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): December 8, 2017

Duos Technologies Group, Inc.

(Exact name of registrant as specified in its charter)

Florida	**000-55497**	**65-0493217**
(State or Other Jurisdiction of Incorporation)	*(Commission File Number)*	*(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 Companies 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 December 8, 2017.

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://ir.duostechnologies.com/.

Item 9.01. Financial Statements and Exhibits.

(d) *Exhibits* – The following exhibits are filed as part of this report:

Exhibit No.	Description of Exhibit
99.1	Presentation Material

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: December 8, 2017

By: /s/ *Gianni B. Arcaini*
Gianni B. Arcaini
Chief Executive Officer

EXHIBIT 99.1


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2017
Company Overview
GOVERNMENT
UTILITIES
OIL AND GAS
RAIL
CHEMICAL
DISTRIBUTION

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 36
- Global provider of intelligent technologies
- We design, develop, implement and support advanced intelligent technologies for rail, utilities, oil and gas, chemical industries, commercial and retail distribution, and government sectors
  - **Intelligent Sensor and Data Analytics**
  - **Enterprise Information Management (EIM)**
  - **Engineered Solutions**
- 9 patents granted and 2 patents pending
- Built upon two core 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)

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Our Experienced, Multi-Industry 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 20 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. 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.

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.

Our Proprietary Technologies are Disruptive

Open-Architecture - Easily Integrates Third-Party Systems

9 PATENTS GRANTED AND 2 PATENTS PENDING

centraco®

MODULAR INTELLIGENT ENTERPRISE INFORMATION MANAGEMENT

Modular Common Operating Framework
Multi-Layered Intelligent Unified User Interface
Unlimited Integration of Controls and Sensors
Integrated Proprietary Automated Alarm Management
Automated Systems and Device Diagnostics
LDAP and Active Directory*
Natively Embedded Duos Technologies
Agnostic to 3rd - Party Hardware and Applications

* Lightweight Directory Active Protocol (automatic authentication)
Also known as Active Directory (Microsoft)

praesidium®

MODULAR INTELLIGENT ANALYTICS PLATFORM

Intelligent Rail Inspection Portal
Virtual Security Shield
Smart Area Security
Smart Tunnel Security
Smart Bridge Security and Controls
Pantograph Inspection
Industrial and Commercial Facilities Security
Transit Platform Security**
Smart Distribution Center Inspection Portal**

** Under Development

Our Target Markets and Select Customers

AMTRAK · BNSF RAILWAY · CONCHO · METROLINK · UNION PACIFIC · CONRAIL · CSX · Metra · TTCI Transportation Technology Center, Inc. · Ferromex GRUPO MEXICO · Olin CHLOR ALKALI PRODUCTS · KOHL'S · nationalgrid · APL JOHNS HOPKINS APPLIED PHYSICS LABORATORY · U.S. Army · U.S. Department of Homeland Security · Kansas City Southern Lines

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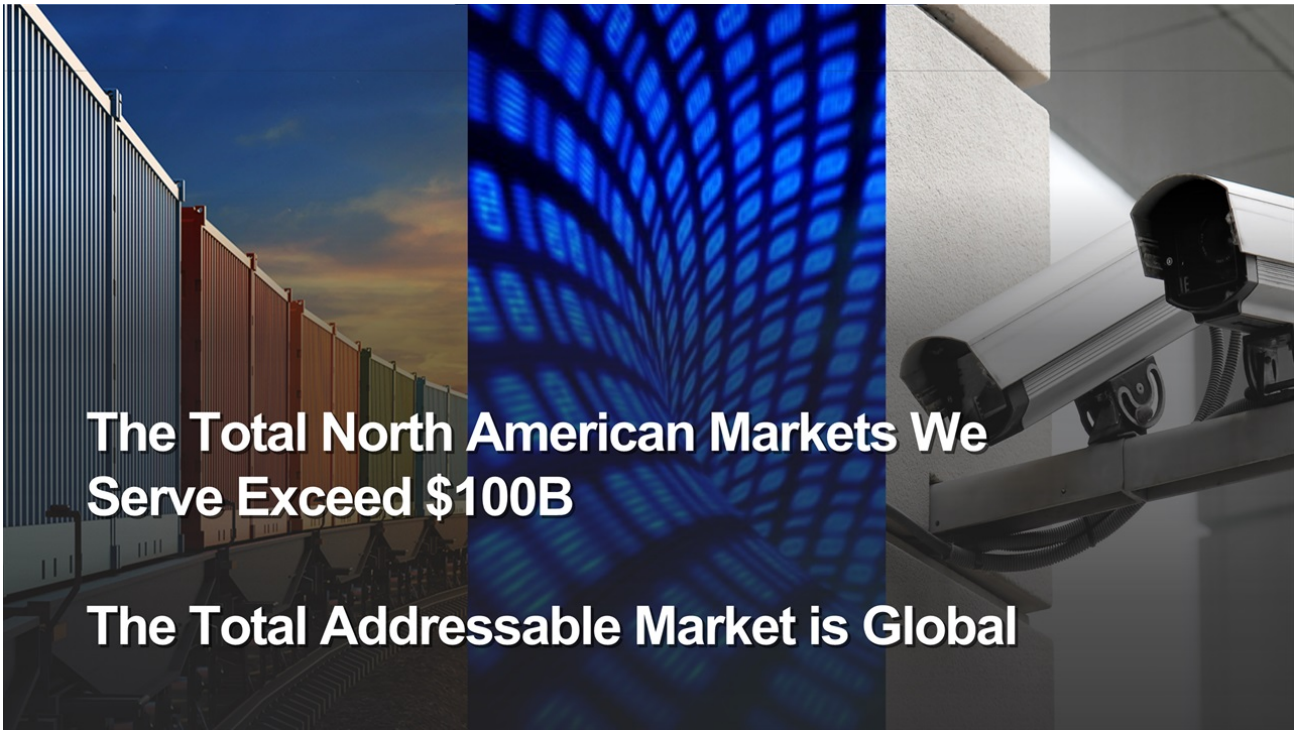

The Total North American Markets We Serve Exceed $100B
The Total Addressable Market is Global

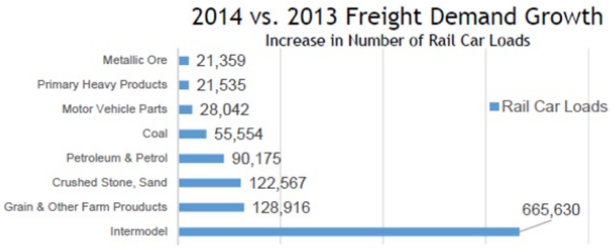
We Serve the $60B North American Rail Market and Its Developing Trends

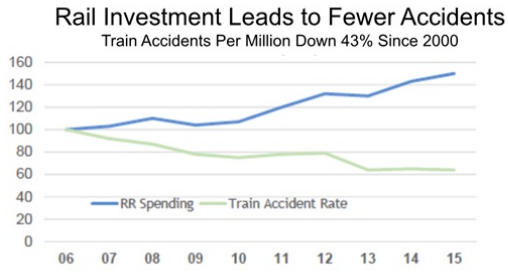
"Major freight railroads plan to spend an estimated $29B to build, maintain and grow the rail network."

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

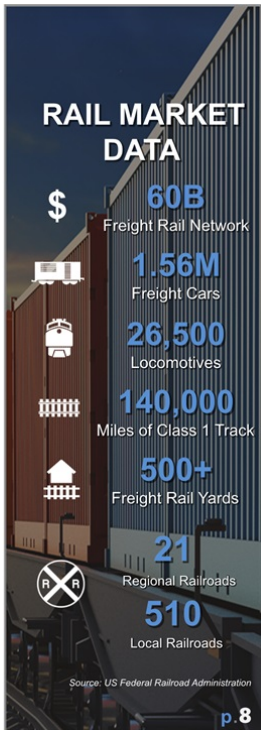
"Big Data will continue to help railroads make intelligent decisions about the rail network and maintain a system of cargo delivery second to none."

Source: AAR State of the Industry 2016 Full Report





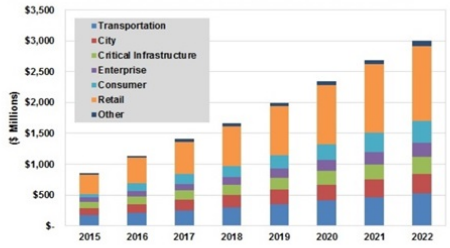
Source: Association of American Railroads



We Also Target Two Additional Large Markets

The $2B Video Analytics Market

Rising security and safety issues drive video analytics market growth



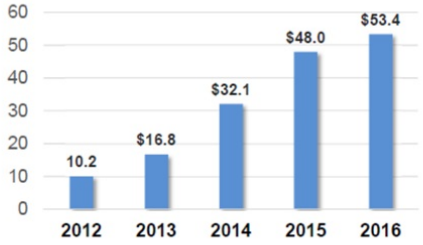
"Analysts forecast the global video analytics market to grow at a CAGR of 33.2% over the period 2014-2019."

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 19.51% through 2020."

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

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EIM optimizes use of information within organizations for decision-making processes and operations that require the availability of knowledge.


centraco®
praesidium®
duostech
Our Technologies, Products and Applications
rip®
vue®

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

AT BORDER CROSSINGS

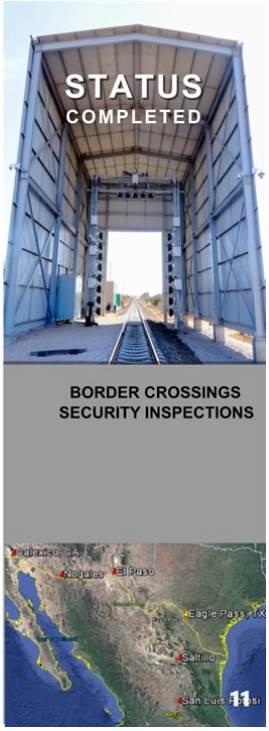
- Freight trains entering the US from Mexico pass our Rail Inspection Portal at low speeds
- Rail cars are inspected remotely by US Customs and Border Protection (“CBP”)

FOR SECURITY INSPECTIONS

- Detection of illegal riders
- Under carriage inspection

SYSTEM SUMMARY

- **PRICE RANGE - $750K-$1.2 M**
- 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



BORDER CROSSINGS
SECURITY INSPECTIONS

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rip® Rail Inspection Portal Technology

(first generation)

Our 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 70 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® Addresses Current Inefficiencies in Mechanical Rail Car Inspections

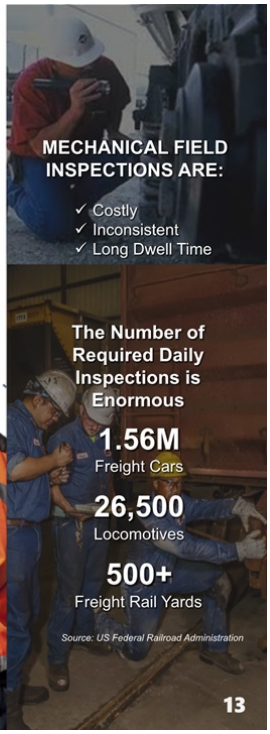
(second generation)

Current Practices Are Inefficient

1. Car inspectors **conduct visual, physical inspection** of mechanical components on both sides of each car of a train
2. Inspection **efficiency and effectiveness vary** depending on factors such as weather and the availability, motivation and capability of inspectors
3. Time consuming process – **dwell time 2-3 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



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rip® Automated Rail Car Mechanical Inspection (second generation)

The Industry's Goals Are in Our Sights

1. Remote, four-sided (360°), **automated** mechanical inspection while traveling at speeds of up to 70 MPH
2. Reduction of field labor
3. Substantial reduction of dwell time per train, targeting 30 minutes – a reduction by 60%-80%
4. Increased safety, accuracy and efficiencies
5. Increase in average system velocity
6. Substantial savings and positive impact on rail operator's bottom line

Our Three-Phase Plan and Status

PHASE 1 ✓

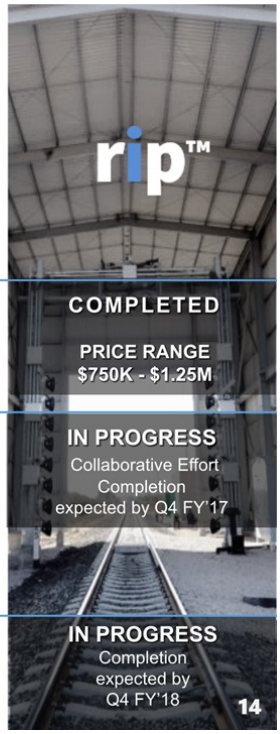
- Developed ultra high definition, high speed Inspection Portal for remote visual **mechanical** inspection

PHASE 2

- Customer is training car inspectors to review cars from a central location using the duostech Rail Inspection Portal
- Develop new work flow for system-wide implementation
- Definition of algorithms to be developed

PHASE 3

- Develop and implement algorithmic applications for automated inspections



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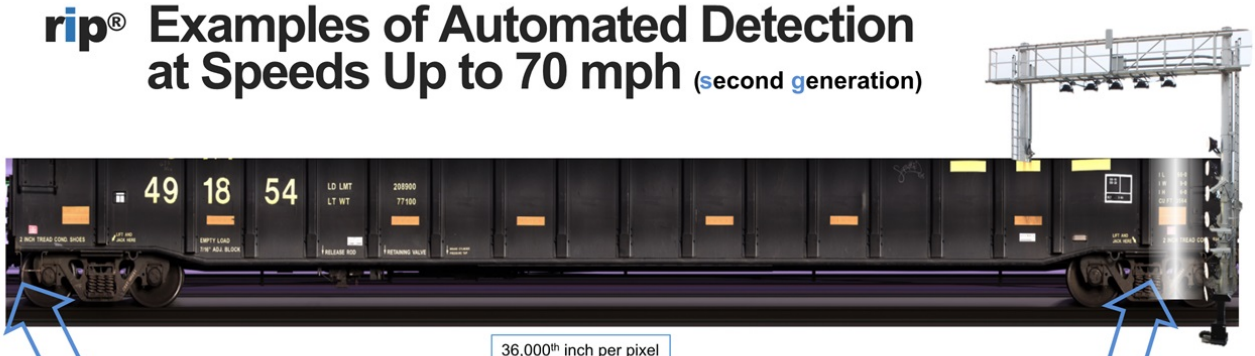
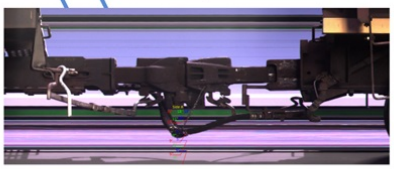
rip® Examples of Automated Detection at Speeds Up to 70 mph (second generation)

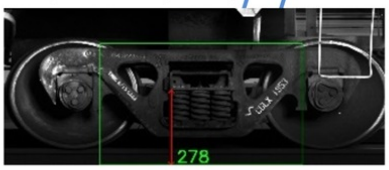


36,000th inch per pixel

Automated detection of out-of-compliance air hoses



Automated measurement and detection of out-of-compliance truck geometry



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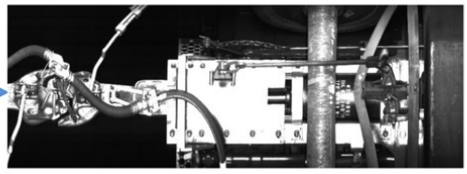
rip® Examples of 360° Remote Detections at Speeds Up to 70 mph (second generation)

vue® Proprietary Vehicle Undercarriage Examiner

vue® system relays undercarriage images to a remote inspector

The vue® system completes the 360-degree view of the entire rail car

The system resolves the difficult process of inspecting railcar undercarriages with high resolution images of the entire undercarriage



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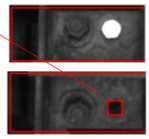
Automated Detection of Missing Bolts

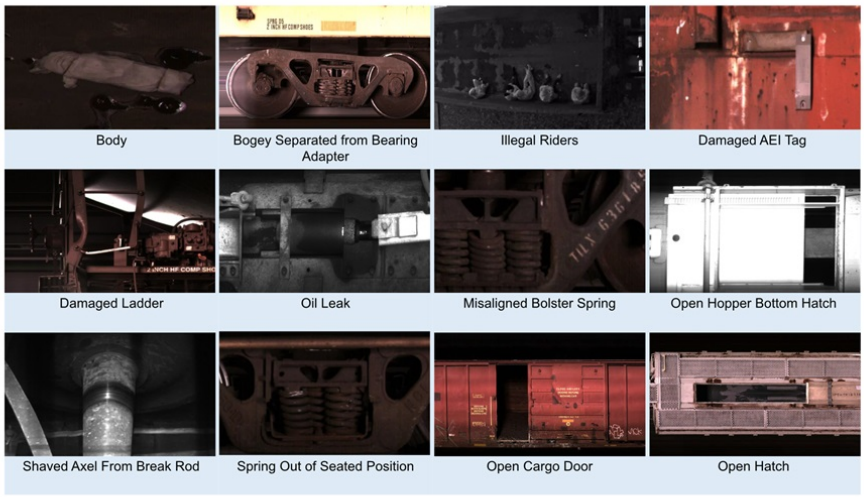
Detects missing bolts on select car types Identifies location within train consist Automatically sends alarm to operators



rip® Examples of 360° Remote Detections at Speeds Up to 70 mph (second generation)

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.



Body | Bogey Separated from Bearing Adapter | Illegal Riders | Damaged AEI Tag

Damaged Ladder | Oil Leak | Misaligned Bolster Spring | Open Hopper Bottom Hatch

Shaved Axel From Break Rod | Spring Out of Seated Position | Open Cargo Door | Open Hatch

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NEURAL NETWORKING
Our Technologies' Future in Intelligent Information Management and Intelligent Analytics

rip® Algorithms for Automated Detection Reduce Inspection Times

Completed

- ✓ Automated identification of structural components (AISC)
- ✓ FOD - Foreign Object Detection (image comparison size of difference filters)
- ✓ Optical Character Recognition (OCR) of railcar number
- ✓ Missing bolt detection - carrier and safety plates (on select cars and types)
- ✓ Cross bearer inspection
- ✓ Open door detection
- ✓ Open/missing hatch detection
- ✓ End of Train (EOT) device not in correct location
- ✓ Car type identification (silhouette)
- ✓ Truck bolster inspection
- ✓ Placard identification
- ✓ Air brake hose height (below 5” or above 9”)

Approximately 50 additional algorithms currently under development, to achieve full automation of the inspection process

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Rail Technologies Under Development

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.

PRODUCT

Automated track intrusion detection for transit passenger rail platforms for transit

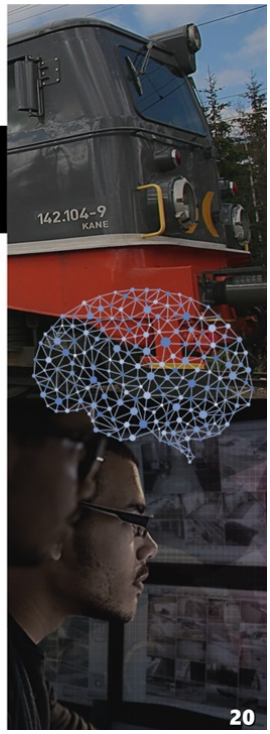
Intelligent grade crossing security

High speed thermal vehicle undercarriage examiner

Automation of pantograph inspection

Automated detections through neural network algorithms and modeling

- Neural networks are computer programs assembled from millions of artificial brain cells that learn and behave in a similar way to human brains
- The system processes information by their response to external inputs, much like the way the human brain works
- It sees an object and then interprets that object. Over time it learns from what it sees



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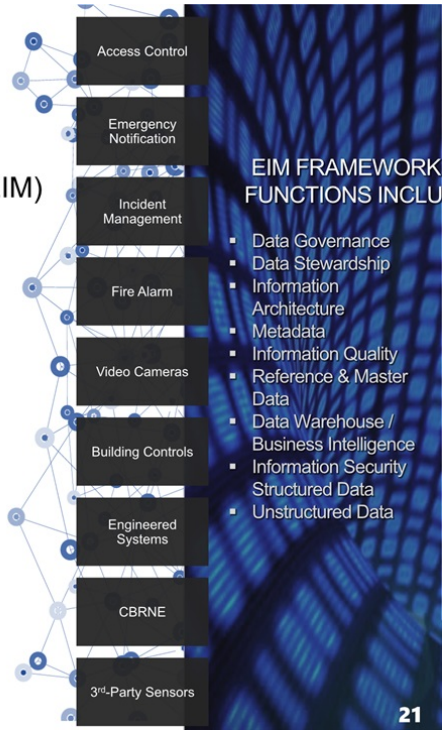
Additional Proprietary Applications

Intelligent Enterprise Information Management System (EIM)

- Intelligent multi-layered Enterprise Information Management system
- Command and control platform with unified user interface
- All Duos proprietary technologies embedded natively
- Seamless integration of unlimited number of third-party applications and controls
- Integrated alarm management
- Automated system check
- Lightweight Directory Access Protocol (LDAP) and Active Directory
- Customer driven concept of operation (CONOPS)



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Additional centraco® Applications

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

PRODUCT

Correctional Facility Automation - Over 1,800 state and federal correctional facilities

- Final stage of completing prototype converting legacy technologies to centraco® smart automation
- Planning to build dedicated business and technical implementation unit

Retail Distribution Center Automation

- Final stage of completing distribution center system prototype for Kohl's - completion scheduled for Q4, '17
- Planning to build dedicated business and technical implementation unit for retail sector

Oil Theft Prevention Technology (under development)

- System to remotely monitor oil and waste water batteries
- Automatically detect intrusions, log and document each event with real time intelligent video
- Instantaneously alert stakeholders

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