



connected intelligence

Smart Solutions

duostech Connected Intelligence innovation offers creative solutions that increase operational efficiency, heighten situational awareness and address your needs instantaneously. Our solutions deliver the platforms you need to streamline workflow, improve processes and utilize technology to disentangle hard-to-solve complications.

duostech intelligent technology solutions are based on our proprietary object detection and behavioral analysis software, **praesidium**[®], and managed by our multi-layered control and management information platform, **centraco**[®]. This allows for seamless integration of a myriad of sensing equipment and leverages technology as a force multiplier to provide you with optimum results.

Our advanced systems provide real-time views of railcars, monitor trains to detect illegal riders, identify missing hatches and open boxcar doors and detect unwanted intrusions on platforms, tracks and rail yards.

Systems are available for remote drawbridge operation and monitoring for piling collisions or for identifying defects on pantographs or undercarriage structural components.

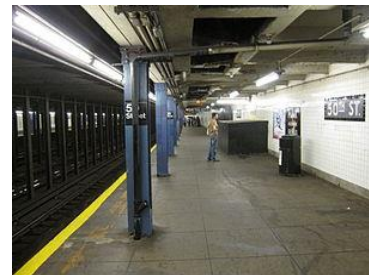
The result: a range of rapid return on investment (ROI) solutions for the railroad industry that enable railroad operators to increase safety, reduce liability, improve on-time performance and increase rail operations productivity.

Transit applications include:

- Platform Safety and Security
- Power Substation Safety and Security
- Station Monitoring
- Third Rail Monitoring
- Storage and Maintenance Facilities
- Pantograph Inspection
- Railcar Inspection
 - Monitoring for Mechanical and FRA Safety Criteria
 - Security - Foreign Object Detection
- Asset Tracking



Tunnel Intrusion



Platform Detection



Collision Impact Analysis

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Duos Technologies Inc. provides a broad range of sophisticated intelligent technology solutions with an emphasis on mission critical applications. We combine an innovative business philosophy with a focus on customer service. Our specialty is the development and delivery of customized turnkey solutions for rail centric critical infrastructure systems.

All products, systems and solutions are backed by a 24 x 7 x 365 global training, maintenance and service program.

Rail Inspection Portal (**rip**[®])

- Rail security and inspection portal at border crossings yards and other inspection areas

Vehicle Undercarriage Examiner (**vue**[®])

- System that provides high resolution imagery from the undercarriages of railcars and other vehicles

Automated Pantograph Inspection System (**apis**[®])

- Intelligent analysis for pantograph defects such as bends, chips and cracks.

Collision Alert Monitoring and Impact Analysis (**camia**[®])

- Records, measures and documents maritime vessel/fixed structure collisions

SMART Yards

- Integrated and distributive digital video and sensor system to leverage the same hardware platforms within a rail yard for multiple applications including operations and security

Remote Bridge Controls

- Provides complete remote control of drawbridges from remote locations. Allows bridge tender consolidation and eliminates the need for on-site personnel

Virtual Security Shield

- Intelligent digital video surveillance system (**vss**[®]) that establishes a secure virtual boundary along the perimeter of any area.

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