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

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): April 9, 2018

Duos Technologies Group, Inc.

(Exact name of registrant as specified in its charter)

Florida
*(State or Other Jurisdiction
of Incorporation)*

000-55497
*(Commission
File Number)*

65-0493217
*(I.R.S. Employer
Identification No.)*

**6622 Southpoint Drive S., Suite 310
Jacksonville, Florida 32216**
(Address of Principal Executive Office) (Zip Code)

(904) 652-1601
(Registrant's telephone number, including area code)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company

If an emerging growth company, indicate by checkmark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Cautionary Note Regarding Forward-Looking Statements

This Current Report on Form 8-K includes information that may constitute forward-looking statements. These forward-looking statements are based on the Company's current beliefs, assumptions and expectations regarding future events, which in turn are based on information currently available to the Company. By their nature, forward-looking statements address matters that are subject to risks and uncertainties. Forward looking statements include, without limitation, statements relating to projected industry growth rates, the Company's current growth rates and the Company's present and future cash flow position. A variety of factors could cause actual events and results, as well as the Company's expectations, to differ materially from those expressed in or contemplated by the forward-looking statements. Risk factors affecting the Company are discussed in detail in the Company's filings with the Securities and Exchange Commission. The Company undertakes no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future events or otherwise, except to the extent required by applicable securities laws.

Item 7.01 Regulation FD Disclosure.

Pursuant to Regulation FD, Duos Technologies Group, Inc. (the "Company") hereby furnishes investor presentation materials in the form of a power point presentation and description of the Company's current platform technology (the "Presentation Material") written by the Company to update current shareholders as well potential investors of the Company's business strategy. The Company will present the Presentation Material to investors, shareholders and/or customers on or after April 9, 2018.

The information provided under this Item 7.01 of this Current Report on Form 8-K, including Exhibit 99.1, is "furnished" and shall not be deemed "filed" with the Securities and Exchange Commission or incorporated by reference in any filing under the Securities Exchange Act or 1934 or the Securities Act of 1933. The Presentation Material can also be found on our website at <https://duostechnologies.com>.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

<u>Exhibit No.</u>	<u>Description of Exhibit</u>
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<u>99.1</u>	Presentation Material
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SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned, hereunto duly authorized.

DUOS TECHNOLOGIES GROUP, INC.

Dated: April 9, 2018

By: /s/ Adrian Goldfarb
Adrian Goldfarb
Chief Financial Officer

duostech
connected intelligence

2018
The MicroCap Conference – April 9-10

GOVERNMENT UTILITIES OIL AND GAS RAIL CHEMICAL DISTRIBUTION

The image is a promotional banner for the duostech 2018 MicroCap Conference. It features a dark background with a network of blue nodes and lines. On the left, a man in a cap and glasses is shown in profile, looking at several computer monitors displaying data and maps. The text 'duostech connected intelligence' is prominently displayed in the center, with '2018' and 'The MicroCap Conference – April 9-10' below it. At the bottom, there are six small images representing different industries: Government (a building at night), Utilities (power plants), Oil and Gas (pumpjack), Rail (train tracks), Chemical (industrial facility), and Distribution (warehouse).

Safe Harbor Statement

This presentation, as well as other written or oral statements made from time to time, includes "forward-looking statements," within the meaning of the U.S. Securities Act of 1933, as amended and the U.S. Securities Exchange Act of 1934, as amended, or the "Exchange Act." Forward-looking statements are not based on historical information and include, without limitation, statements regarding our future financial condition and results of operations, business strategy and plans and objectives of management for future operations. Forward-looking statements reflect our current views with respect to future events. The words "may," "will," "expect," "intend," "anticipate," "believe," "project," "estimate" and similar expressions identify forward-looking statements. These forward-looking statements are based upon estimates and assumptions made by us or our officers that, although believed to be reasonable, are subject to certain known and unknown risks and uncertainties that could cause actual results to differ materially and adversely as compared to those contemplated or implied by such forward-looking statements.

All forward-looking statements involve risks, assumptions and uncertainties. You should not rely upon forward-looking statements as predictors of future events. The occurrence of the events described, and the achievement of the expected results, depend on many events, some or all of which are not predictable or within our control. Actual results may differ materially from expected results. These risks, assumptions and uncertainties are not all of the important factors that could cause actual results to differ materially from those expressed in any of our forward-looking statements. Other known as well as unknown or unpredictable factors also could harm our results. All of the forward-looking statements we have included in this presentation are based on information available to us on the date of this presentation. We undertake no obligation, and specifically decline any obligation, to update publicly or revise any forward-looking statements, whether as a result of new information, future events or otherwise. In light of these risks, uncertainties and assumptions, the forward-looking events discussed in this presentation might not occur.

Any reference to financial projections in this presentation, if any, are for illustrative purposes only and are based upon certain hypothetical assumptions, which we believe are reasonable as of the date of this Presentation. The selection of assumptions requires the exercise of judgment and is subject to uncertainty due to the effect that economic or other changes may have on future events. The assumptions used for the projections in this Presentation, if any, are those we believe to be most significant to the projections.

About Us

- Headquartered in Jacksonville, FL | Staff of 40
- Design, develop and implement advanced intelligent technologies
Intelligent Sensor and Data Analytics Enterprise Information Management (EIM) Turnkey Engineered Solutions
- Industry-agnostic with current focus on rail transportation, retail distribution centers, correctional facilities and critical infrastructure security
- 9 patents granted and 2 patents pending
- Core intellectual property are technology platforms distributed as licensed software suites, and natively embedded within engineered turnkey systems:
centraco® - intelligent customer facing user interface (front end)
praesidium® - intelligent analytics process (back-end)



Our Proprietary Technologies are Disruptive

Open-Architecture - Easily Integrates Third-Party Systems

Presentation Layer for Decision Making



Modular Common Operating Framework
Multi-Layered Intelligent Unified User Interface

Intelligent Data Analytics Modules including Artificial Intelligence



Analytics modules
Application specific Artificial Intelligence

Duos also develops and implements application specific hardware for complete turnkey solutions:

- Vehicle Undercarriage Examiner (**vue**®)
- Linear Speed Sensor (commercially available were not accurate for high speed rail inspection)
- Thermal **vue**® (under development)

Our Target Markets and Select Customers





**The Total North American Markets We
Serve Exceed \$100B**

The Total Addressable Market is Global

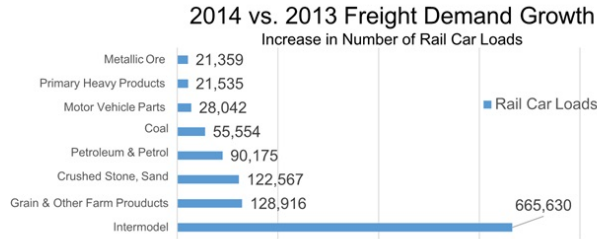
We Serve the \$60B North American Rail Market and Its Developing Trends

"Major freight railroads plan to spend an estimated \$29B to build, maintain and grow the rail network."

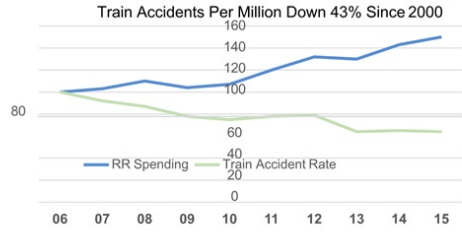
Source: aar.org 2015 Outlook
Source: Association of American Railroads "Total Annual Spending 2013 Data"

"Big Data will continue to help railroads make intelligent decisions about the rail network and maintain a system of cargo delivery second to none."

Source: AAR State of the Industry 2016 Full Report



Rail Investment Leads to Fewer Accidents



Source: Association of American Railroads

RAIL MARKET DATA

- \$ 60B** Freight Rail Network
- 1.56M** Freight Cars
- 26,500** Locomotives
- 140,000** Miles of Class 1 Track
- 500+** Freight Rail Yards
- 21** Regional Railroads
- 510** Local Railroads

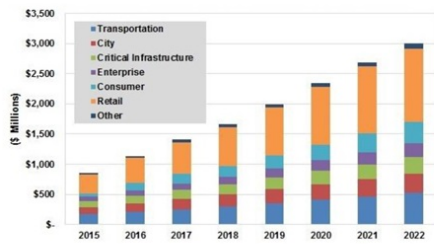
Source: US Federal Railroad Administration

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We Also Target Two Additional Large Markets

The \$2B Video Analytics Market

Rising security and safety issues drive video analytics market growth



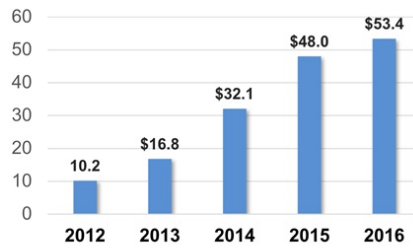
"Analysts forecast the global video analytics market to grow at a CAGR of 33.2% over the period 2014-2019."

Source: Technavio, 2015



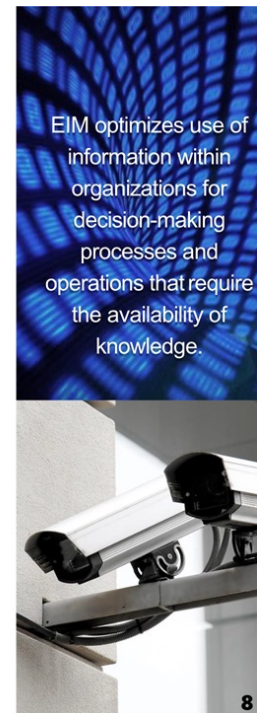
The \$53B Enterprise Information (EI) Market

2012-2016 EIM Growth Driven by Big Data
(in Billions of dollars)



"The global enterprise information management market is expected to grow at a CAGR of 19.5% through 2020."

Source: Research and Markets "Global Enterprise Information Management Market 2016-2020"





duostech

Our Technologies, Products and Applications



rip® Rail Inspection Portal for Border Security (first generation)

AT BORDER CROSSINGS

- Freight trains entering the US from Mexico pass our Rail Inspection Portal at low speeds
- Rail cars are inspected remotely by US Customs and Border Protection ("CBP")

OBJECTIVES

- Detection of illegal riders
- Under carriage inspection
- Open Doors
- Open/Missing Hatches

SYSTEM SUMMARY FOR SECURITY INSPECTIONS

- Live imagery is simultaneously viewed by CBP officers in the field and by The National Rail Targeting Unit ("NRTU") in the US and in Mexico
- Each rail car is inspected by stakeholders virtually at the portal using proprietary local database
- All images are stored on local database and simultaneously uploaded to duostech's cloud
- Databases are continuously synchronized
- Open doors, missing hatches tagged via Automatic Equipment Identification(AEI) tag correlation
- Changes and suspicious detections are flagged and tagged on **centraco**®'s CBP user interface
- Comprehensive reporting via e-Mail and live displays
- Individual car tracking throughout rail system



rip® Rail Inspection Portal for Border Security (first generation) cont'd



Linear Panorama View

Stitches and synchronizes 360° vertical view images (top bottom and sides) of each rail car passing through the inspection portal at speeds of up to 120 MPH. The panoramic view allows inspectors to detect;

1. Open Doors

Identifies open doors. Identifies location within train. Automatically sends alarm to operators.

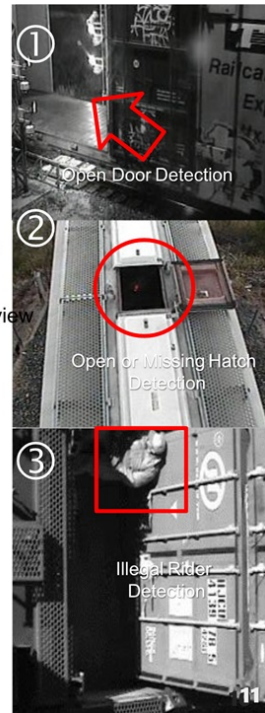
2. Open and Missing Hatches

Identifies missing top hatches. Identifies location within train. Automatically sends alarm to operators.

3. Illegal Riders

Detects hiding individuals. Identifies location within train. Automatically transmits alarms to operators.

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rip[®] Rail Inspection Portal for Mechanical Inspection (second generation)

Industry Objective

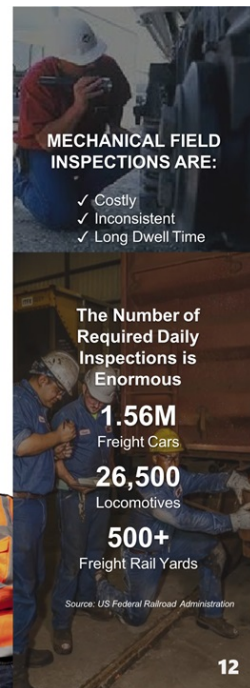
Replace current in-yard physical inspection practice with an automated process, conducted **prior** to train entering a yard

Current Practices

1. Upon arrival of trains in each yard, car inspectors **conduct visual, physical inspection** of mechanical components “walking” on both sides of each car of a train
2. Process is **inefficient and ineffective**; depending on factors such as weather and the availability, motivation and capability of inspectors
3. Time consuming process – **dwel time 3 - 4 hrs.+ per train while train is immobilized in an inspection yard**

Mechanical inspection of all rail cars and locomotives is mandatory as they leave the yard.

Source: Federal Railroad Administration (FRA) Regulation



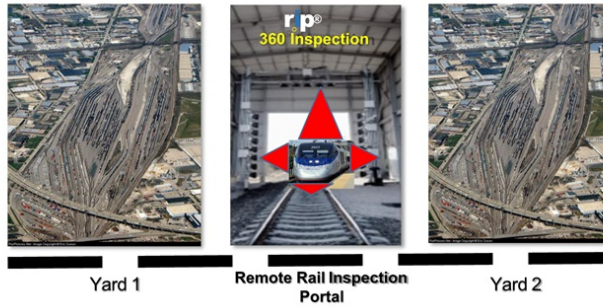
rip® Automated Rail Car Mechanical Inspection (second generation)

The Future of Rail Mechanical Inspections

Remote, four-sided (360°), **automated mechanical inspection** while traveling at speeds of up to 140 MPH - **before train enters a yard**

Benefits:

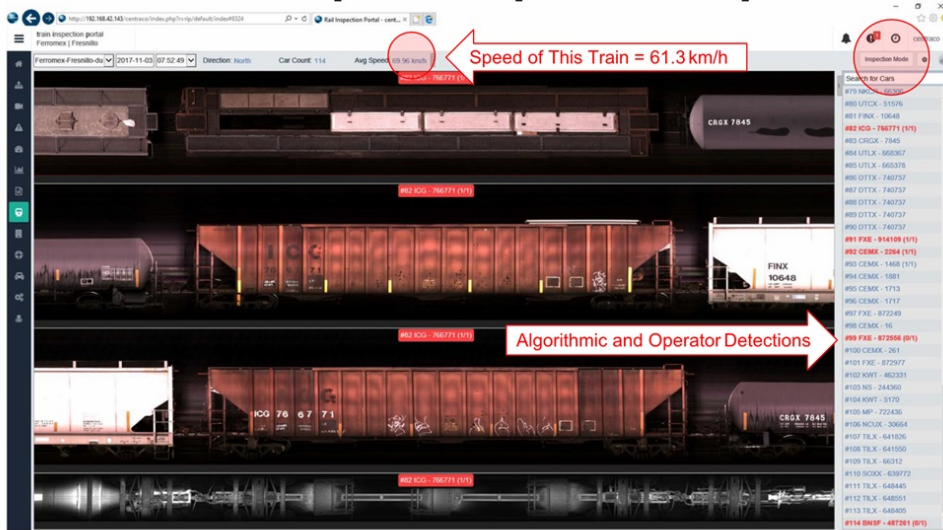
- Reduction of field labor
- Substantial reduction of dwell time per train
- Increased safety, accuracy and efficiencies
- Increase in average system velocity
- Prevent derailments (see ROI Study)



Substantial savings and positive impact on rail operator's bottom line

Intelligent Interface - Detections at Speeds Up to 140 mph

- ❑ Linear Speed Sensor – Accuracy to 0.02 mph
- ❑ Image Capture with Machine Vision – 2px x 2048 px
- ❑ Line Scans are stitched to a panoramic view
- ❑ Automated and inspector detections are flagged in red
- ❑ Synchronized display
- ❑ Inspection Mode with Ultra HD Zoom



Inspection Mode Detections at Speeds Up to 140 mph

The screenshot displays the rip software interface. On the left, a search list titled "Search for Cars" contains 22 entries with IDs and car numbers. A red circle highlights the "Inspection Mode" button at the top of the list. A red arrow points from this button to the text "Enter Inspection Mode". Below the list, a red arrow points from the text "Click to Define Area and to Navigate to an Ultra High Definition Image Detail" to a small image thumbnail. On the right, a large image shows a close-up of a train component, specifically a wheel assembly, with the ID "WFRX - 865260" visible. A red arrow points from the text "Annotate or select from FRALibrary" to a red plus sign icon in the bottom right corner of the image.

Inspection Mode

Enter Inspection Mode

Search for Cars

- #1 FXE - 4014
- #2 FXE - 4118
- #3 UP - 8806
- #4 FXE - 4047
- #5 TILX - 648572
- #6 TILX - 66213
- #7 WFRX - 865268
- #8 TILX - 66201
- #9 WFRX - 865258
- #10 TILX - 648470
- #11 TILX - 66154
- #12 WFRX - 865292
- #13 TILX - 66192
- #14 WFRX - 865266
- #15 WFRX - 865264
- #20 TILX - 648412 (1/1)
- #21 TILX - 648431
- #22 TILX - 648494 (1/1)

WFRX - 865260

LIFT AND JACK HERE

PULL

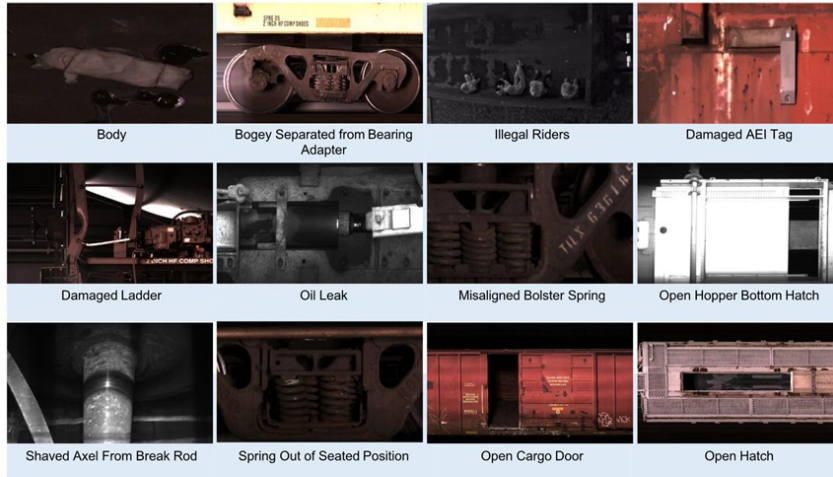
WFRX 865260

Annotate or select from FRALibrary

rip® Examples of 360° Remote Detections

These detections are the result of a combined automated (algorithmic) process and the manual verification by our remote inspection team.

The manual process will be reduced and eventually significantly reduced as more algorithms are developed.

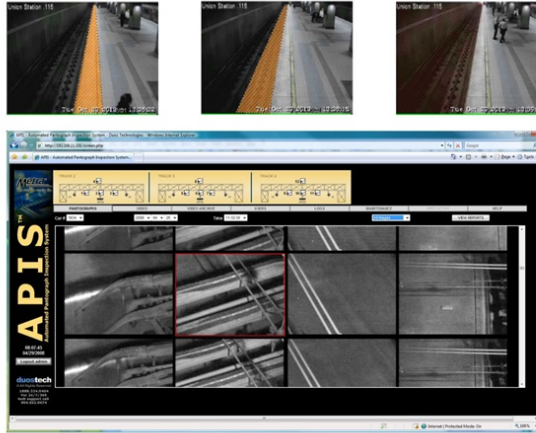


Rail Technologies Under Development

We believe THE FUTURE OF RAIL TECHNOLOGIES uses algorithms to build analytical models, helping computers “learn” from data through deep learning and neural network modeling. Images collected from the Rail Inspection Portal are applied to custom requirements for automated mechanical, FRA safety and security criteria.

TECHNOLOGIES

- ❑ **Track intrusion detection for transit passenger rail platforms**
 - ❑ Independent Zone operation – Train detection and Passenger Alert zones
 - ❑ Operator customization
 - ❑ Triggering alarms – programmable thresholds
 - ❑ Mask-able areas
 - ❑ Train detection with dynamic masking update
- ❑ **Automated pantograph inspection**
- ❑ **High speed thermal vehicle undercarriage examiner**





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NEURAL NETWORKING

**Our Technologies' Future in Intelligent
Information Management and Intelligent
Analytics**

Additional **centraco**® Applications Under Development

THE COMBINATION OF NEURAL NETWORK MODELLING WITH CENTRACO® enterprise information management capabilities will enable processing complex analytics and pattern recognition processes

PRODUCT

PRICE RANGE

Intelligent Corrections Automation System

- Just completed implementation of South Florida correctional facility
- Planning to build dedicated business and technical implementation unit

\$500K-\$4.0M / unit

Automated Logistics Information System (ALIS)

- Completing distribution center system prototype for Kohl's
- Planning to build dedicated business and technical implementation unit for retail sector

\$200K-\$300K / unit

Inspection Portal Applications

- Just awarded an inspection portal application for FEMA

\$300K-\$500K / unit





Income Statement

(in '000s)	FY 2016	FY 2017
Revenue	\$6,105	\$3,884
Cost of Sales	2,733	2,294
Gross Margin	3,372	1,590
<i>% of Revenue</i>	55%	41%
Operating Expenses	5,116	5,033
Income (Loss) from Operations	(1,744)	(3,443)
Other Income (Expense) *	(818)	(1,709)
Net Income (Loss)	(\$2,562)	(\$5,152)

* Includes \$900k in non-cash interest expense w/ respect to bridge loan

FINANCIAL REVIEW 2016 – 2017

- **Transition year for technology** and industry focus
- **Also affected GM %** where early installs are discounted
- Delayed closing of raise **slowed project implementation**
- **Strong start to 2018**

2018 Key Wins

<i>Application</i>	<i>Client</i>	<i>Contract \$</i>
Automated Logistics Information System	Large Retailer	\$2.7M
Trailer Manufacturing Inspection Portal	FEMA	\$0.5M
Intelligent Branch Security	Regional Bank	\$0.5M
Rail Inspection Portal (Annual Maintenance)	Freight Railroad	\$1.1M
Completion of Ongoing Projects	Various	\$0.2M

Consolidated Balance Sheet Data

As of December 31, 2017

	Actual
Cash	1,941,818
Total Other Current Assets *	813,020
Total Liabilities	2,243,643
Series B Convertible Cumulative Preferred Stock	2,830,000
Total Stockholders' Equity **	622,535

* A/R and other cash owed on projects

**Negatively affected by non-cash interest charges

Capital Structure

as of 12/31/2017	
Common Stock	20,651,371
Warrants*1	25,216,336
Series B Convertible Preferred	5,660,000*2

*1) Weighted Average Exercise Price : \$0.70

*2) Equivalent Common Shares as converted

Experienced Leadership Team

Gianni Arcaini

Chairman, President, CEO

Mr. Arcaini's thirty five year executive career began in Europe, leading a range of companies, spanning multiple industries. After immigrating to the United States, Mr. Arcaini, together with a group of investors, formed Environmental Capital Holdings, Inc. (ECH), a company focusing on the transfer of technologies from Europe to the U.S. ECH later acquired Duos Engineering B.V. which was later rebranded as Duos Technologies (USA), Inc., the predecessor company of Duos. In 2002, Duos Technologies (USA) spun off from ECH and under the leadership of Mr. Arcaini expanded into a broad-based technology company with a special focus on developing technologies for the homeland security industry. Mr. Arcaini is the inventor and co-inventor of all current technologies offered by Duos and is signatory to 14 granted patents or patents pending. He graduated from the State Business School in Frankfurt, Germany and is fluent in five languages.

Adrian Goldfarb

EVP, Chief Financial Officer, Director

Mr. Goldfarb is a thirty-five-year industry veteran including more than 30 years in information technology beginning at IBM. For most of the last twenty years, Mr. Goldfarb has specialized in new venture and early stage organizations where he has assumed roles of increasing responsibility and leadership including CFO, President, and Board member. Mr. Goldfarb currently serves as our CFO and on the Board. He also oversees the Company's Data Center Infrastructure Solutions business unit. He holds a Bachelors of Arts in Business Administration with a concentration in Finance.

Connie Weeks

EVP, Chief Accounting Officer

Ms. Weeks has over twenty-five 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 Duos team for over twenty years.

Noel Heiks

President, Chief Operating Officer | Operating Subsidiary

Ms. Heiks' is a technology entrepreneur and a C-Level executive with a career spanning over twenty years in both operational and business development roles. Her science, technology and engineering background are a valuable combination to effectively lead our business development, engineering and operations teams. Ms. Heiks has a strong track record of translating complicated technology concepts to client solutions while remaining focused on technology commercialization. She has worked within multiple industry sectors including defense, government, and commercial organizations and is proficient in driving business growth through direct customer relations with large organizations. Ms. Heiks has successfully completed several M&A transactions. She has bought and sold patent portfolios and has been involved in fund-raising, selling companies, and licensing technologies. Her mission is to drive disruptive technologies from theoretical research into practical applications for large, international markets. She has a Bachelor's degree in Physics, a Masters in Electrical Engineering, and a thesis in Computer Vision all from Virginia Tech.

David Ponevac

SVP, Chief Technology Officer | Operating Subsidiary

Mr. Ponevac has over fourteen years of software engineering experience concentrating on web and mobile environments; considerable expertise in Objective-C, Java, C#, PHP and many other scripting languages. Previously, David was CTO of Luceon and worked with a range of domestic and international public and private sector clients. He holds a Bachelors of Science in Electrical Engineering and a Masters in Computer Science.

Wm. Scott Carns

VP, Operations | Operating Subsidiary

Mr. Carns is responsible for all aspects of Operations and Engineering within the Intelligent Technologies Division. He has extensive experience in the information technology industry with an emphasis on intelligent video analytics and centralized command and control applications. Prior to joining Duos, Mr. Carns worked as the Information Technologies Coordinator for Environmental Capital Holdings, Inc. and was President of Software Solutions Group, Inc. He also served in the US Army and attended Kansas State University.