price of $11,000 to cover a Buy-In with respect to an attempted exercise of shares of Common Stock with an aggregate sale price giving rise to such purchase obligation of $10,000, under clause (A) of the immediately preceding sentence the Company shall be required to pay the Holder $1,000. The Holder shall provide the Company written notice indicating the amounts payable to the Holder in respect of the Buy-In and, upon request of the Company, evidence of the amount of such loss. Nothing herein shall limit a Holder's right to pursue any other remedies available to it hereunder, at law or in equity including, without limitation, a decree of specific performance and/or injunctive relief with respect to the Company's failure to timely deliver shares of Common Stock upon exercise of the Warrant as required pursuant to the terms hereof.

v. No Fractional Shares or Scrip. No fractional shares or scrip representing fractional shares shall be issued upon the exercise of this Warrant. As to any fraction of a share which the Holder would otherwise be entitled to purchase upon such exercise, the Company shall, at its election, either pay a cash adjustment in respect of such final fraction in an amount equal to such fraction multiplied by the Exercise Price or round up to the next whole share.

vi. Charges, Taxes and Expenses. Issuance of Warrant Shares shall be made without charge to the Holder for any issue or transfer tax or other incidental expense in respect of the issuance of such Warrant Shares, all of which taxes and expenses shall be paid by the Company, and such Warrant Shares shall be issued in the name of the Holder or in such name or names as may be directed by the Holder; provided, however, that in the event Warrant Shares are to be issued in a name other than the name of the Holder, this Warrant when surrendered for exercise shall be accompanied by the Assignment Form attached hereto duly executed by the Holder and the Company may require, as a

condition thereto, the payment of a sum sufficient to reimburse it for any transfer tax incidental thereto. The Company shall pay all Transfer Agent fees required for same-day processing of any Notice of Exercise and all fees to the Depository Trust Company (or another established clearing corporation performing similar functions) required for same-day electronic delivery of the Warrant Shares.

vii. Closing of Books. The Company will not close its stockholder books or records in any manner which prevents the timely exercise of this Warrant, pursuant to the terms hereof.

e) Holder's Exercise Limitations. The Company shall not effect any exercise of this Warrant, and a Holder shall not have the right to exercise any portion of this Warrant, pursuant to Section 2 or otherwise, to the extent that after giving effect to such issuance after exercise as set forth on the applicable Notice of Exercise, the Holder (together with the Holder's Affiliates, and any other Persons acting as a group together with the Holder or any of the Holder's Affiliates (such Persons, "Attribution Parties")), would beneficially own in excess of the Beneficial Ownership Limitation (as defined below). For purposes of the foregoing sentence, the number of shares of Common Stock beneficially owned by the Holder and its Affiliates and Attribution Parties shall include the number of shares of Common Stock issuable upon exercise of this Warrant with respect to which such determination is being made, but shall exclude the number of shares of Common Stock which would be issuable upon (i) exercise of the remaining, nonexercised portion of this Warrant beneficially owned by the Holder or any of its Affiliates or Attribution Parties and (ii) exercise or conversion of the unexercised or nonconverted portion of any other securities of the Company (including, without limitation, any other Common Stock Equivalents) subject to a limitation on conversion or exercise analogous to the limitation contained herein beneficially owned by the Holder or any of its Affiliates or Attribution Parties. Except as set forth in the preceding sentence, for purposes of this Section 2(e), beneficial ownership shall be calculated in accordance with Section 13(d) of the Exchange Act and the rules and regulations promulgated thereunder, it being acknowledged by the Holder that the Company is not representing to the Holder that such calculation is in compliance with Section 13(d) of the Exchange Act and the Holder is solely responsible for any schedules required to be filed in accordance therewith. To the extent that the limitation contained in this Section 2(e) applies, the determination of whether this Warrant is exercisable (in relation to other securities owned by the Holder together with any Affiliates and Attribution Parties) and of which portion of this Warrant is exercisable shall be in the sole discretion of the Holder, and the submission of a Notice of Exercise shall be deemed to be the Holder's determination of whether this Warrant is exercisable (in relation to other securities owned by the Holder together with any Affiliates and Attribution Parties) and of which portion of this Warrant is exercisable, in each case subject to the Beneficial Ownership Limitation, and the Company shall have no obligation to verify or confirm the accuracy of such determination. In addition, a determination as to any group status as contemplated above shall be determined in accordance with Section 13(d) of the Exchange Act and the rules and regulations promulgated thereunder. For purposes of this Section 2(e), in determining the number of outstanding shares of Common Stock, a Holder may rely on the number of outstanding shares of Common Stock as reflected in (A) the Company's most recent periodic or annual report filed with the Commission, as the case may be, (B) a more recent public announcement by the Company or (C) a more recent written notice by the Company or the Transfer Agent setting forth the number of shares of Common Stock outstanding. Upon the written or oral request of a Holder, the Company shall within two Trading Days confirm orally and in writing to the Holder the number of shares of Common Stock then outstanding. In any case, the number of outstanding shares of Common Stock shall be determined after giving effect to the conversion or exercise of securities of the Company, including this Warrant, by the Holder or its Affiliates or Attribution Parties since the date as of which such number of outstanding shares of Common Stock was reported. The "Beneficial Ownership Limitation" shall be 4.99% (or, upon election by a Holder prior to the issuance of any Warrants, 9.99%) of the number of shares of the Common Stock outstanding immediately after giving effect to the issuance of shares of Common Stock issuable upon exercise of this Warrant. The Holder, upon notice to the Company, may increase or decrease the Beneficial Ownership Limitation provisions of this Section 2(e), provided that the Beneficial Ownership Limitation in no event exceeds 9.99% of the number of shares of the Common Stock outstanding immediately after giving effect to the issuance of shares of Common Stock upon exercise of this Warrant held by the Holder and the provisions of this Section 2(e) shall continue to apply. Any increase in the Beneficial Ownership

Limitation will not be effective until the 61st day after such notice is delivered to the Company. The provisions of this paragraph shall be construed and implemented in a manner otherwise than in strict conformity with the terms of this Section 2(e) to correct this paragraph (or any portion hereof) which may be defective or inconsistent with the intended Beneficial Ownership Limitation herein contained or to make changes or supplements necessary or desirable to properly give effect to such limitation. The limitations contained in this paragraph shall apply to a successor holder of this Warrant.

Section 3. Certain Adjustments.

a) Stock Dividends and Splits. If the Company, at any time while this Warrant is outstanding: (i) pays a stock dividend or otherwise makes a distribution or distributions on shares of its Common Stock or any other equity or equity equivalent securities payable in shares of Common Stock (which, for avoidance of doubt, shall not include any shares of Common Stock issued by the Company upon exercise of this Warrant), (ii) subdivides outstanding shares of Common Stock into a larger number of shares, (iii) combines (including by way of reverse stock split) outstanding shares of Common Stock into a smaller number of shares, or (iv) issues by reclassification of shares of the Common Stock any shares of capital stock of the Company, then in each case the Exercise Price shall be multiplied by a fraction of which the numerator shall be the number of shares of Common Stock (excluding treasury shares, if any) outstanding immediately before such event and of which the denominator shall be the number of shares of Common Stock outstanding immediately after such event, and the number of shares issuable upon exercise of this Warrant shall be proportionately adjusted such that the aggregate Exercise Price of this Warrant shall remain unchanged. Any adjustment made pursuant to this Section 3(a) shall become effective immediately after the record date for the determination of stockholders entitled to receive such dividend or distribution and shall become effective immediately after the effective date in the case of a subdivision, combination or re-classification.

b) Subsequent Rights Offerings. In addition to any adjustments pursuant to Section 3(a) above, if at any time the Company grants, issues or sells any Common Stock Equivalents or rights to purchase stock, warrants, securities or other property pro rata to the record holders of any class of shares of Common Stock (the "Purchase Rights"), then the Holder will be entitled to acquire, upon the terms applicable to such Purchase Rights, the aggregate Purchase Rights which the Holder could have acquired if the Holder had held the number of shares of Common Stock acquirable upon complete exercise of this Warrant (without regard to any limitations on exercise hereof, including without limitation, the Beneficial Ownership Limitation) immediately before the date on which a record is taken for the grant, issuance or sale of such Purchase Rights, or, if no such record is taken, the date as of which the record holders of shares of Common Stock are to be determined for the grant, issue or sale of such Purchase Rights (provided, however, to the extent that the Holder's right to participate in any such Purchase Right would result in the Holder exceeding the Beneficial Ownership Limitation, then the Holder shall not be entitled to participate in such Purchase Right to such extent (or beneficial ownership of such shares of Common Stock as a result of such Purchase Right to such extent) and such Purchase Right to such extent shall be held in abeyance for the Holder until such time, if ever, as its right thereto would not result in the Holder exceeding the Beneficial Ownership Limitation).

c) Pro Rata Distributions. During such time as this Warrant is outstanding, if the Company shall declare or make any dividend or other distribution of its assets (or rights to acquire its assets) to holders of shares of Common Stock, by way of return of capital or otherwise (including, without limitation, any distribution of cash, stock or other securities, property or options by way of a dividend, spin off, reclassification, corporate rearrangement, scheme of arrangement or other similar transaction) (a "Distribution"), at any time after the issuance of this Warrant, then, in each such case, the Holder shall be entitled to participate in such Distribution to the same extent that the Holder would have participated therein if the Holder had held the number of shares of Common Stock acquirable upon complete exercise of this Warrant (without regard to any limitations on exercise hereof, including without limitation, the Beneficial Ownership Limitation) immediately before the date of which a record is taken for such Distribution, or, if no such record is taken, the date as of which the record holders of shares of Common Stock are to be determined for the participation in such Distribution (provided, however, to the extent that

the Holder's right to participate in any such Distribution would result in the Holder exceeding the Beneficial Ownership Limitation, then the Holder shall not be entitled to participate in such Distribution to such extent (or in the beneficial ownership of any shares of Common Stock as a result of such Distribution to such extent) and the portion of such Distribution shall be held in abeyance for the benefit of the Holder until such time, if ever, as its right thereto would not result in the Holder exceeding the Beneficial Ownership Limitation).

e) Fundamental Transaction. If, at any time while this Warrant is outstanding, (i) the Company, directly or indirectly, in one or more related transactions effects any merger or consolidation of the Company with or into another Person, (ii) the Company, directly or indirectly, effects any sale, lease, license, assignment, transfer, conveyance or other disposition of all or substantially all of its assets in one or a series of related transactions, (iii) any, direct or indirect, purchase offer, tender offer or exchange offer (whether by the Company or another Person) is completed pursuant to which holders of Common Stock are permitted to sell, tender or exchange their shares for other securities, cash or property and has been accepted by the holders of 50% or more of the outstanding Common Stock, (iv) the Company, directly or indirectly, in one or more related transactions effects any reclassification, reorganization or recapitalization of the Common Stock or any compulsory share exchange pursuant to which the Common Stock is effectively converted into or exchanged for other securities, cash or property, or (v) the Company, directly or indirectly, in one or more related transactions consummates a stock or share purchase agreement or other business combination (including, without limitation, a reorganization, recapitalization, spin-off or scheme of arrangement) with another Person or group of Persons whereby such other Person or group acquires more than 50% of the outstanding shares of Common Stock (not including any shares of Common Stock held by the other Person or other Persons making or party to, or associated or affiliated with the other Persons making or party to, such stock or share purchase agreement or other business combination) (each a "Fundamental Transaction"), then, upon any subsequent exercise of this Warrant, the Holder shall have the right to receive, for each Warrant Share that would have been issuable upon such exercise immediately prior to the occurrence of such Fundamental Transaction, at the option of the Holder (without regard to any limitation in Section 2(e) on the exercise of this Warrant), the number of shares of Common Stock of the successor or acquiring corporation or of the Company, if it is the surviving corporation, and any additional consideration (the "Alternate Consideration") receivable as a result of such Fundamental Transaction by a holder of the number of shares of Common Stock for which this Warrant is exercisable immediately prior to such Fundamental Transaction (without regard to any limitation in Section 2(e) on the exercise of this Warrant). For purposes of any such exercise, the determination of the Exercise Price shall be appropriately adjusted to apply to such Alternate Consideration based on the amount of Alternate Consideration issuable in respect of one share of Common Stock in such Fundamental Transaction, and the Company shall apportion the Exercise Price among the Alternate Consideration in a reasonable manner reflecting the relative value of any different components of the Alternate Consideration. If holders of Common Stock are given any choice as to the securities, cash or property to be received in a Fundamental Transaction, then the Holder shall be given the same choice as to the Alternate Consideration it receives upon any exercise of this Warrant following such Fundamental Transaction. Notwithstanding anything to the contrary, in the event of a Fundamental Transaction, the Company or any Successor Entity (as defined below) shall, at the Holder's option, exercisable at any time concurrently with, or within 30 days after, the consummation of the Fundamental Transaction, purchase this Warrant from the Holder by paying to the Holder an amount of cash equal to the Black Scholes Value of the remaining unexercised portion of this Warrant on the date of the consummation of such Fundamental Transaction. "Black Scholes Value" means the value of this Warrant based on the Black and Scholes Option Pricing Model obtained from the "OV" function on Bloomberg, L.P. ("Bloomberg") determined as of the day of consummation of the applicable Fundamental Transaction for pricing purposes and reflecting (A) a risk-free interest rate corresponding to the U.S. Treasury rate for a period equal to the time between the date of the public announcement of the applicable Fundamental Transaction and the Termination Date, (B) an expected volatility equal to the greater of 100% and the 100 day volatility obtained from the HVT function on Bloomberg as of the Trading Day immediately following the public announcement of the applicable Fundamental Transaction, (C) the underlying price per share used in such calculation shall be the sum of the price per share being offered in cash, if any, plus the value of any non-cash consideration, if any, being offered in such Fundamental Transaction and (D) a remaining option time equal to the time between the date of the public announcement of the applicable Fundamental Transaction and the Termination Date. The payment of the Black Scholes

Value will be made by wire transfer of immediately available funds within five Business Days of the Holder's election (or, if later, on the effective date of the Fundamental Transaction). The Company shall cause any successor entity in a Fundamental Transaction in which the Company is not the survivor (the "Successor Entity") to assume in writing all of the obligations of the Company under this Warrant in accordance with the provisions of this Section 3(d) pursuant to written agreements in form and substance reasonably satisfactory to the Holder and approved by the Holder (without unreasonable delay) prior to such Fundamental Transaction and shall, at the option of the Holder, deliver to the Holder in exchange for this Warrant a security of the Successor Entity evidenced by a written instrument substantially similar in form and substance to this Warrant which is exercisable for a corresponding number of shares of capital stock of such Successor Entity (or its parent entity) equivalent to the shares of Common Stock acquirable and receivable upon exercise of this Warrant (without regard to any limitations on the exercise of this Warrant) prior to such Fundamental Transaction, and with an exercise price which applies the exercise price hereunder to such shares of capital stock (but taking into account the relative value of the shares of Common Stock pursuant to such Fundamental Transaction and the value of such shares of capital stock, such number of shares of capital stock and such exercise price being for the purpose of protecting the economic value of this Warrant immediately prior to the consummation of such Fundamental Transaction), and which is reasonably satisfactory in form and substance to the Holder. Upon the occurrence of any such Fundamental Transaction, the Successor Entity shall succeed to, and be substituted for (so that from and after the date of such Fundamental Transaction, the provisions of this Warrant referring to the "Company" shall refer instead to the Successor Entity), and may exercise every right and power of the Company and shall assume all of the obligations of the Company under this Warrant with the same effect as if such Successor Entity had been named as the Company herein.

d) Calculations. All calculations under this Section 3 shall be made to the nearest cent or the nearest 1/100th of a share, as the case may be. For purposes of this Section 3, the number of shares of Common Stock deemed to be issued and outstanding as of a given date shall be the sum of the number of shares of Common Stock (excluding treasury shares, if any) issued and outstanding.

e) Notice to Holder.

i. Adjustment to Exercise Price. Whenever the Exercise Price is adjusted pursuant to any provision of this Section 3, the Company shall promptly deliver to the Holder by facsimile or email a notice setting forth the Exercise Price after such adjustment and any resulting adjustment to the number of Warrant Shares and setting forth a brief statement of the facts requiring such adjustment.

i i . Notice to Allow Exercise by Holder. If (A) the Company shall declare a dividend (or any other distribution in whatever form) on the Common Stock, (B) the Company shall declare a special nonrecurring cash dividend on or a redemption of the Common Stock, (C) the Company shall authorize the granting to all holders of the Common Stock rights or warrants to subscribe for or purchase any shares of capital stock of any class or of any rights, (D) the approval of any stockholders of the Company shall be required in connection with any reclassification of the Common Stock, any consolidation or merger to which the Company is a party, any sale or transfer of all or substantially all of the assets of the Company, or any compulsory share exchange whereby the Common Stock is converted into other securities, cash or property, or (E) the Company shall authorize the voluntary or involuntary dissolution, liquidation or winding up of the affairs of the Company, then, in each case, the Company shall cause to be delivered by facsimile or email to the Holder at its last facsimile number or email address as it shall appear upon the Warrant Register of the Company, at least 20 calendar days prior to the applicable record or effective date hereinafter specified, a notice stating (x) the date on which a record is to be taken for the purpose of such dividend, distribution, redemption, rights or warrants, or if a record is not to be taken, the date as of which the holders of the Common Stock of record to be entitled to such dividend, distributions, redemption, rights or warrants are to be determined or (y) the date on which such reclassification, consolidation, merger, sale, transfer or share exchange is expected to

become effective or close, and the date as of which it is expected that holders of the Common Stock of record shall be entitled to exchange their shares of the Common Stock for securities, cash or other property deliverable upon such reclassification, consolidation, merger, sale, transfer or share exchange; provided that the failure to deliver such notice or any defect therein or in the delivery thereof shall not affect the validity of the corporate action required to be specified in such notice. To the extent that any notice provided in this Warrant constitutes, or contains, material, non-public information regarding the Company or any of the Subsidiaries, the Company shall simultaneously file such notice with the Commission pursuant to a Current Report on Form 8-K. The Holder shall remain entitled to exercise this Warrant during the period commencing on the date of such notice to the effective date of the event triggering such notice except as may otherwise be expressly set forth herein.

Section 4. Transfer of Warrant.

a) Transferability. This Warrant and all rights hereunder are transferable, in whole or in part, upon surrender of this Warrant at the principal office of the Company or its designated agent, together with a written assignment of this Warrant substantially in the form attached hereto duly executed by the Holder or its agent or attorney and funds sufficient to pay any transfer taxes payable upon the making of such transfer. Upon such surrender and, if required, such payment, the Company shall execute and deliver a new Warrant or Warrants in the name of the assignee or assignees, as applicable, and in the denomination or denominations specified in such instrument of assignment, and shall issue to the assignor a new Warrant evidencing the portion of this Warrant not so assigned, and this Warrant shall promptly be cancelled. Notwithstanding anything herein to the contrary, the Holder shall not be required to physically surrender this Warrant to the Company unless the Holder has assigned this Warrant in full, in which case, the Holder shall surrender this Warrant to the Company within three (3) Trading Days of the date the Holder delivers an assignment form to the Company assigning this Warrant full. The Warrant, if properly assigned in accordance herewith, may be exercised by a new holder for the purchase of Warrant Shares without having a new Warrant issued.

b) New Warrants. If this Warrant is not held in global form through DTC (or any successor depository), this Warrant may be divided or combined with other Warrants upon presentation hereof at the aforesaid office of the Company, together with a written notice specifying the names and denominations in which new Warrants are to be issued, signed by the Holder or its agent or attorney. Subject to compliance with Section 4(a), as to any transfer which may be involved in such division or combination, the Company shall execute and deliver a new Warrant or Warrants in exchange for the Warrant or Warrants to be divided or combined in accordance with such notice. All Warrants issued on transfers or exchanges shall be dated the original Initial Exercise Date of this Warrant and shall be identical with this Warrant except as to the number of Warrant Shares issuable pursuant thereto.

c) Warrant Register. The Warrant Agent shall register this Warrant, upon records to be maintained by the Warrant Agent for that purpose (the "Warrant Register"), in the name of the record Holder hereof from time to time. The Company and the Warrant Agent may deem and treat the registered Holder of this Warrant as the absolute owner hereof for the purpose of any exercise hereof or any distribution to the Holder, and for all other purposes, absent actual notice to the contrary.

Section 5. Miscellaneous.

a) No Rights as Stockholder Until Exercise. This Warrant does not entitle the Holder to any voting rights, dividends or other rights as a stockholder of the Company prior to the exercise hereof as set forth in Section 2(d)(i), except as expressly set forth in Section 3.

b) Loss, Theft, Destruction or Mutilation of Warrant. The Company covenants that upon receipt by the Company of evidence reasonably satisfactory to it of the loss, theft, destruction or mutilation of this Warrant or any stock certificate relating to the Warrant Shares, and in case of loss, theft or destruction, of indemnity or security reasonably satisfactory to it (which, in the case of the Warrant, shall

not include the posting of any bond), and upon surrender and cancellation of such Warrant or stock certificate, if mutilated, the Company will make and deliver a new Warrant or stock certificate of like tenor and dated as of such cancellation, in lieu of such Warrant or stock certificate.

c) Saturdays, Sundays, Holidays, etc. If the last or appointed day for the taking of any action or the expiration of any right required or granted herein shall not be a Business Day, then, such action may be taken or such right may be exercised on the next succeeding Business Day.

d) Authorized Shares.

The Company covenants that, during the period the Warrant is outstanding, it will reserve from its authorized and unissued Common Stock a sufficient number of shares to provide for the issuance of the Warrant Shares upon the exercise of any purchase rights under this Warrant. The Company further covenants that its issuance of this Warrant shall constitute full authority to its officers who are charged with the duty of issuing the necessary Warrant Shares upon the exercise of the purchase rights under this Warrant. The Company will take all such reasonable action as may be necessary to assure that such Warrant Shares may be issued as provided herein without violation of any applicable law or regulation, or of any requirements of the Trading Market upon which the Common Stock may be listed. The Company covenants that all Warrant Shares which may be issued upon the exercise of the purchase rights represented by this Warrant will, upon exercise of the purchase rights represented by this Warrant and payment for such Warrant Shares in accordance herewith, be duly authorized, validly issued, fully paid and nonassessable and free from all taxes, liens and charges created by the Company in respect of the issue thereof (other than taxes in respect of any transfer occurring contemporaneously with such issue).

Except and to the extent as waived or consented to by the Holder, the Company shall not by any action, including, without limitation, amending its certificate of incorporation or through any reorganization, transfer of assets, consolidation, merger, dissolution, issue or sale of securities or any other voluntary action, avoid or seek to avoid the observance or performance of any of the terms of this Warrant, but will at all times in good faith assist in the carrying out of all such terms and in the taking of all such actions as may be necessary or appropriate to protect the rights of Holder as set forth in this Warrant against impairment. Without limiting the generality of the foregoing, the Company will (i) not increase the par value of any Warrant Shares above the amount payable therefor upon such exercise immediately prior to such increase in par value, (ii) take all such action as may be necessary or appropriate in order that the Company may validly and legally issue fully paid and nonassessable Warrant Shares upon the exercise of this Warrant and (iii) use commercially reasonable efforts to obtain all such authorizations, exemptions or consents from any public regulatory body having jurisdiction thereof, as may be, necessary to enable the Company to perform its obligations under this Warrant.

Before taking any action which would result in an adjustment in the number of Warrant Shares for which this Warrant is exercisable or in the Exercise Price, the Company shall obtain all such authorizations or exemptions thereof, or consents thereto, as may be necessary from any public regulatory body or bodies having jurisdiction thereof.

e) Governing Law. All questions concerning the construction, validity, enforcement and interpretation of this Warrant shall be governed by and construed and enforced in accordance with the internal laws of the State of New York, without regard to the principles of conflict of laws thereof. Each party agrees that all legal proceedings concerning the interpretation, enforcement and defense of this Warrant shall be commenced in the state and federal courts sitting in the City of New York, Borough of Manhattan (the "New York Courts"). Each party hereto hereby irrevocably submits to the exclusive jurisdiction of the New York Courts for the adjudication of any dispute hereunder or in connection herewith or with any transaction contemplated hereby or discussed herein (including with respect to the enforcement of any provision hereunder), and hereby irrevocably waives, and agrees not to assert in any suit, action or proceeding, any claim that it is not personally subject to the jurisdiction of such New York

Courts, or such New York Courts are improper or inconvenient venue for such proceeding. Each party hereto hereby irrevocably waives, to the fullest extent permitted by applicable law, any and all right to trial by jury in any legal proceeding arising out of or relating to this Warrant. If any party shall commence an action or proceeding to enforce any provisions of this Warrant, then the prevailing party in such action or proceeding shall be reimbursed by the other party for its attorneys' fees and other costs and expenses incurred in the investigation, preparation and prosecution of such action or proceeding.

f) Restrictions. The Holder acknowledges that the Warrant Shares acquired upon the exercise of this Warrant, if not registered, and the Holder does not utilize cashless exercise, will have restrictions upon resale imposed by state and federal securities laws.

g) Nonwaiver and Expenses. No course of dealing or any delay or failure to exercise any right hereunder on the part of Holder shall operate as a waiver of such right or otherwise prejudice the Holder's rights, powers or remedies. Without limiting any other provision of this Warrant, if the Company willfully and knowingly fails to comply with any provision of this Warrant, which results in any material damages to the Holder, the Company shall pay to the Holder such amounts as shall be sufficient to cover any costs and expenses including, but not limited to, reasonable attorneys' fees, including those of appellate proceedings, incurred by the Holder in collecting any amounts due pursuant hereto or in otherwise enforcing any of its rights, powers or remedies hereunder.

h) Notices. Any and all notices or other communications or deliveries to be provided by the Holders hereunder including, without limitation, any Notice of Exercise, shall be in writing and delivered personally, by facsimile or by e-mail, or sent by a nationally recognized overnight courier service, addressed to the Company, at 6622 Southpoint Drive South, Suite 310 Jacksonville, Florida 32216, Attention:[●], facsimile number: ([●]) [●]-[●], email address: [●], or such other facsimile number, email address or address as the Company may specify for such purposes by notice to the Holders. Any and all notices or other communications or deliveries to be provided by the Company hereunder shall be in writing and delivered personally, by facsimile, or sent by a nationally recognized overnight courier service addressed to each Holder at the facsimile number or address of such Holder appearing on the books of the Warrant Agent. Any notice or other communication or deliveries hereunder shall be deemed given and effective on the earliest of (i) the date of transmission, if such notice or communication is delivered via facsimile at the facsimile number or e-mail at the e-mail address set forth in this Section prior to 5:30 p.m. (New York City time) on any date, (ii) the next Trading Day after the date of transmission, if such notice or communication is delivered via facsimile at the facsimile number or e-mail at the e-mail address set forth in this Section on a day that is not a Trading Day or later than 5:30 p.m. (New York City time) on any Trading Day, (iii) the second Trading Day following the date of mailing, if sent by U.S. nationally recognized overnight courier service, or (iv) upon actual receipt by the party to whom such notice is required to be given. Notwithstanding any other provision of this Warrant, where this Warrant provides for notice of any event to the Holder, if this Warrant is held in global form by DTC (or any successor depositary), such notice shall be sufficiently given if given to DTC (or any successor depositary) pursuant to the procedures of DTC (or such successor depositary), subject to a Holder's right to elect to receive a Warrant in certificated form pursuant to the terms of the Warrant Agency Agreement, in which case this sentence shall not apply.

i) Warrant Agency Agreement. If this Warrant is held in global form through DTC (or any successor depositary), this Warrant is issued subject to the Warrant Agency Agreement. To the extent any provision of this Warrant conflicts with the express provisions of the Warrant Agency Agreement, the provisions of this Warrant shall govern and be controlling.

j) Limitation of Liability. No provision hereof, in the absence of any affirmative action by the Holder to exercise this Warrant to purchase Warrant Shares, and no enumeration herein of the rights or privileges of the Holder, shall give rise to any liability of the Holder for the purchase price of any Common Stock or as a stockholder of the Company, whether such liability is asserted by the Company or by creditors of the Company.

k) Remedies. The Holder, in addition to being entitled to exercise all rights granted by law, including recovery of damages, will be entitled to specific performance of its rights under this Warrant. The Company agrees that monetary damages would not be adequate compensation for any loss incurred by reason of a breach by it of the provisions of this Warrant and hereby agrees to waive and not to assert the defense in any action for specific performance that a remedy at law would be adequate.

l) Successors and Assigns. Subject to applicable securities laws, this Warrant and the rights and obligations evidenced hereby shall inure to the benefit of and be binding upon the successors and permitted assigns of the Company and the successors and permitted assigns of Holder. The provisions of this Warrant are intended to be for the benefit of any Holder from time to time of this Warrant and shall be enforceable by the Holder or holder of Warrant Shares.

m) Amendment. This Warrant may be modified or amended or the provisions hereof waived with the written consent of the Company, on the one hand, and the Holder or the beneficial owner of this Warrant, on the other hand.

n) Severability. Wherever possible, each provision of this Warrant shall be interpreted in such manner as to be effective and valid under applicable law, but if any provision of this Warrant shall be prohibited by or invalid under applicable law, such provision shall be ineffective to the extent of such prohibition or invalidity, without invalidating the remainder of such provisions or the remaining provisions of this Warrant.

o) Headings. The headings used in this Warrant are for the convenience of reference only and shall not, for any purpose, be deemed a part of this Warrant.

****

(Signature Page Follows)

IN WITNESS WHEREOF, the Company has caused this Warrant to be executed by its officer thereunto duly authorized as of the date first above indicated.

DUOS TECHNOLOGIES GROUP, INC.

By: _____
Name:
Title:

NOTICE OF EXERCISE

TO: DUOS TECHNOLOGIES GROUP, INC.

(1) The undersigned hereby elects to purchase _____ Warrant Shares of the Company pursuant to the terms of the attached Warrant (only if exercised in full), and tenders herewith payment of the exercise price in full, together with all applicable transfer taxes, if any.

(2) Payment shall take the form of (check applicable box):

☐ in lawful money of the United States; or

☐ if permitted the cancellation of such number of Warrant Shares as is necessary, in accordance with the formula set forth in subsection 2(c), to exercise this Warrant with respect to the maximum number of Warrant Shares purchasable pursuant to the cashless exercise procedure set forth in subsection 2(c).

(3) Please issue said Warrant Shares in the name of the undersigned or in such other name as is specified below:

_____

The Warrant Shares shall be delivered to the following DWAC Account Number:

_____

_____

_____

[SIGNATURE OF HOLDER]

Name of Investing Entity: _____

Signature of Authorized Signatory of Investing Entity: _____

Name of Authorized Signatory: _____

Title of Authorized Signatory: _____

Date: _____

_____

EXHIBIT B

ASSIGNMENT FORM

(To assign the foregoing Warrant, execute this form and supply required information. Do not use this form to purchase shares.)

FOR VALUE RECEIVED, the foregoing Warrant and all rights evidenced thereby are hereby assigned to

Name: _____
(Please Print)

Address: _____
(Please Print)

Phone Number: _____

Email Address: _____

Dated: _____ __, _____

Holder's Signature: _____

Holder's Address: _____

EXHIBIT 10.10

WARRANT AGENT AGREEMENT

THIS WARRANT AGENT AGREEMENT (this "Warrant Agreement") dated as of July ____, 2017 (the "Issuance Date") between Duos Technologies Group, Inc., a company incorporated under the laws of the State of Florida (the "Company"), and Pacific Stock Transfer (the "Warrant Agent").

WHEREAS, pursuant to the terms of that certain Underwriting Agreement ("Underwriting Agreement"), dated July ___, 2017, by and among the Company and Joseph Gunnar & Co., LLC, as representative of the underwriters set forth therein, the Company is engaged in a public offering (the "Offering") of up to 2,195,600 shares (the "Shares") of common stock, par value $0.001 per share (the "Common Stock") of the Company and up to 2,195,600 Warrants (the "Warrants") to purchase shares of Common Stock (the "Warrant Shares"), including Shares and Warrants issuable pursuant to the underwriters' over-allotment option;

WHEREAS, the Company has filed with the Securities and Exchange Commission (the "Commission") a Registration Statement, No. 333-215652, on Form S-1 (as the same may be amended from time to time, the "Registration Statement"), for the registration under the Securities Act of 1933, as amended (the "Securities Act"), of the Shares, Warrants and Warrant Shares, and such Registration Statement was declared effective on _____, 2017;

WHEREAS, the Company desires the Warrant Agent to act on behalf of the Company, and the Warrant Agent is willing to so act, in accordance with the terms set forth in this Warrant Agreement in connection with the issuance, registration, transfer, exchange and exercise of the Warrants;

WHEREAS, the Company desires to provide for the provisions of the Warrants, the terms upon which they shall be issued and exercised, and the respective rights, limitation of rights, and immunities of the Company, the Warrant Agent, and the holders of the Warrants; and

WHEREAS, all acts and things have been done and performed which are necessary to make the Warrants the valid, binding and legal obligations of the Company, and to authorize the execution and delivery of this Warrant Agreement.

NOW, THEREFORE, in consideration of the mutual agreements herein contained, the parties hereto agree as follows:

1. Appointment of Warrant Agent. The Company hereby appoints the Warrant Agent to act as agent for the Company with respect to the Warrants, and the Warrant Agent hereby accepts such appointment and agrees to perform the same in accordance with the express terms and conditions set forth in this Warrant Agreement (and no implied terms or conditions).

2. Warrants.

2.1 Form of Warrants. The Warrants shall be registered securities and may be initially evidenced by a global certificate ("Global Certificate") in the form of Annex A to this Warrant Agreement, which shall be deposited on behalf of the Company with a custodian for The Depository Trust Company ("DTC") and registered in the name of Cede & Co., a nominee of DTC. If DTC subsequently ceases to make its book-entry settlement system available for the Warrants, the Company may instruct the Warrant Agent regarding making other arrangements for book-entry settlement. In the event that the Warrants are not eligible for, or it is no longer necessary to have the Warrants available in, book-entry form, the Company may instruct the Warrant Agent to provide written instructions to DTC to deliver to the Warrant Agent for cancellation the Global Certificate, and the Company shall instruct the Warrant Agent to deliver to DTC separate certificates evidencing Warrants ("Definitive Certificates" and, together with the Global Certificate, "Warrant Certificates") registered as requested through the DTC system.

2.2. Issuance and Registration of Warrants.

2.2.1. Warrant Register. The Warrant Agent shall maintain books ("Warrant Register") for the registration of original issuance and the registration of transfer of the Warrants.

2.2.2. Issuance of Warrants. Upon the initial issuance of the Warrants, the Warrant Agent may issue the Global Certificate or deliver the Warrants in the DTC book-entry settlement system in accordance with written instructions delivered to the Warrant Agent by the Company. Ownership of security entitlements in the Warrants shall be shown on, and the transfer of such ownership shall be effected through, records maintained (i) by DTC and (ii) by institutions that have accounts with DTC (each, a "Participant").

2.2.3. Beneficial Owner; Holder. Prior to due presentment for registration of transfer of any Warrant, the Company and the Warrant Agent may deem and treat the person in whose name that Warrant shall be registered on the Warrant Register (the "Holder") as the absolute owner of such Warrant for purposes of any exercise thereof, and for all other purposes, and neither the Company nor the Warrant Agent shall be affected by any notice to the contrary. Notwithstanding the foregoing, nothing herein shall prevent the Company, the Warrant Agent or any agent of the Company or the Warrant Agent from giving effect to any written certification, proxy or other authorization furnished by DTC governing the exercise of the rights of a holder of a beneficial interest in any Warrant. The rights of beneficial owners in a Warrant evidenced by the Global Certificate shall be exercised by the Holder or a Participant through the DTC system, except to the extent set forth herein or in the Global Certificate.

2.2.4. Execution. The Warrant Certificates shall be executed on behalf of the Company by any authorized officer of the Company (an "Authorized Officer"), which need not be the same authorized signatory for all of the Warrant Certificates, either manually or by facsimile signature. The Warrant Certificates shall be countersigned by an authorized signatory of the Warrant Agent, which need not be the same signatory for all of the Warrant Certificates, and no Warrant Certificate shall be valid for any purpose unless so countersigned. In case any Authorized Officer of the Company that signed any of the Warrant Certificates ceases to be an Authorized Officer of the Company before countersignature by the Warrant Agent and issuance and delivery by the Company, such Warrant Certificates, nevertheless, may be countersigned by the Warrant Agent, issued and delivered with the same force and effect as though the person who signed such Warrant Certificates had not ceased to be such officer of the Company; and any Warrant Certificate may be signed on behalf of the Company by any person who, at the actual date of the execution of such Warrant Certificate, shall be an Authorized Officer of the Company authorized to sign such Warrant Certificate, although at the date of the execution of this Warrant Agreement any such person was not such an Authorized Officer.

2.2.5. Registration of Transfer. At any time at or prior to the Expiration Date (as defined below), a transfer of any Warrants may be registered and any Warrant Certificate or Warrant Certificates may be split up, combined or exchanged for another Warrant Certificate or Warrant Certificates evidencing the same number of Warrants as the Warrant Certificate or Warrant Certificates surrendered. Any Holder desiring to register the transfer of Warrants or to split up, combine or exchange any Warrant Certificate shall make such request in writing delivered to the Warrant Agent, and shall surrender to the Warrant Agent the Warrant Certificate or Warrant Certificates evidencing the Warrants the transfer of which is to be registered or that is or are to be split up, combined or exchanged and, in the case of registration of transfer, shall provide a signature guarantee. Thereupon, the Warrant Agent shall countersign and deliver to the person entitled thereto a Warrant Certificate or Warrant Certificates, as the case may be, as so requested. The Company and the Warrant Agent may require payment, by the Holder requesting a registration of transfer of Warrants or a split-up, combination or exchange of a Warrant Certificate (but, for purposes of clarity, not upon the exercise of the Warrants and issuance of Warrant Shares to the Holder), of a sum sufficient to cover any tax or governmental charge that may be imposed in connection with such registration of transfer, split-up, combination or exchange, together with reimbursement to the Company and the Warrant Agent of all reasonable expenses incidental thereto.

2.2.6. Loss, Theft and Mutilation of Warrant Certificates. Upon receipt by the Company and the Warrant Agent of evidence reasonably satisfactory to them of the loss, theft, destruction or mutilation of a Warrant Certificate, and, in case of loss, theft or destruction, of indemnity or security in customary form and amount, and reimbursement to the Company and the Warrant Agent of all reasonable expenses incidental thereto, and upon surrender to the Warrant Agent and cancellation of the Warrant Certificate if mutilated, the Warrant Agent shall, on behalf of the Company,

countersign and deliver a new Warrant Certificate of like tenor to the Holder in lieu of the Warrant Certificate so lost, stolen, destroyed or mutilated. The Warrant Agent may charge the Holder an administrative fee for processing the replacement of lost Warrant Certificates, which shall be charged only once in instances where a single surety bond obtained covers multiple certificates. The Warrant Agent may receive compensation from the surety companies or surety agents for administrative services provided to them.

2.2.7. Proxies. The Holder of a Warrant may grant proxies or otherwise authorize any person, including the Participants and beneficial holders that may own interests through the Participants, to take any action that a Holder is entitled to take under this Agreement or the Warrants; provided, however, that at all times that Warrants are evidenced by a Global Certificate, exercise of those Warrants shall be effected on their behalf by Participants through DTC in accordance the procedures administered by DTC.

3. Terms and Exercise of Warrants.

3.1. Exercise Price. Each Warrant shall entitle the Holder, subject to the provisions of the applicable Warrant Certificate and of this Warrant Agreement, to purchase from the Company the number of shares of Common Stock stated therein, at the price of $____ per whole share, subject to the subsequent adjustments provided in Section 4 hereof. The term "Exercise Price" as used in this Warrant Agreement refers to the price per share at which shares of Common Stock may be purchased at the time a Warrant is exercised.

3.2. Duration of Warrants. Warrants may be exercised only during the period ("Exercise Period") commencing on the Issuance Date and terminating at 5:00 P.M., New York City time (the "close of business") on _____, 2022 ("Expiration Date"). Each Warrant not exercised on or before the Expiration Date shall become void, and all rights thereunder and all rights in respect thereof under this Warrant Agreement shall cease at the close of business on the Expiration Date.

3.3. Exercise of Warrants.

3.3.1. Exercise and Payment.

(a) Subject to the provisions of this Warrant Agreement, a Holder (or a Participant acting on behalf of a Holder in accordance with DTC procedures) may exercise Warrants by delivering to the Warrant Agent, (i) not later than 5:00 P.M., New York City time, on any business day during the Exercise Period (such date, the "Date of Exercise"), an election to purchase the Warrant Shares underlying the Warrants to be exercised (A) in the form included in Annex B to this Warrant Agreement or (B) via an electronic warrant exercise through the DTC system (each, an "Election to Purchase") (ii) within one (1) business day the Date of Exercise, Warrants to be exercised by (A) surrender of the Warrant Certificate evidencing the Warrants to the Warrant Agent at its office designated for such purpose or (B) delivery of the Warrants to an account of the Warrant Agent at DTC designated for such purpose in writing by the Warrant Agent to DTC from time to time, and ϵ iii) within one (1) business day of the Date of Exercise, the Deposit Amount for each Warrant to be exercised (and, if applicable, any taxes or charges due in connection with the exercise of such Warrants), in lawful money of the United States of America by (A) certified or official bank check payable to _____[Company or Pacific Stock Transfer] (B) bank wire transfer in immediately available funds to:

[Company or Pacific Stock Transfer]

_____
_____
_____
_____

(b) Any person so designated by the Holder to receive Warrant Shares shall be deemed to have become holder of record of such Warrant Shares as of the time that the Holder shall have delivered to the Warrant Agent (or instructed its a Participant acting on behalf of a Holder in accordance with DTC procedures) an appropriately completed and duly signed form of Election to Purchase; provided that the Holder delivers the Deposit Amount by the date that is one (1) Trading Day after the Date of Exercise. If the Holder delivers a Form of Election to Purchase but fails, within one Trading Day after the Date of Exercise, to deliver the Aggregate Exercise Price, then the Holder

shall only be deemed to be the holder of record of the Warrant Shares upon delivery of the Aggregate Exercise Price, so long as such Aggregate Exercise Price is delivered within three (3) Trading Days of the Date of Exercise. If the Warrants are received or deemed to be received after the Expiration Date, the exercise thereof will be null and void and any funds delivered to the Company will be returned to the Holder or Participant, as the case may be, as soon as practicable. In no event will interest accrue on any funds deposited with the Company in respect of an exercise or attempted exercise of Warrants.

(c) If less than all the Warrants evidenced by a surrendered Warrant Certificate are exercised, the Warrant Agent shall split up the surrendered Warrant Certificate and return to the Holder a Warrant Certificate evidencing the Warrants that were not exercised.

3.3.2. Issuance of Warrant Shares.

(a) The Warrant Agent shall, by 11:00 a.m., New York City time, on the Trading Day following the Date of Exercise of any Warrant, advise the Company, the transfer agent and registrar for the Company's Common Stock, in respect of (i) the number of Warrant Shares indicated on the Election to Purchase as issuable upon such exercise with respect to such exercised Warrants, (ii) the instructions of the Holder or Participant, as the case may be, provided to the Warrant Agent with respect to the delivery of the Warrant Shares and the number of Warrants that remain outstanding after such exercise and (iii) such other information as the Company or such transfer agent and registrar shall reasonably request.

(b) The Company shall, by no later than 5:00 P.M., New York City time, on the third Trading Day following the Date of Exercise of any Warrant and the clearance of the funds in payment of the Exercise Price (such date and time, the "Delivery Time"), cause its registrar to electronically transmit the Warrant Shares issuable upon that exercise to DTC by crediting the account of DTC or of the Participant, as the case may be, through its Deposit Withdrawal Agent Commission system.

3.3.3. Valid Issuance. All Warrant Shares issued by the Company upon the proper exercise of a Warrant in conformity with this Warrant Agreement shall be validly issued, fully paid and non-assessable.

3.3.4. No Fractional Exercise. No fractional Warrant Shares will be issued upon the exercise of the Warrant. If, by reason of any adjustment made pursuant to Section 4, a Holder would be entitled, upon the exercise of such Warrant, to receive a fractional interest in a share, the Company shall, upon such exercise, round up or down, as applicable, to the nearest whole number the number of Warrant Shares to be issued to such Holder.

3.3.5 No Transfer Taxes . The Company shall not be required to pay any stamp or other tax or governmental charge required to be paid in connection with any transfer involved in the issue of the Warrant Shares upon the exercise of Warrants; and in the event that any such transfer is involved, the Company shall not be required to issue or deliver any Warrant Shares until such tax or other charge shall have been paid or it has been established to the Company's satisfaction that no such tax or other charge is due.

3.3.6 Date of Issuance. The Company will treat an exercising Holder as a beneficial owner of the Warrant Shares as of the Date of Exercise, except that, if the Date of Exercise is a date when the stock transfer books of the Company are closed, such person shall be deemed to have become the holder of such shares at the open of business on the next succeeding date on which the stock transfer books are open.

3.3.7 Restrictive Legend Events; Cashless Exercise Under Certain Circumstances.

(i) The Company shall use it reasonable best efforts to maintain the effectiveness of the Registration Statement and the current status of the prospectus included therein or to file and maintain the effectiveness of another registration statement and another current prospectus covering the Warrants and the Warrant Shares at any time that the Warrants are exercisable. The Company shall provide to the Warrant Agent and each Holder prompt written notice of any time that the Company is unable to deliver the Warrant Shares via DTC transfer or otherwise without restrictive legend because (A) the Commission has issued a stop order with respect to the Registration Statement, (B) the Commission otherwise has suspended or withdrawn the effectiveness of the Registration Statement, either temporarily or permanently, (C) the Company has suspended or withdrawn the effectiveness of the Registration

Statement, either temporarily or permanently, (D) the prospectus contained in the Registration Statement is not available for the issuance of the Warrant Shares to the Holder or (E) otherwise (each a "Restrictive Legend Event"). To the extent that the Warrants cannot be exercised as a result of a Restrictive Legend Event or a Restrictive Legend Event occurs after a Holder has exercised Warrants in accordance with the terms of the Warrants but prior to the delivery of the Warrant Shares, the Company shall, at the election of the Holder, which shall be given within five (5) days of receipt of such notice of the Restrictive Legend Event, either (A) rescind the previously submitted Election to Purchase and the Company shall return all consideration paid by registered holder for such shares upon such rescission or (B) treat the attempted exercise as a cashless exercise as described in paragraph (ii) below and refund the cash portion of the exercise price to the Holder.

(ii) If a Restrictive Legend Event has occurred, the Warrant shall only be exercisable on a cashless basis. Notwithstanding anything herein to the contrary, the Company shall not be required to make any cash payments or net cash settlement to the Holder in lieu of delivery of the Warrant Shares. Upon a "cashless exercise", the Holder shall be entitled to receive the number of Warrant Shares equal to the quotient obtained by dividing (A-B) (X) by (A), where:

(A) = the last VWAP immediately preceding the Date of Exercise giving rise to the applicable "cashless exercise", as set forth in the applicable Election to Purchase (to clarify, the "last VWAP" will be the last VWAP as calculated over an entire Trading Day such that, in the event that this Warrant is exercised at a time that the Trading Market is open, the prior Trading Day's VWAP shall be used in this calculation

(B) = the Exercise Price of the Warrant, as adjusted as set forth herein; and

(X) = the number of Warrant Shares that would be issuable upon exercise of the Warrant in accordance with the terms of the Warrant if such exercise were by means of a cash exercise rather than a cashless exercise.

If the Warrant Shares are issued in such a cashless exercise, the Company acknowledges and agrees that, in accordance with Section 3(a)(9) of the Securities Act, the Warrant Shares shall take on the registered characteristics of the Warrants being exercised and the Company agrees not to take any position contrary thereto. Upon receipt of an Election to Purchase for a cashless exercise, the Warrant Agent will promptly deliver a copy of the Election to Purchase to the Company to confirm the number of Warrant Shares issuable in connection with the cashless exercise. The Company shall calculate and transmit to the Warrant Agent in a written notice, and the Warrant Agent shall have no duty, responsibility or obligation under this section to calculate, the number of Warrant Shares issuable in connection with any cashless exercise. The Warrant Agent shall be entitled to rely conclusively on any such written notice provided by the Company, and the Warrant Agent shall not be liable for any action taken, suffered or omitted to be taken by it in accordance with such written instructions or pursuant to this Warrant Agreement.

3.3.8 Disputes. In the case of a dispute as to the determination of the Exercise Price or the arithmetic calculation of the number of Warrant Shares issuable in connection with any exercise, the Company shall promptly deliver to the Holder the number of Warrant Shares that are not disputed.

3.3.9 Compensation for Buy-In on Failure to Timely Deliver Warrant Shares Upon Exercise. In addition to any other rights available to the Holder, if the Company fails to cause the Warrant Agent to deliver the Warrant Shares to the Holder pursuant to Section 3.3.2 on or before 5:00 p.m. (New York City time) on or before the Delivery Time, and if after such date the beneficial owner is required by its broker to purchase (in an open market transaction or otherwise) or the beneficial owner's brokerage firm otherwise purchases, Warrant Shares to deliver in satisfaction of a sale by the beneficial owner of the Warrant Shares, which the beneficial owner anticipated receiving upon such exercise (a "Buy-In"), then the Company shall (A) pay in cash to the Holder the amount, if any, by which (x) the beneficial owner's total purchase price (including brokerage commissions, if any) for the Warrant Shares so purchased exceeds (y) the amount obtained by multiplying (1) the number of Warrant Shares that the Company was required to deliver to the Holder in connection with the exercise at issue times (2) the price at which the sell order giving rise to such purchase obligation was executed, and (B) at the option of the Holder, either reinstate the portion of the Warrant and equivalent number of Warrant Shares, for which such exercise was not honored (in which case such exercise shall be deemed rescinded) or deliver to the Holder the number of Warrant Shares, that would have

been issued had the Company timely complied with its delivery obligations. For example, if the beneficial owner purchases Common Stock having a total purchase price of $11,000 to cover a Buy-In with respect to an attempted exercise of Warrant Shares with an aggregate sale price giving rise to such purchase obligation of $10,000, under clause (A) of the immediately preceding sentence, the Company shall be required to pay the Holder $1,000 for the benefit of the beneficial owner. The Holder shall provide the Company written notice indicating the amounts payable to the Holder in respect of the Buy-In and, upon request of the Company, evidence of the amount of such loss. Nothing herein shall limit right of a Holder to pursue any other remedies available to it hereunder, at law or in equity including, without limitation, a decree of specific performance and/or injunctive relief with respect to the Company's failure to timely deliver Warrant Shares upon exercise of Warrants as required pursuant to the terms of this Warrant Agreement.

3.3.10 Beneficial Ownership Limitation. A Holder shall not have the right to exercise any Warrants to the extent that after giving effect to the issuance of Warrant Shares after exercise as set forth on the applicable Election to Purchase, such Holder or a person holding through such Holder (together with such Holder's or person's Affiliates (as defined in Rule 405 under the Securities Act), and any other persons acting as a group together with that Holder or person or any of that Holder's or person's Affiliates), would beneficially own in excess of 4.99% ("Beneficial Ownership Limitation") of the Company's Common Stock. For purposes of the foregoing sentence, the number of shares of Common Stock beneficially owned by a person shall include the number of Warrant Shares that would be owned by that person issuable upon exercise of the Warrants with respect to which such determination is being made, but shall exclude the number of shares of Common Stock (i) which would be issuable upon exercise of the remaining, non-exercised Warrants beneficially owned by that person or any of its Affiliates and (ii) underlying any other securities of the Company held by such Holder or its Affiliates that are exercisable or convertible into Common Stock and subject to a limitation on conversion or exercise that is analogous to the limitation contained in this Section 3.3.10. Except as set forth in the preceding sentence, for purposes of this Section 3.3.10, beneficial ownership shall be calculated in accordance with Section 13(d) of the Securities Exchange Act of 1934, as amended (the "Exchange Act") and the rules and regulations promulgated thereunder, it being acknowledged by the Holder that neither the Warrant Agent nor the Company is representing to the Holder that such calculation is in compliance with Section 13(d) of the Exchange Act and the Holder or beneficial owner is solely responsible for any schedules required to be filed in accordance therewith. To the extent that the limitation contained in this Section 3.3.10 applies, the determination of whether a Warrant is exercisable and of the number of Warrants that are exercisable shall be in the sole discretion of the Holder, and the submission of an Election to Purchase shall be deemed to be the Holder's determination of whether such Warrant is exercisable and of the number of Warrants that are exercisable, and neither the Warrant Agent nor the Company shall have any obligation to verify or confirm the accuracy of such determination and neither of them shall have any liability for any error made by the Holder or any other person. In addition, a determination as to any group status as contemplated above shall be determined in accordance with Section 13(d) of the Exchange Act and the rules and regulations promulgated thereunder. For purposes of this Section 3.3.10, in determining the number of outstanding shares of Common Stock, a Holder or other person may rely on the number of outstanding shares of Common Stock as reflected in (A) the Company's most recent periodic or annual report filed with the Securities and Exchange Commission, as the case may be, (B) a more recent public announcement by the Company or (C) a more recent written notice by the Company or the Company's transfer agent setting forth the number of shares of Common Stock outstanding. For any reason at any time, upon the written or oral request of a person that represents that it is or is acting on behalf of a Holder, the Company shall, within two (2) Trading Days, confirm orally or in writing or by e-mail to that person the number of shares of Common Stock then outstanding. Upon delivery of a written notice to the Company, the Holder may from time to time increase or decrease the Beneficial Ownership Limitation to any other percentage not in excess of 9.99% as specified in such notice, provided that any increase in the Beneficial Ownership Limitation will not be effective until the sixty-first (61^{st}) day after such notice is delivered to the Company and any such increase or decrease will apply only to the Holder and its Affiliates and not to any other holder of Warrants. The provisions of this Section 3.3.10 shall be construed and implemented in a manner otherwise than in strict conformity with the terms of this Section 3.3.10 to correct this subsection (or any portion hereof) which may be defective or inconsistent with the intended beneficial ownership limitation herein contained.

4. Adjustments.

4.1 Adjustment upon Subdivisions or Combinations. If the Company at any time after the Issuance Date subdivides (by any stock split, stock dividend, recapitalization, reorganization, scheme, arrangement or otherwise) its outstanding shares of Common Stock into a greater number of shares, the Exercise Price in effect immediately prior to such subdivision will be proportionately reduced and the number of Warrant Shares will be proportionately increased. If the Company at any time after the Issuance Date combines (by any stock split, stock dividend, recapitalization, reorganization, scheme, arrangement or otherwise) its outstanding shares of Common Stock into a smaller number of shares, the Exercise Price in effect immediately prior to such combination will be proportionately increased and the number of Warrant Shares will be proportionately decreased. Any adjustment under this Section 4.1 shall become effective at the close of business on the date the subdivision or combination becomes effective. The Company shall promptly notify Warrant Agent of any such adjustment and give specific instructions to Warrant Agent with respect to any adjustments to the warrant register.

4.2 Adjustment for Other Distributions. In the event the Company shall fix a record date for the making of a dividend or distribution to all holders of Common Stock of any evidences of indebtedness or assets or subscription rights, options or warrants (excluding those referred to in Section 4.1 or other dividends paid out of retained earnings), then in each such case the Holder will, upon the exercise of Warrants, be entitled to receive, in addition to the number of Warrant Shares issuable thereupon, and without payment of any additional consideration therefor, the amount of such dividend or distribution, as applicable, which such Holder would have held on the date of such exercise had such Holder been the holder of record of such Warrant Shares as of the date on which holders of Common Stock became entitled to receive such dividend or distribution. Such adjustment shall be made whenever any such distribution is made and shall become effective immediately after the record date mentioned above.

4.3. Reclassification, Consolidation, Purchase, Combination, Sale or Conveyance. If, at any time while the Warrants are outstanding, (i) the Company, directly or indirectly, in one or more related transactions effects any merger or consolidation of the Company with or into another person, (ii) the Company, directly or indirectly, effects any sale, lease, license, assignment, transfer, conveyance or other disposition of all or substantially all of its assets in one or a series of related transactions, (iii) any, direct or indirect, purchase offer, tender offer or exchange offer (whether by the Company or another person) is completed pursuant to which holders of Common Stock are permitted to sell, tender or exchange their shares for other securities, cash or property and has been accepted by the holders of 50% or more of the outstanding Common Stock (not including any Common Stock held by the other person or other persons making or party to, or associated or affiliated with the other persons making, such purchase offer, tender offer or exchange offer), (iv) the Company, directly or indirectly, in one or more related transactions effects any reclassification, reorganization or recapitalization of the Common Stock or any compulsory share exchange pursuant to which the Common Stock is effectively converted into or exchanged for other securities, cash or property, or (v) the Company, directly or indirectly, in one or more related transactions consummates a stock or share purchase agreement or other business combination (including, without limitation, a reorganization, recapitalization, spin-off or scheme of arrangement) with another person whereby such other person acquires more than 50% of the outstanding shares of Common Stock (not including any shares of Common Stock held by the other person or other persons making or party to, or associated or affiliated with the other persons making or party to, such stock or share purchase agreement or other business combination) (each a "**Fundamental Transaction**"), then, upon any subsequent exercise of a Warrant, each Holder shall have the right to receive, for each Warrant Share that would have been issuable upon such exercise immediately prior to the occurrence of such Fundamental Transaction (without regard to any limitation in Section 3.3.10 on the exercise of the Warrants), the same amount and kind of securities, cash or property, if any, of the successor or acquiring corporation or of the Company, if it is the surviving corporation, and any additional consideration (the "**Alternate Consideration**") receivable as a result of such Fundamental Transaction by a holder of the number of shares of Common Stock for which each Warrant is exercisable immediately prior to such Fundamental Transaction (without regard to any limitation in Section 3.3.10 on the exercise of the Warrants). For purposes of any such exercise, the determination of the Exercise Price shall be appropriately adjusted to apply to such Alternate Consideration based on the amount of Alternate Consideration issuable in respect of one share of Common Stock in such Fundamental Transaction, and the Company shall apportion the Exercise Price among the Alternate Consideration in a reasonable manner reflecting the relative value of any different components of the Alternate Consideration. If holders of Common Stock are given any choice as to the securities, cash or property to be received in a Fundamental Transaction, then the Holder shall be given the same choice as to the Alternate Consideration that such Holder receives upon any exercise of each Warrant following such

Fundamental Transaction. The Company shall cause any successor entity in a Fundamental Transaction in which the Company is not the survivor (the "**Successor Entity**") and for which stockholders received any equity securities of the Successor Entity and for which stockholders received any equity securities of the Successor Entity, to assume in writing all of the obligations of the Company under this Warrant Agreement in accordance with the provisions of this Section 4.3 pursuant to written agreements and shall, upon the written request of such Holder, deliver to such Holder in exchange for the applicable Warrants created by this Warrant Agreement a security of the Successor Entity evidenced by a written instrument substantially similar in form and substance to the Warrants which are exercisable for a corresponding number of shares of capital stock of such Successor Entity (or its parent entity), if any, plus any Alternate Consideration, receivable as a result of such Fundamental Transaction by a holder of the number of shares of Common Stock for which the Warrants are exercisable immediately prior to such Fundamental Transaction, and with an exercise price which applies the Exercise Price hereunder to such shares of capital stock, if any, plus any Alternate Consideration (but taking into account the relative value of the shares of Common Stock pursuant to such Fundamental Transaction and the value of such shares of capital stock plus Alternative Consideration after that Fundamental Transaction for the purpose of protecting the economic value of such Warrant immediately prior to the consummation of such Fundamental Transaction). Upon the occurrence of any such Fundamental Transaction the Successor Entity shall succeed to, and be substituted for (so that from and after the date of such Fundamental Transaction, the provisions of this Warrant Agreement and the Warrants referring to the "Company" shall refer instead to the Successor Entity), and may exercise every right and power of the Company and shall assume all of the obligations of the Company under this Warrant Agreement and the Warrants with the same effect as if such Successor Entity had been named as the Company herein and therein.

The Company shall instruct the Warrant Agent in writing to mail by first class mail, postage prepaid, to each Holder, written notice of the execution of any such amendment, supplement or agreement with the Successor Entity. Any supplemented or amended agreement entered into by the successor corporation or transferee shall provide for adjustments, which shall be as nearly equivalent as may be practicable to the adjustments provided for in this Section 4.3. The Warrant Agent shall have no duty, responsibility or obligation to determine the correctness of any provisions contained in such agreement or such notice, including but not limited to any provisions relating either to the kind or amount of securities or other property receivable upon exercise of warrants or with respect to the method employed and provided therein for any adjustments, and shall be entitled to rely conclusively for all purposes upon the provisions contained in any such agreement. The provisions of this Section 4.3 shall similarly apply to successive reclassifications, changes, consolidations, mergers, sales and conveyances of the kind described above.

4.4. [RESERVED].

4.5 Other Events. If any event occurs of the type contemplated by the provisions of Section 4.1 or 4.2 but not expressly provided for by such provisions (including, without limitation, the granting of stock appreciation rights, Adjustment Rights, phantom stock rights or other rights with equity features to all holders of Common Stock for no consideration), then the Company's Board of Directors will, at its discretion and in good faith, make an adjustment in the Exercise Price and the number of Warrant Shares or designate such additional consideration to be deemed issuable upon exercise of a Warrant, so as to protect the rights of the registered Holder. No adjustment to the Exercise Price will be made pursuant to more than one sub-section of this Section 4 in connection with a single issuance.

4.6. Notices of Changes in Warrant. Upon every adjustment of the Exercise Price or the number of Warrant Shares issuable upon exercise of a Warrant, the Company shall give written notice thereof to the Warrant Agent, which notice shall state the Exercise Price resulting from such adjustment and the increase or decrease, if any, in the number of Warrant Shares purchasable at such price upon the exercise of a Warrant, setting forth in reasonable detail the method of calculation and the facts upon which such calculation is based. Upon the occurrence of any event specified in Sections 4.1 or 4.2, then, in any such event, the Company shall give written notice to each Holder, at the last address set forth for such holder in the Warrant Register, as of the record date or the effective date of the event. Failure to give such notice, or any defect therein, shall not affect the legality or validity of such event. The Warrant Agent shall be entitled to rely conclusively on, and shall be fully protected in relying on, any certificate, notice or instructions provided by the Company with respect to any adjustment of the Exercise Price or the number of shares issuable upon exercise of a Warrant, or any related matter, and the Warrant Agent shall not be liable for any action taken, suffered or omitted to be taken by it in accordance with any such certificate, notice or instructions

or pursuant to this Warrant Agreement. The Warrant Agent shall not be deemed to have knowledge of any such adjustment unless and until it shall have received written notice thereof from the Company.

5. Restrictive Legends; Fractional Warrants.

In the event that a Warrant Certificate surrendered for transfer bears a restrictive legend, the Warrant Agent shall not register that transfer until the Warrant Agent has received an opinion of counsel for the Company stating that such transfer may be made and indicating whether the Warrants must also bear a restrictive legend upon that transfer. The Warrant Agent shall not be required to effect any registration of transfer or exchange which will result in the transfer of or delivery of a Warrant Certificate for a fraction of a Warrant.

6. [RESERVED].

7. Other Provisions Relating to Rights of Holders of Warrants.

7.1. No Rights as Stockholder. Except as otherwise specifically provided herein, a Holder, solely in its capacity as a holder of Warrants, shall not be entitled to vote or receive dividends or be deemed the holder of share capital of the Company for any purpose, nor shall anything contained in this Warrant Agreement be construed to confer upon a Holder, solely in its capacity as the registered holder of Warrants, any of the rights of a stockholder of the Company or any right to vote, give or withhold consent to any corporate action (whether any reorganization, issue of stock, reclassification of share capital, consolidation, merger, conveyance or otherwise), receive notice of meetings, receive dividends or subscription rights or rights to participate in new issues of shares, or otherwise, prior to the issuance to the Holder of the Warrant Shares which it is then entitled to receive upon the due exercise of Warrants.

7.2. Reservation of Common Stock. The Company shall at all times reserve and keep available a number of its authorized but unissued shares of Common Stock that will be sufficient to permit the exercise in full of all outstanding Warrants issued pursuant to this Warrant Agreement.

8. Concerning the Warrant Agent and Other Matters.

8.1. Any instructions given to the Warrant Agent orally, as permitted by any provision of this Warrant Agreement, shall be confirmed in writing by the Company as soon as practicable. The Warrant Agent shall not be liable or responsible and shall be fully authorized and protected for acting, or failing to act, in accordance with any oral instructions which do not conform with the written confirmation received in accordance with this Section 8.1.

8.2. (a) Whether or not any Warrants are exercised, for the Warrant Agent's services as agent for the Company hereunder, the Company shall pay to the Warrant Agent such fees as may be separately agreed between the Company and Warrant Agent and the Warrant Agent's out of pocket expenses in connection with this Warrant Agreement, including, without limitation, the fees and expenses of the Warrant Agent's counsel. While the Warrant Agent endeavors to maintain out-of-pocket charges (both internal and external) at competitive rates, these charges may not reflect actual out-of-pocket costs, and may include handling charges to cover internal processing and use of the Warrant Agent's billing systems.

(b) All amounts owed by the Company to the Warrant Agent under this Warrant Agreement are due within 30 days of the invoice date. Delinquent payments are subject to a late payment charge of one and one-half percent (1.5%) per month commencing 45 days from the invoice date. The Company agrees to reimburse the Warrant Agent for any attorney's fees and any other costs associated with collecting delinquent payments.

(c) No provision of this Warrant Agreement shall require Warrant Agent to expend or risk its own funds or otherwise incur any financial liability in the performance of any of its duties under this Warrant Agreement or in the exercise of its rights.

8.3 As agent for the Company hereunder the Warrant Agent:

(a) shall have no duties or obligations other than those specifically set forth herein or as may subsequently be agreed to in writing by the Warrant Agent and the Company;

(b) shall be regarded as making no representations and having no responsibilities as to the validity, sufficiency, value, or genuineness of the Warrants or any Warrant Shares;

(c) shall not be obligated to take any legal action hereunder; if, however, the Warrant Agent determines to take any legal action hereunder, and where the taking of such action might, in its judgment, subject or expose it to any expense or liability it shall not be required to act unless it has been furnished with an indemnity reasonably satisfactory to it;

(d) may rely on and shall be fully authorized and protected in acting or failing to act upon any certificate, instrument, opinion, notice, letter, telegram, telex, facsimile transmission or other document or security delivered to the Warrant Agent and believed by it to be genuine and to have been signed by the proper party or parties;

(e) shall not be liable or responsible for any recital or statement contained in the Registration Statement or any other documents relating thereto;

(f) shall not be liable or responsible for any failure on the part of the Company to comply with any of its covenants and obligations relating to the Warrants, including without limitation obligations under applicable securities laws;

(g) may rely on and shall be fully authorized and protected in acting or failing to act upon the written, telephonic or oral instructions with respect to any matter relating to its duties as Warrant Agent covered by this Warrant Agreement (or supplementing or qualifying any such actions) of officers of the Company, and is hereby authorized and directed to accept instructions with respect to the performance of its duties hereunder from the Company or counsel to the Company, and may apply to the Company, for advice or instructions in connection with the Warrant Agent's duties hereunder, and the Warrant Agent shall not be liable for any delay in acting while waiting for those instructions; any applications by the Warrant Agent for written instructions from the Company may, at the option of the Agent, set forth in writing any action proposed to be taken or omitted by the Warrant Agent under this Warrant Agreement and the date on or after which such action shall be taken or such omission shall be effective; the Warrant Agent shall not be liable for any action taken by, or omission of, the Warrant Agent in accordance with a proposal included in such application on or after the date specified in such application (which date shall not be less than five business days after the date such application is sent to the Company, unless the Company shall have consented in writing to any earlier date) unless prior to taking any such action, the Warrant Agent shall have received written instructions in response to such application specifying the action to be taken or omitted;

(h) may consult with counsel satisfactory to the Warrant Agent, including its in-house counsel, and the advice of such counsel shall be full and complete authorization and protection in respect of any action taken, suffered, or omitted by it hereunder in good faith and in accordance with the advice of such counsel;

(i) may perform any of its duties hereunder either directly or by or through nominees, correspondents, designees, or subagents, and it shall not be liable or responsible for any misconduct or negligence on the part of any nominee, correspondent, designee, or subagent appointed with reasonable care by it in connection with this Warrant Agreement;

(j) is not authorized, and shall have no obligation, to pay any brokers, dealers, or soliciting fees to any person and

(k) shall not be required hereunder to comply with the laws or regulations of any country other than the United States of America or any political subdivision thereof.

8.4. (a) In the absence of gross negligence or willful or illegal misconduct on its part, the Warrant Agent shall not be liable for any action taken, suffered, or omitted by it or for any error of judgment made by it in the performance of its duties under this Warrant Agreement. Anything in this Warrant Agreement to the contrary notwithstanding, in no event shall Warrant Agent be liable for special, indirect, incidental, consequential or punitive losses or damages of any kind whatsoever (including but not limited to lost profits), even if the Warrant Agent has been advised of the possibility of such losses or damages and regardless of the form of action. Any liability of the Warrant Agent will be limited in the aggregate to the amount of fees paid by the Company hereunder. The Warrant Agent shall not be liable for any failures, delays or losses, arising directly or indirectly out of conditions beyond its reasonable control including, but not limited to, acts of government, exchange or market ruling, suspension of trading, work stoppages or labor disputes, fires, civil disobedience, riots, rebellions, storms, electrical or mechanical failure, computer hardware or software failure, communications facilities failures including telephone failure, war, terrorism, insurrection, earthquakes, floods, acts of God or similar occurrences.

(b) In the event any question or dispute arises with respect to the proper interpretation of the Warrants or the Warrant Agent's duties under this Warrant Agreement or the rights of the Company or of any Holder, the Warrant Agent shall not be required to act and shall not be held liable or responsible for its refusal to act until the question or dispute has been judicially settled (and, if appropriate, it may file a suit in interpleader or for a declaratory judgment for such purpose) by final judgment rendered by a court of competent jurisdiction, binding on all persons interested in the matter which is no longer subject to review or appeal, or settled by a written document in form and substance satisfactory to Warrant Agent and executed by the Company and each such Holder. In addition, the Warrant Agent may require for such purpose, but shall not be obligated to require, the execution of such written settlement by all the Holders and all other persons that may have an interest in the settlement.

8.5. The Company covenants to indemnify the Warrant Agent and hold it harmless from and against any loss, liability, claim or expense ("Loss") arising out of or in connection with the Warrant Agent's duties under this Warrant Agreement, including the costs and expenses of defending itself against any Loss, unless such Loss shall have been determined by a court of competent jurisdiction to be a result of the Warrant Agent's gross negligence or willful misconduct.

8.6. Unless terminated earlier by the parties hereto, this Agreement shall terminate 90 days after the earlier of the Expiration Date and the date on which no Warrants remain outstanding (the "Termination Date"). On the business day following the Termination Date, the Agent shall deliver to the Company any entitlements, if any, held by the Warrant Agent under this Warrant Agreement. The Agent's right to be reimbursed for fees, charges and out-of-pocket expenses as provided in this Section 8 shall survive the termination of this Warrant Agreement.

8.7. If any provision of this Warrant Agreement shall be held illegal, invalid, or unenforceable by any court, this Warrant Agreement shall be construed and enforced as if such provision had not been contained herein and shall be deemed an Agreement among the parties to it to the full extent permitted by applicable law.

8.8. The Company represents and warrants that (a) it is duly incorporated and validly existing under the laws of its jurisdiction of incorporation, (b) the offer and sale of the Warrants and the execution, delivery and performance of all transactions contemplated thereby (including this Warrant Agreement) have been duly authorized by all necessary corporate action and will not result in a breach of or constitute a default under the articles of association, bylaws or any similar document of the Company or any indenture, agreement or instrument to which it is a party or is bound, (c) this Warrant Agreement has been duly executed and delivered by the Company and constitutes the legal, valid, binding and enforceable obligation of the Company, (d) the Warrants will comply in all material respects with all applicable requirements of law and (e) to the best of its knowledge, there is no litigation pending or threatened as of the date hereof in connection with the offering of the Warrants.

8.9. In the event of inconsistency between this Warrant Agreement and the descriptions in the Registration Statement, as they may from time to time be amended, the terms of this Warrant Agreement shall control.

8.10. Set forth in Annex C hereto is a list of the names and specimen signatures of the persons authorized to act for the Company under this Warrant Agreement (the "Authorized Representatives"). The Company shall, from time to

time, certify to you the names and signatures of any other persons authorized to act for the Company under this Warrant Agreement.

8.11. Except as expressly set forth elsewhere in this Warrant Agreement, all notices, instructions and communications under this Agreement shall be in writing, shall be effective upon receipt and shall be addressed, if to the Company, to its address set forth beneath its signature to this Agreement, or, if to the Warrant Agent, to [Pacific Stock Transfer, 6725 Via Austi Parkway, Suite 300, Las Vegas, NV 89119], or to such other address of which a party hereto has notified the other party.

8.12. (a) This Warrant Agreement shall be governed by and construed in accordance with the laws of the State of New York. All actions and proceedings relating to or arising from, directly or indirectly, this Warrant Agreement may be litigated in courts located within the Borough of Manhattan in the City and State of New York. The Company hereby submits to the personal jurisdiction of such courts and consents that any service of process may be made by certified or registered mail, return receipt requested, directed to the Company at its address last specified for notices hereunder. Each of the parties hereto hereby waives the right to a trial by jury in any action or proceeding arising out of or relating to this Warrant Agreement.

(b) This Warrant Agreement shall inure to the benefit of and be binding upon the successors and assigns of the parties hereto. This Warrant Agreement may not be assigned, or otherwise transferred, in whole or in part, by either party without the prior written consent of the other party, which the other party will not unreasonably withhold, condition or delay; except that (i) consent is not required for an assignment or delegation of duties by Warrant Agent to any affiliate of Warrant Agent and (ii) any reorganization, merger, consolidation, sale of assets or other form of business combination by Warrant Agent or the Company shall not be deemed to constitute an assignment of this Warrant Agreement.

(c) No provision of this Warrant Agreement may be amended, modified or waived, except in a written document signed by both parties. The Company and the Warrant Agent may amend or supplement this Warrant Agreement without the consent of any Holder for the purpose of curing any ambiguity, or curing, correcting or supplementing any defective provision contained herein or adding or changing any other provisions with respect to matters or questions arising under this Agreement as the parties may deem necessary or desirable and that the parties determine, in good faith, shall not adversely affect the interest of the Holders. All other amendments and supplements shall require the vote or written consent of Holders of at least 50.1% of the then outstanding Warrants, provided that adjustments may be made to the Warrant terms and rights in accordance with Section 4 without the consent of the Holders.

8.13 Payment of Taxes. The Company will from time to time promptly pay all taxes and charges that may be imposed upon the Company or the Warrant Agent in respect of the issuance or delivery of Warrant Shares upon the exercise of Warrants, but the Company may require the Holders to pay any transfer taxes in respect of the Warrants or such shares. The Warrant Agent may refrain from registering any transfer of Warrants or any delivery of any Warrant Shares unless or until the persons requesting the registration or issuance shall have paid to the Warrant Agent for the account of the Company the amount of such tax or charge, if any, or shall have established to the reasonable satisfaction of the Company and the Warrant Agent that such tax or charge, if any, has been paid.

8.14 Resignation of Warrant Agent.

8.14.1. Appointment of Successor Warrant Agent. The Warrant Agent, or any successor to it hereafter appointed, may resign its duties and be discharged from all further duties and liabilities hereunder after giving thirty (30) days' notice in writing to the Company, or such shorter period of time agreed to by the Company. The Company may terminate the services of the Warrant Agent, or any successor Warrant Agent, after giving thirty (30) days' notice in writing to the Warrant Agent or successor Warrant Agent, or such shorter period of time as agreed. If the office of the Warrant Agent becomes vacant by resignation, termination or incapacity to act or otherwise, the Company shall appoint in writing a successor Warrant Agent in place of the Warrant Agent. If the Company shall fail to make such appointment within a period of 30 days after it has been notified in writing of such resignation or incapacity by the Warrant Agent, then the Warrant Agent or any Holder may apply to any court of competent jurisdiction for the appointment of a successor Warrant Agent at the Company's cost. Pending appointment of a successor to such Warrant Agent, either by the Company or by such a court, the duties of the Warrant Agent shall be carried out by the

Company. Any successor Warrant Agent (but not including the initial Warrant Agent), whether appointed by the Company or by such court, shall be a person organized and existing under the laws of any state of the United States of America, in good standing, and authorized under such laws to exercise corporate trust powers and subject to supervision or examination by federal or state authority. After appointment, any successor Warrant Agent shall be vested with all the authority, powers, rights, immunities, duties, and obligations of its predecessor Warrant Agent with like effect as if originally named as Warrant Agent hereunder, without any further act or deed, and except for executing and delivering documents as provided in the sentence that follows, the predecessor Warrant Agent shall have no further duties, obligations, responsibilities or liabilities hereunder, but shall be entitled to all rights that survive the termination of this Warrant Agreement and the resignation or removal of the Warrant Agent, including but not limited to its right to indemnity hereunder. If for any reason it becomes necessary or appropriate or at the request of the Company, the predecessor Warrant Agent shall execute and deliver, at the expense of the Company, an instrument transferring to such successor Warrant Agent all the authority, powers, and rights of such predecessor Warrant Agent hereunder; and upon request of any successor Warrant Agent the Company shall make, execute, acknowledge, and deliver any and all instruments in writing for more fully and effectually vesting in and confirming to such successor Warrant Agent all such authority, powers, rights, immunities, duties, and obligations.

8.14.2. Notice of Successor Warrant Agent. In the event a successor Warrant Agent shall be appointed, the Company shall give notice thereof to the predecessor Warrant Agent and the transfer agent for the Common Stock not later than the effective date of any such appointment.

8.14.3. Merger or Consolidation of Warrant Agent. Any person into which the Warrant Agent may be merged or converted or with which it may be consolidated or any person resulting from any merger, conversion or consolidation to which the Warrant Agent shall be a party or any person succeeding to the shareowner services business of the Warrant Agent or any successor Warrant Agent shall be the successor Warrant Agent under this Warrant Agreement, without any further act or deed. For purposes of this Warrant Agreement, "person" shall mean any individual, firm, corporation, partnership, limited liability company, joint venture, association, trust or other entity, and shall include any successor (by merger or otherwise) thereof or thereto.

9. Miscellaneous Provisions.

9.1. Persons Having Rights under this Warrant Agreement. Nothing in this Warrant Agreement expressed and nothing that may be implied from any of the provisions hereof is intended, or shall be construed, to confer upon, or give to, any person or corporation other than the parties hereto and the Holders any right, remedy, or claim under or by reason of this Warrant Agreement or of any covenant, condition, stipulation, promise, or agreement hereof.

9.2. Examination of the Warrant Agreement. A copy of this Warrant Agreement shall be available at all reasonable times at the office of the Warrant Agent designated for such purpose for inspection by any Holder. Prior to such inspection, the Warrant Agent may require any such holder to provide reasonable evidence of its interest in the Warrants.

9.3. Counterparts. This Warrant Agreement may be executed in any number of original, facsimile or electronic counterparts and each of such counterparts shall for all purposes be deemed to be an original, and all such counterparts shall together constitute but one and the same instrument.

9.4. Effect of Headings. The Section headings herein are for convenience only and are not part of this Warrant Agreement and shall not affect the interpretation thereof.

10. Certain Definitions.

As used herein, the following terms shall have the following meanings:

(i) "Adjustment Right" means any right granted with respect to any securities issued in connection with, or with respect to, any issuance, sale or delivery (or deemed issuance, sale or delivery in accordance with Section 4) of Common Stock (other than rights of the type described in Section 4.2 and 4.3 hereof) that could result in a decrease in the net consideration received by the Company in connection with, or with respect to, such securities (including,

without limitation, any cash settlement rights, cash adjustment or other similar rights) but excluding anti-dilution and other similar rights (including pursuant to Section 4.4 of this Agreement).

(ii) "Approved Stock Plan" means any employee benefit plan which has been approved by the board of directors of the Company prior to or subsequent to the date hereof pursuant to which Common Stock and options to purchase Common Stock may be issued to any employee, consultant, officer or director or other service provider for services provided to the Company in their capacity as such.

(iii) "Convertible Securities" means any notes, rights, warrants or other securities (other than Options) that are at any time and under any circumstances, directly or indirectly, convertible into, exercisable or exchangeable for, or which otherwise entitles the holder thereof to acquire, shares of Common Stock.

(iv). "Excluded Securities" means (1) Common Stock or options or other rights to purchase Common Stock or other awards issued to directors, officers, employees, consultants or other service providers of the Company in their capacity as such pursuant to an Approved Stock Plan, provided that (A) all such issuances (taking into account the Common Stock issuable upon exercise of such options) after the date hereof pursuant to this clause (i) do not, in the aggregate, exceed more than 30% of the Common Stock issued and outstanding immediately prior to the date hereof; provided however, that such issuances to consultants or other service providers do not, in each instance in the aggregate, exceed more than 5% of the Common Stock issued and outstanding immediately prior to the date hereof, and (B) the exercise price of any such options is not lowered, none of such options are amended to increase the number of shares issuable thereunder in each case other than pursuant to the terms hereof (including any anti-dilution provisions contained therein) and none of the terms or conditions of any such options are otherwise materially changed in any manner that adversely affects any of the holders of Warrants; (2) Common Stock issued upon the conversion or exercise of Convertible Securities (other than options or other rights to purchase Common Stock issued pursuant to an Approved Stock Plan that are covered by clause (i) above) issued prior to the date hereof, provided that the conversion price of any such Convertible Securities (other than options or other rights to purchase Common Stock issued pursuant to an Approved Stock Plan that are covered by clause (1) above) is not lowered through the amendment or waiver of such Convertible Security, none of such Convertible Securities (other than options or other rights to purchase Common Stock issued pursuant to an Approved Stock Plan that are covered by clause (1) above) are amended to increase the number of shares issuable thereunder and none of the terms or conditions of any such Convertible Securities (other than options or other rights to purchase Common Stock issued pursuant to an Approved Stock Plan that are covered by clause (1) above) are otherwise materially changed in any manner that adversely affects any of the holders of Warrants; (3) Common Stock issuable upon exercise of the Warrants; and (4) securities issuable in connection with strategic license agreements, other partnering arrangements or acquisitions or mergers where the purchaser or acquirer of the securities in such issuance solely consists of (A) either (x) the actual participants in such strategic license, strategic alliance, strategic partnership or other partnering arrangements, (y) the actual owners of such assets or securities acquired in such acquisition or merger or (z) the stockholders, partners or members of the foregoing persons or entities and (B) number or amount of securities issued to such person or entity by the Company shall not be disproportionate (as determined in good faith by the Board of Directors of the Company) to either (x) the fair market value of such person's or entity's actual contribution to such strategic alliance or strategic partnership or (y) the proportional ownership of such assets or securities to be acquired by the Company, as applicable; provided, that, notwithstanding the foregoing, such purchaser or acquirer of the securities in such issuance shall not include any person regularly engaged in the business of buying or selling securities.

(v) [RESERVED].

(vi) [RESERVED]

(vii) "Options" means any rights, warrants or options to subscribe for or purchase Common Stock or Convertible Securities.

(viii) [RESERVED].

(ix) "Trading Day" means any day on which the Common Stock is traded on the Trading Market, or, if the Trading Market is not the principal trading market for the Common Stock, then on the principal securities exchange or

securities market in the United States on which the Common Stock is then traded, provided that "Trading Day" shall not include any day on which the Common Stock is are scheduled to trade on such exchange or market for less than 4.5 hours or any day that the Common Stock is suspended from trading during the final hour of trading on such exchange or market (or if such exchange or market does not designate in advance the closing time of trading on such exchange or market, then during the hour ending at 4:00 P.M., New York City time).

(x) "Trading Market" means NYSE MKT, the Nasdaq Capital Market, the Nasdaq Global Market, the Nasdaq Global Select Market or the New York Stock Exchange.

(xi) "VWAP" means, for any date, the price determined by the first of the following clauses that applies: (a) if the Common Stock is then listed or quoted on a Trading Market, the daily volume weighted average price of the Common Stock for such date (or the nearest preceding date) on the Trading Market on which the Common Stock is then listed or quoted as reported by Bloomberg L.P. (based on a Trading Day from 9:30 a.m. (New York City time) to 4:02 p.m. (New York City time)), (b) the volume weighted average price of the Common Stock for such date (or the nearest preceding date) on the OTC Bulletin Board, (c) if the Common Stock are not then listed or quoted for trading on the OTC Bulletin Board and if prices for the Common Stock are then reported in the OTCQB maintained by OTC Markets Group, Inc. (or a similar organization or agency succeeding to its functions of reporting prices), the most recent bid price per share of Common Stock so reported, or (d) in all other cases, the fair market value of the Common Stock as determined by an independent appraiser selected in good faith by the Company, the fees and expenses of which shall be paid by the Company.

[SIGNATURE PAGE FOLLOWS]

IN WITNESS WHEREOF, this Warrant Agent Agreement has been duly executed by the parties hereto as of the day and year first above written.

DUOS TECHNOLOGY GROUP, INC.

By: _____
Name: Gianni B. Arcaini
Title: Chief Executive Officer

Address for notices:
6622 Southpoint Drive South
Suite 310
Jacksonville, FL 32216
Attention: Gianni B. Arcaini
Telephone: (904) 652-1616
Facsimile: (904) 296-4103
E-mail: gba@duostech.com

Pacific Stock Transfer
As Warrant Agent

By: _____
Name:
Title:

Annex A Form of Warrant Certificates
Annex B Election to Purchase
Annex C Authorized Representatives

ANNEX A

ANNEX B

ANNEX C

AUTHORIZED REPRESENTATIVES

Name	Title	Signature

EXHIBIT 23.1

Consent of Independent Registered Public Accounting Firm

We hereby consent to the use of our report dated March 30, 2017, except for Note 18, "Reverse Stock Split" and "Amendment to $2,500,000 Promissory Note", as to which the date is June 15, 2017 on the consolidated financial statements of Duos Technologies Group, Inc. and Subsidiaries, as of December 31, 2016 and 2015 and for each of the two years in the period ended December 31, 2016, included herein on the registration statement of Duos Technologies Group, Inc. on Amendment No. 4 to Form S-1 (Registration Statement No. 333-215652), and to the reference to our firm under the heading "Experts" in the prospectus.

SALBERG & COMPANY, P.A.

/s/ Salberg & Company, P.A.

Boca Raton, Florida
July 14, 2017