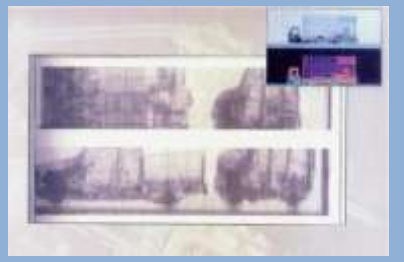
American Association of Port Authorities
2012 Port Security Seminar
& Exhibition

The Future of Security in the I.T. World

The good news is that there are available and emerging technologies that can enhance Seaport security operations and infrastructure in a cost-effective manner — technologies that can provide situational awareness and detect a plethora of suspicious activities TO PREVENT a Security Event.

Louis Noriega
Automated Port Solutions
Physical Security Technology Consultant

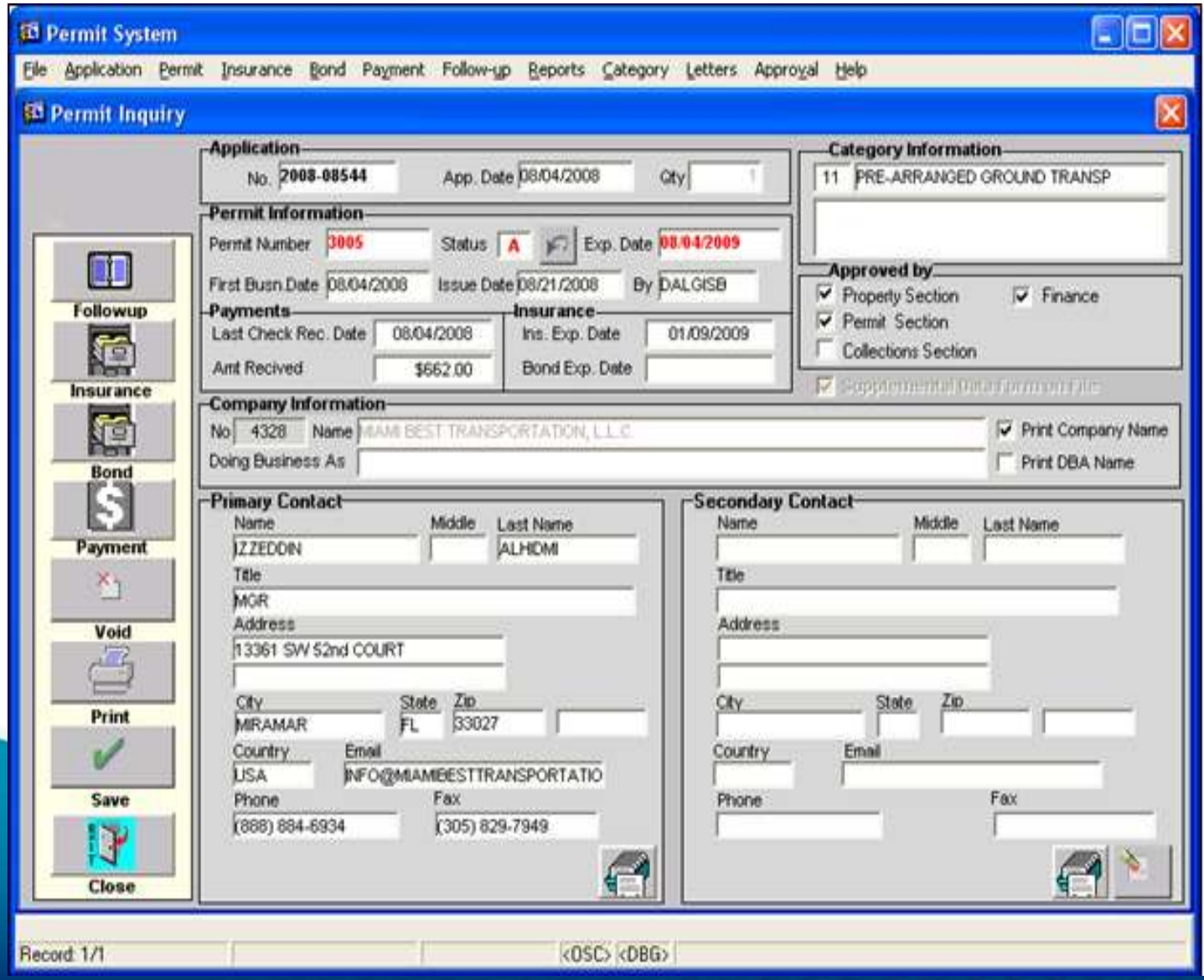
APS
PORT SECURITY & OPERATIONAL SYSTEMS



IDEAS
guess
thought
hint
plan
concept
solution
business
clue
work
aim
thinking
belief
success
innovation

Business Permitting

Business Permit to conduct business at a Port is issued only when the company has paid applicable fees and has submitted proof of liability insurance, and payment guarantee.



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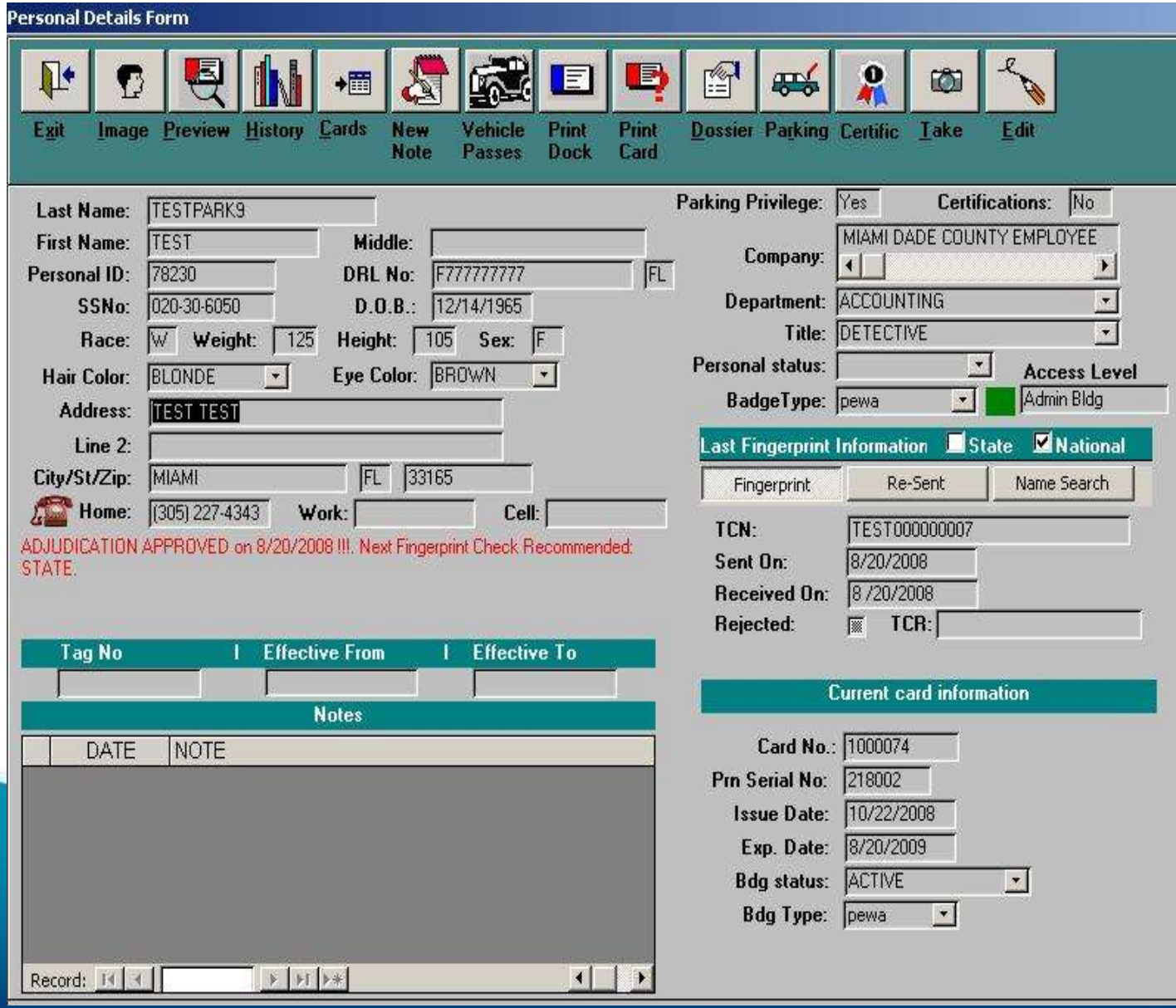
Credentialing

Collects applicant information and grants appropriate access to the seaport facilities via integration with the Commercial-Off-The-Shelf (COTS) Access Control System. Prints badges for permanent employees and visitors. Adjudication module assures badges are issued to fully vetted and authorized persons.



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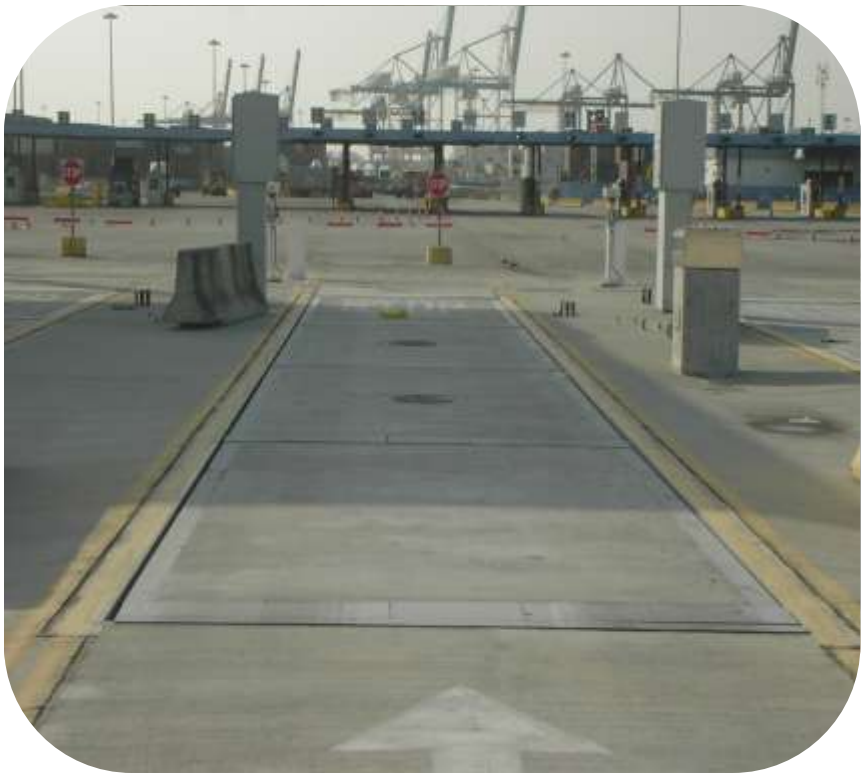
Cargo Gate Vehicle Processing



Cargo Gate Vehicle Processing Security System designed and implemented by the Port of Miami ranks amongst the most technologically advanced Cargo Gate system in the Western Hemisphere. It is used to control access to the restricted cargo areas of the Port.

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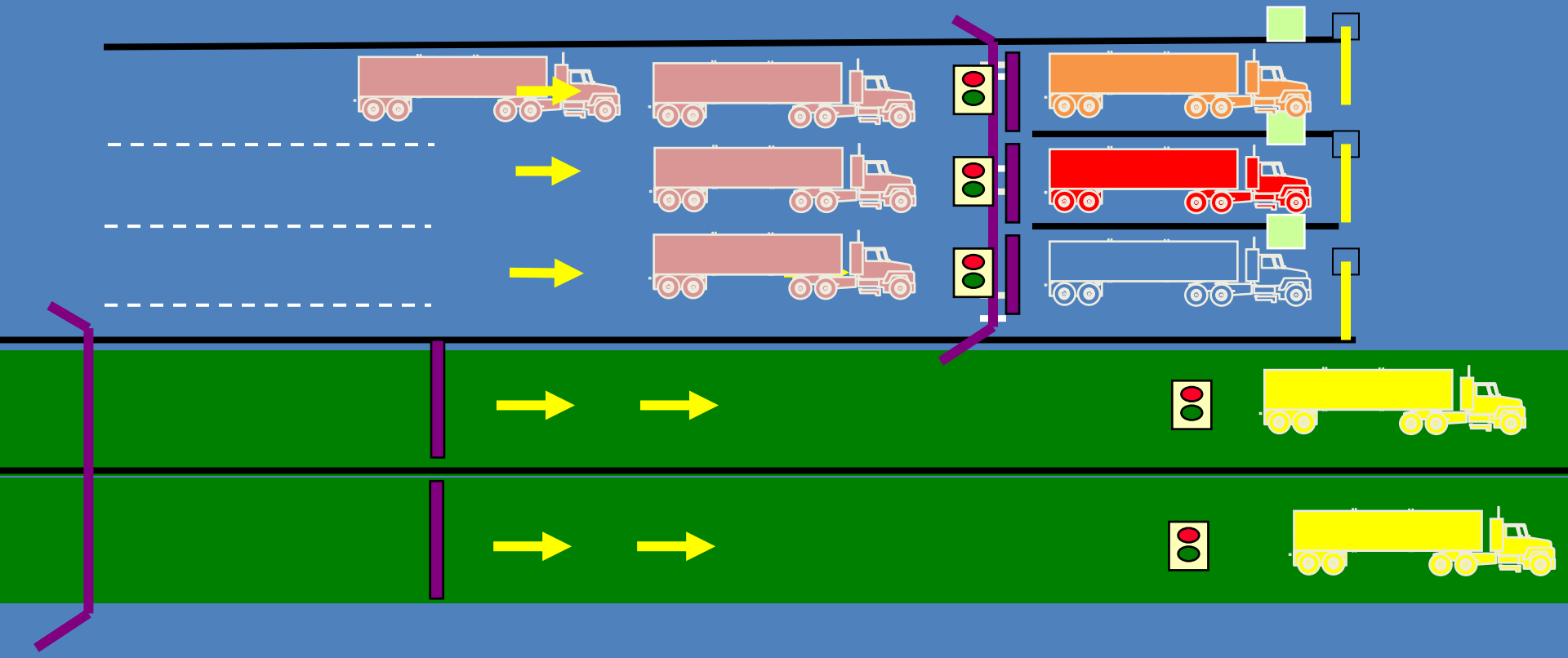
Cargo Gate Vehicle Processing Video

Cargo Gate Green Lanes



Law Enforcement License Plate Recognition

One of the fastest growing applications is the deployment of ALPR systems by law enforcement agencies across the country to identify persons or vehicles whose license plates are connected to a crime or infraction.

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Ground Transportation

Primary detection equipment is installed on a structure which spans the lanes of traffic, thus allowing it to track all commercial vehicles entering and leaving a Port and charge those ground transportation vehicles (Buses, Vans, Limousines, Taxis) with the applicable fees.

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Access Control

Supports over 120 proximity and smart card readers and over 200 sensors. Integrated with the Port of Miami's Credentialing, Parking and Cargo Gate Vehicle Processing Systems

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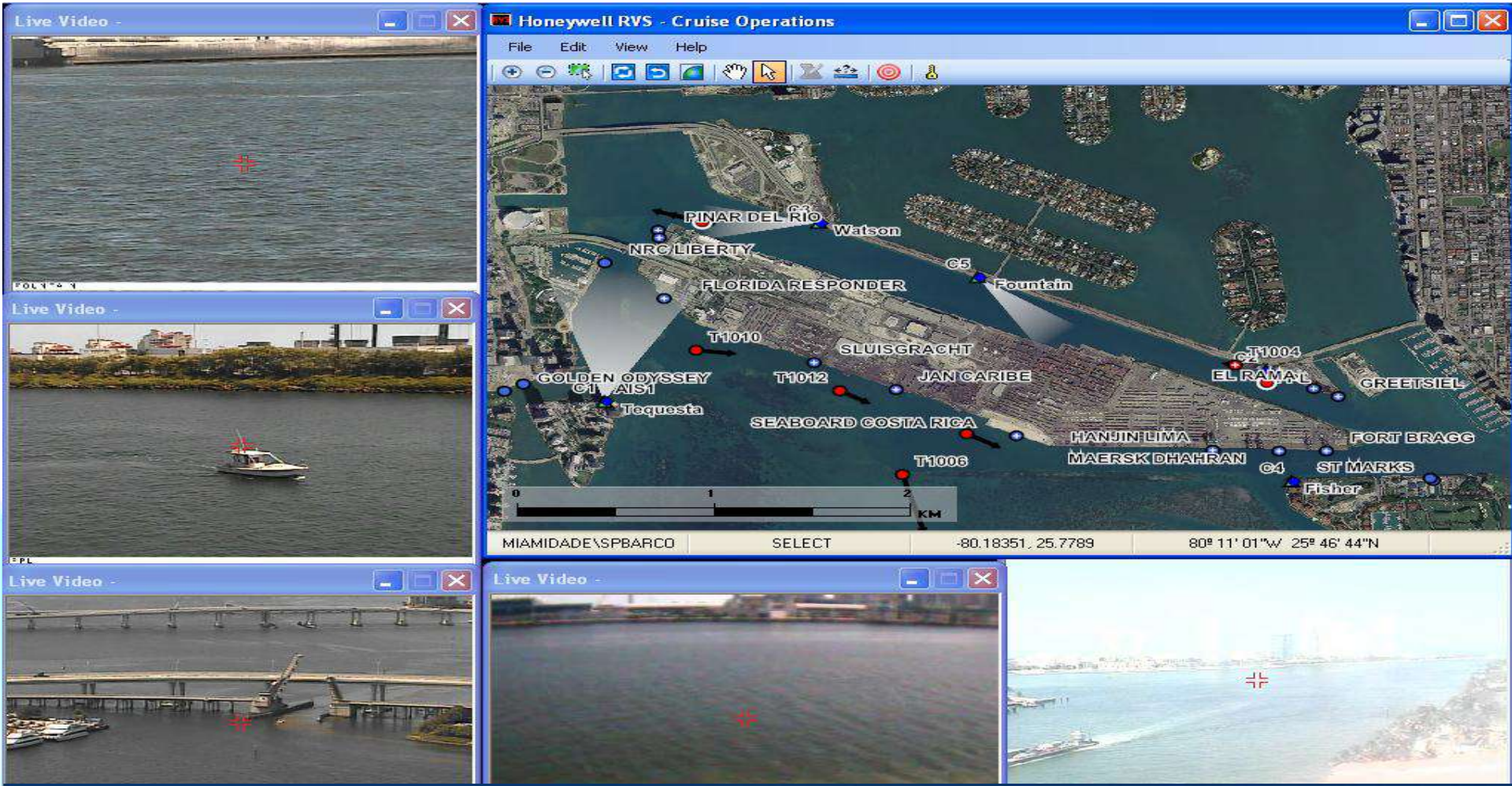
Waterside Radar/AIS Surveillance

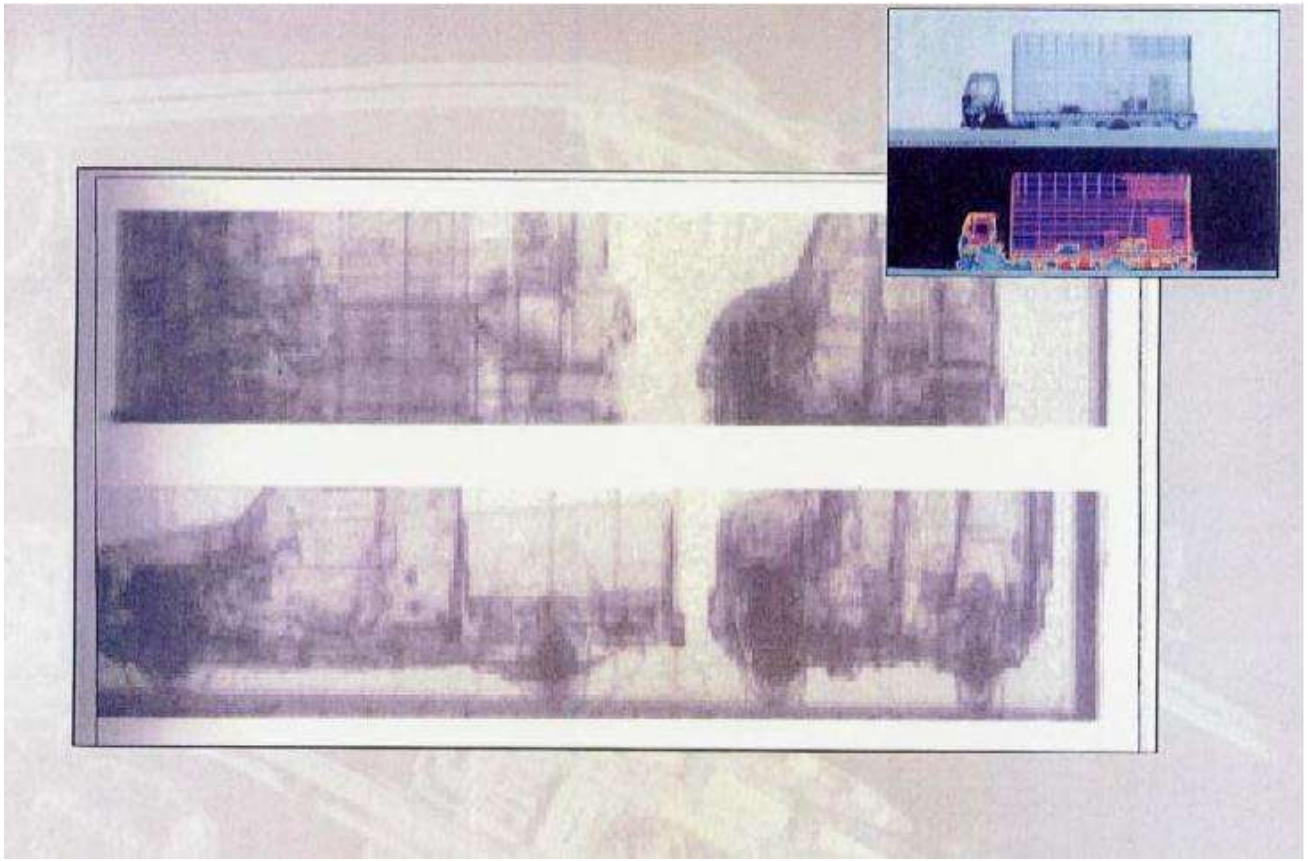
Wide Area Security Systems that integrates Radar, Automatic Identification System (AIS) and Video data to provide the highest value wide area surveillance system available.



Waterside Radar/AIS Surveillance inside Security Boats

Non-Intrusive Gamma Ray Container Scanning

Gamma or X-Ray scanning of a container as the truck exits the inbound cargo gates. Can be used to confirm a container is empty, eliminating the manual process of opening the container doors.



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Mass Notification

Provides real-time information to all building occupants, personnel in the immediate vicinity of a building or open areas during emergency situations. Outside Horns, Intercom, Lighting, phones and user computer devices (PC, Smart Phone, Pagers, etc.) are used to communicate emergency and directions

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Video Management and Analytics

Internet Protocol Video Management Solutions that allow growth of number of Cameras, Video Recorders and Storage.

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Complete and Integrated IP Video Solutions

Collaborative Event Management

Control Room Management

Management Workstation

Decoders

Virtual Matrix

Remote Viewing

PDA Client

Web Client

Video Insights

Video Analytics

Crowd Control

Perimeter Protection

Video Applications

VPO

PTZ Tracking

Multimedia Recording

Smart Video Recording & Storage

SVR 9000 Enterprise-Class Scalable Solution

NVS 1200 External Storage

Hybrid ready Smart Video Recorder

Edge Devices

Encoders

NVE 1008 Eight Channel Encoders

NVE 1002 Smart Indoor Encoder

NVE1002/XT/CA Smart Outdoor Encoder

IP Cameras

Megapixel Cameras

Perimeter Protection

Automatic Advanced Pan-Tilt-Zoom (PTZ) Tracking

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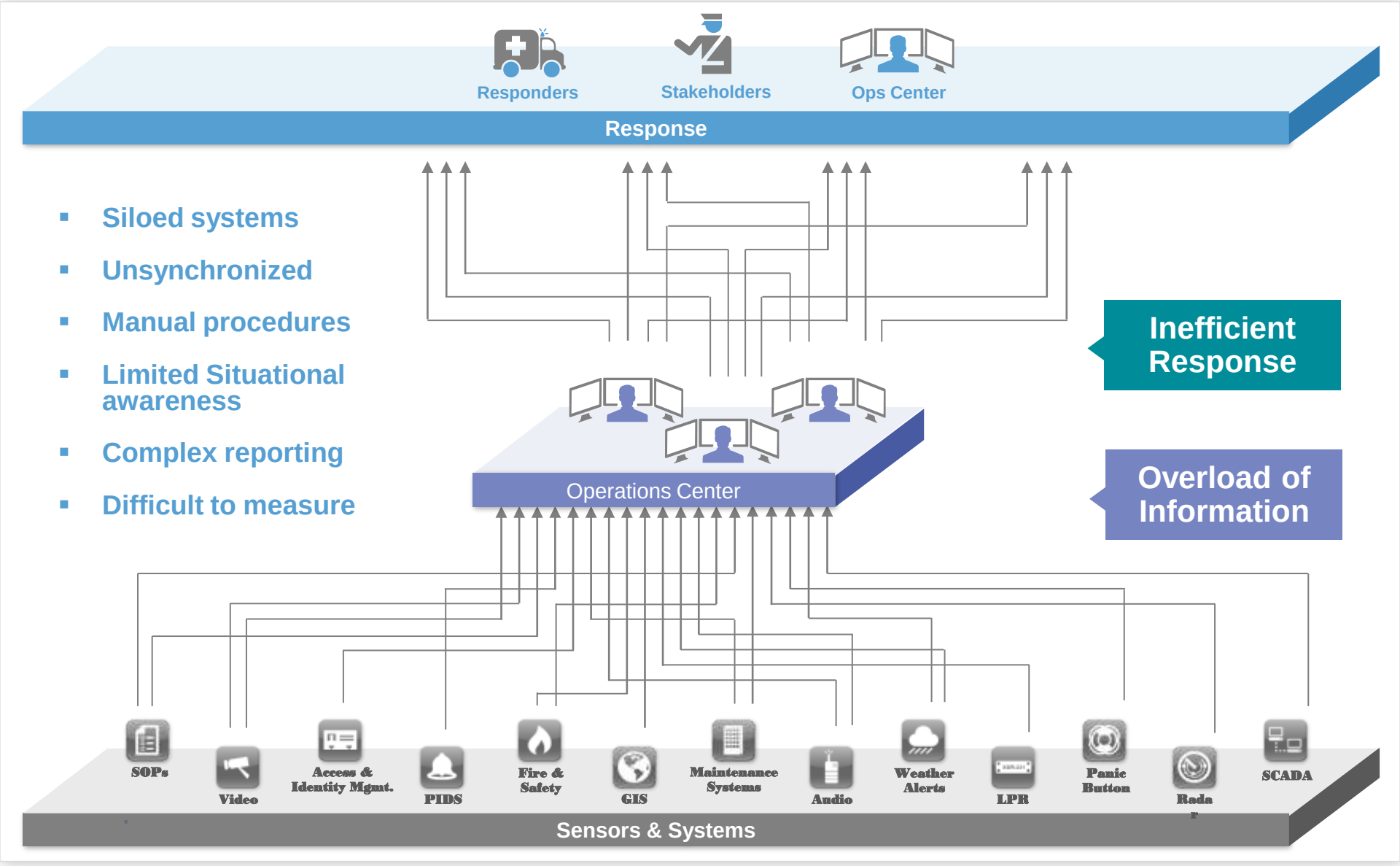
Fixed camera - Intrusion Detection

PTZ camera - Automatic PTZ Tracking

Command and Control Centers
The Situation Today

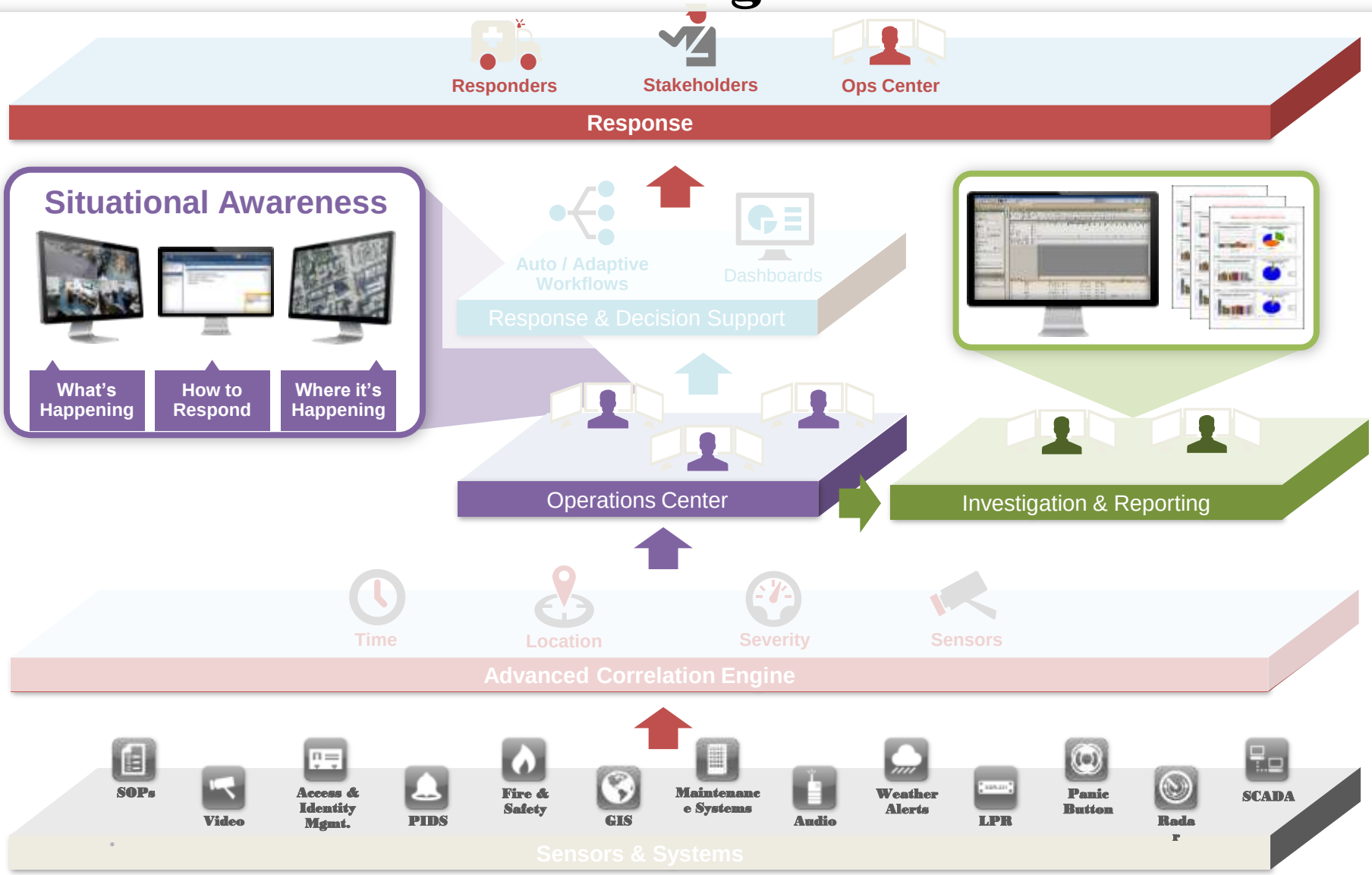


- Siloed systems
- Unsynchronized
- Manual procedures
- Limited Situational awareness
- Complex reporting
- Difficult to measure

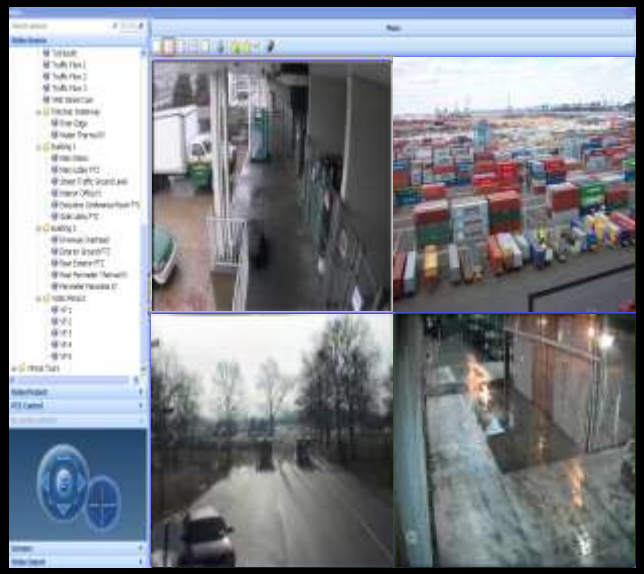
Inefficient Response

Overload of Information

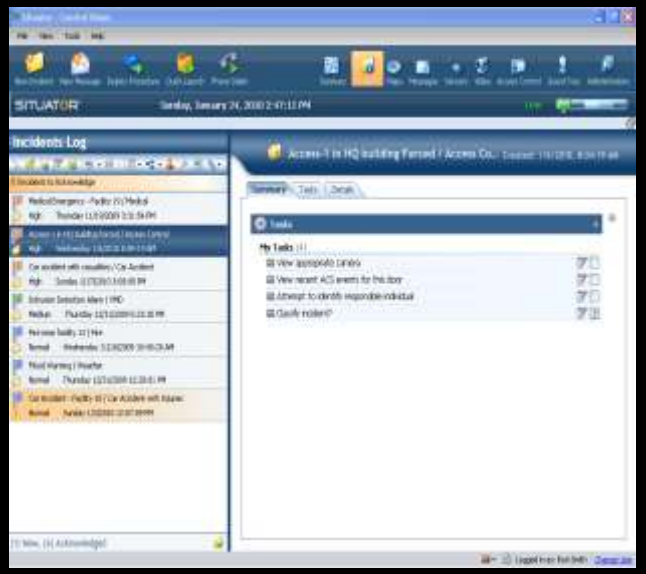
Command and Control Centers
Situation Management



Video Management



Adaptive Response



GIS Visualization

Scenario

For additional information contact

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