

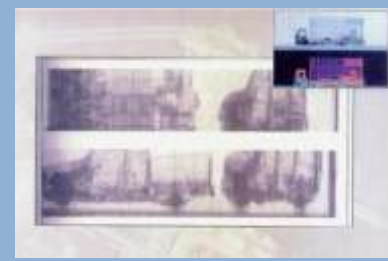
# **American Association of Port Authorities 2012 Port Security Seminar & Exhibition**

## **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***





# 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.

The screenshot displays a web application window titled "Permit System" with a menu bar including File, Application, Permit, Insurance, Bond, Payment, Follow-up, Reports, Category, Letters, Approval, and Help. The main content area is titled "Permit Inquiry" and contains a form with the following sections:

- Application:** No. 2008-08544, App. Date 08/04/2008, City [dropdown]
- Permit Information:** Permit Number 3005, Status A, Exp. Date 08/04/2009, First Busn. Date 08/04/2008, Issue Date 08/21/2008, By DALGISB
- Payments:** Last Check Rec. Date 08/04/2008, Amt Received \$662.00
- Insurance:** Ins. Exp. Date 01/09/2009, Bond Exp. Date [dropdown]
- Category Information:** 11 PRE-ARRANGED GROUND TRANSP
- Approved by:**  Property Section,  Finance,  Permit Section,  Collections Section,  Supplemental Data Form and File
- Company Information:** No. 4328, Name MIAMI BEST TRANSPORTATION, L.L.C., Doing Business As [dropdown],  Print Company Name,  Print DBA Name
- Primary Contact:** Name (J, ZEDDIN, ALHDM), Title MGR, Address 13361 SW 52nd COURT, City MIRAMAR, State FL, Zip 33027, Country USA, Email INFO@MIAMIBESTTRANSPORTATIO, Phone (888) 884-6934, Fax (305) 829-7949
- Secondary Contact:** Name, Middle, Last Name, Title, Address, City, State, Zip, Country, Email, Phone, Fax

On the left side of the form, there is a vertical toolbar with icons and labels for Followup, Insurance, Bond, Payment, Void, Print, Save, and Close. At the bottom of the window, it shows "Record: 1/1" and navigation buttons for "<OSC" and "<DBG".



# 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.

**Personal Details Form**

**Last Name:** TESTPARK9  
**First Name:** TEST **Middle:** \_\_\_\_\_  
**Personal ID:** 78230 **DRL No:** F777777777 FL  
**SSNo:** 020-30-6050 **D.O.B.:** 12/14/1965  
**Race:** W **Weight:** 125 **Height:** 105 **Sex:** F  
**Hair Color:** BLONDE **Eye Color:** BROWN  
**Address:** TEST TEST  
**Line 2:** \_\_\_\_\_  
**City/St/Zip:** MIAMI FL 33165  
**Home:** (305) 227-4343 **Work:** \_\_\_\_\_ **Cell:** \_\_\_\_\_

**Parking Privilege:** Yes **Certifications:** No  
**Company:** MIAMI DADE COUNTY EMPLOYEE  
**Department:** ACCOUNTING  
**Title:** DETECTIVE  
**Personal status:** \_\_\_\_\_ **Access Level:** Admin Bldg  
**BadgeType:** pewa

**Last Fingerprint Information**  State  National  
 Fingerprint Re-Sent Name Search  
**TCN:** TEST000000007  
**Sent On:** 8/20/2008  
**Received On:** 8/20/2008  
**Rejected:**  TCR: \_\_\_\_\_

Tag No	Effective From	Effective To

**Notes**

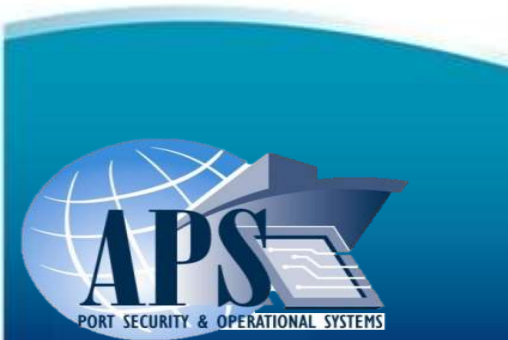
DATE	NOTE

**ADJUDICATION APPROVED on 8/20/2008 !!! Next Fingerprint Check Recommended STATE.**

**Current card information**

**Card No.:** 1000074  
**Prn Serial No:** 218002  
**Issue Date:** 10/22/2008  
**Exp. Date:** 8/20/2009  
**Bdg status:** ACTIVE  
**Bdg Type:** pewa

Record: [Navigation icons]



# Cargo Gate Vehicle Processing

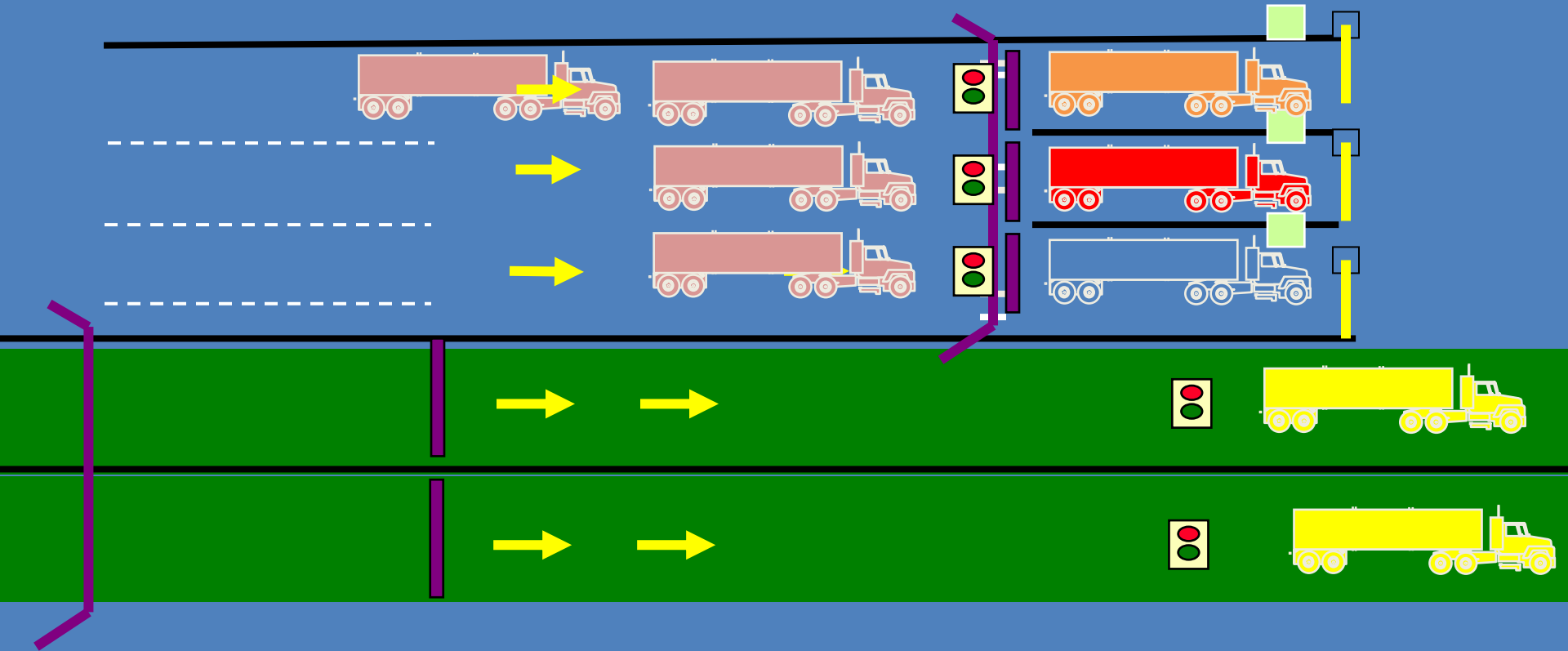


Cargo Gate Vehicle Processing Security System designed and implemented by the Port of Miami ranks amongst the most technologically advanced Cargo Gate system in the Western Hemisphere. It is used to control access to the restricted cargo areas of the Port.

# 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.





# 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.



# Access Control

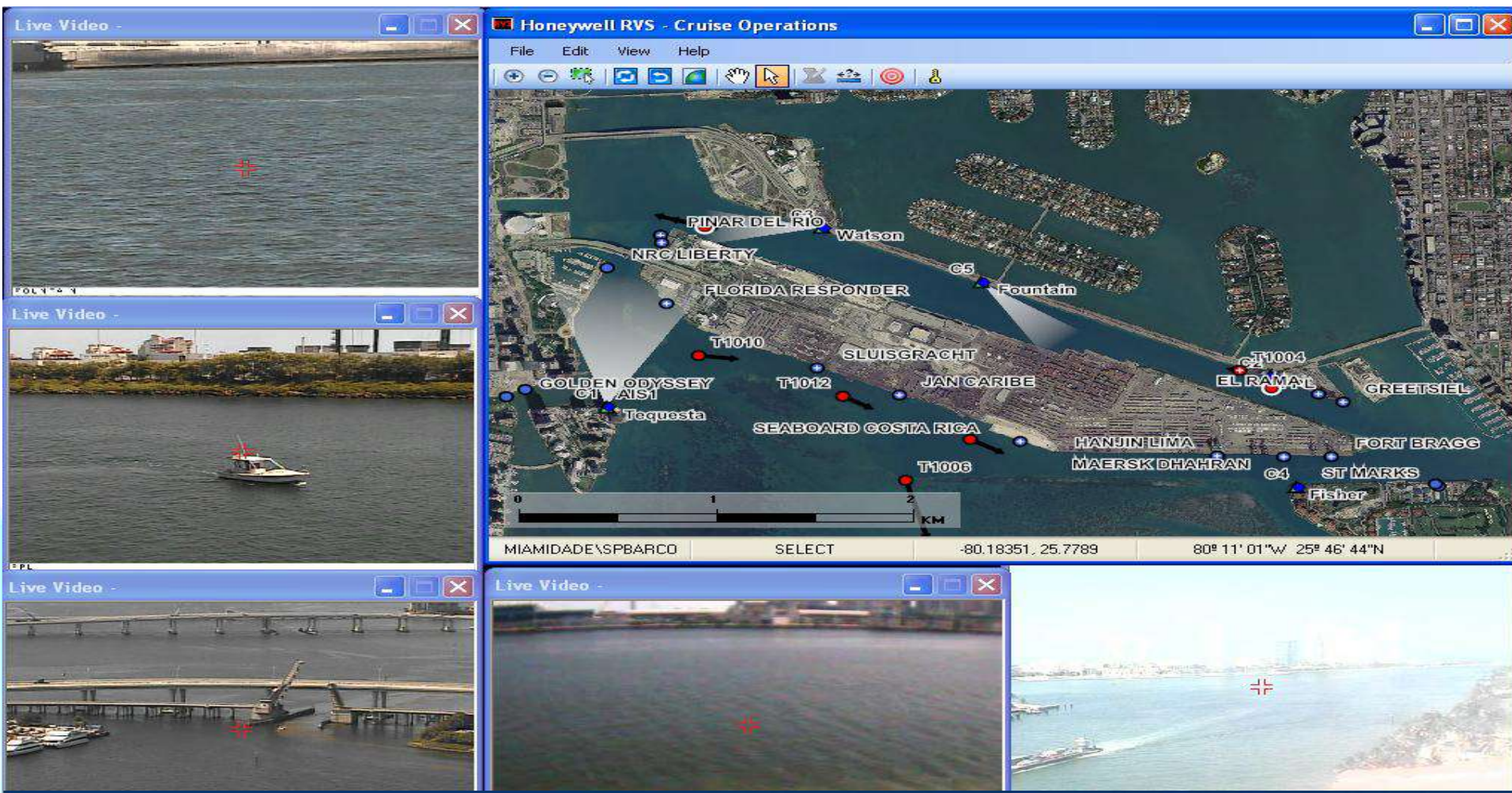
Supports over 120 proximity and smart card readers and over 200 sensors. Integrated with the Port of Miami's Credentialing, Parking and Cargo Gate Vehicle Processing Systems



# 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.

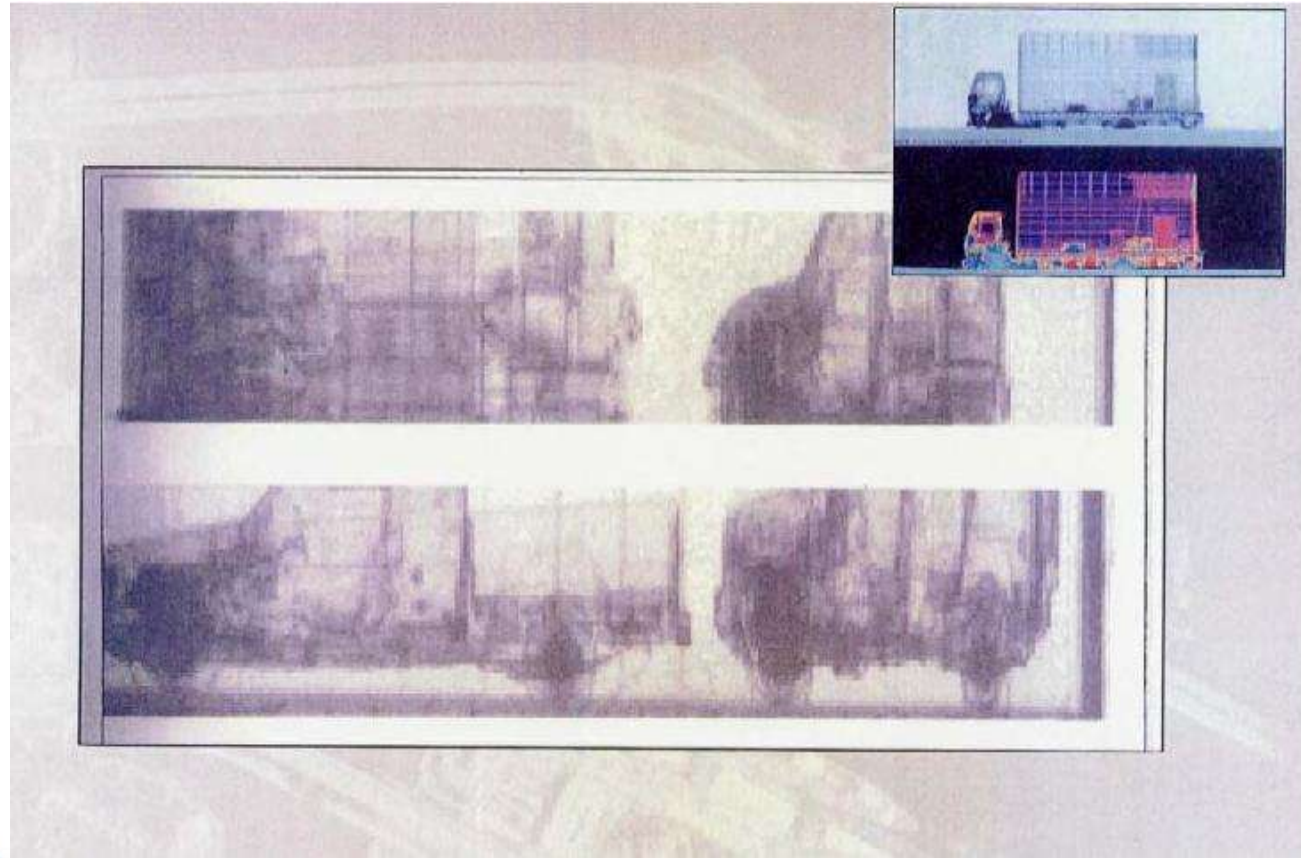


# **Waterside Radar/AIS Surveillance inside Security Boats**



# 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.



# 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



# Video Management and Analytics

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

The screenshot displays the NiceVision Control software interface. On the left is a channel list with 32 entries, each showing a camera icon, a status indicator (red or yellow), and a channel ID (e.g., R209103V005(9)). The main area is a 2x2 grid of video feeds. The top-left feed shows an airport terminal with a red circle highlighting a person. The top-right feed shows a person with a yellow circle highlighting their head. The bottom-left feed shows a train platform with a yellow circle highlighting a person. The bottom-right feed shows a highway with a yellow circle highlighting a car. Below the grid is a control bar with a play button, a status bar showing 'R209103V013 Live x(1) (100%)' and '14 September 2004 20:29:35', and a large red 'ALERT!' button. A tooltip for the alert button reads 'ALARM! Manual on Channel R209103V013'. At the bottom, there are status indicators for '2 Open Alarms' and 'Channel Manual'.



# 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



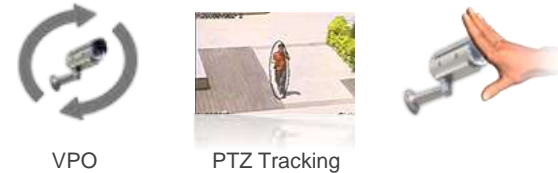
## Video Analytics



Crowd Control

Perimeter Protection

## Video Applications



VPO

PTZ Tracking

## Multimedia Recording



## Smart Video Recording & Storage



SVR 9000 Enterprise-Class Scalable Solution

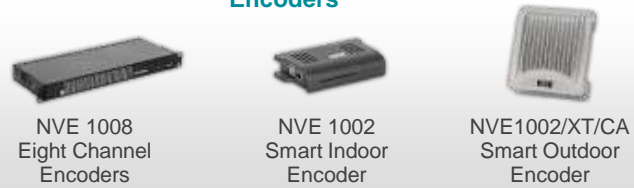
NVS 1200 External Storage

Hybrid ready Smart Video Recorder

## Edge Devices



## Encoders

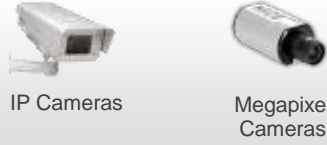


NVE 1008 Eight Channel Encoders

NVE 1002 Smart Indoor Encoder

NVE1002/XT/CA Smart Outdoor Encoder

## IP Cameras

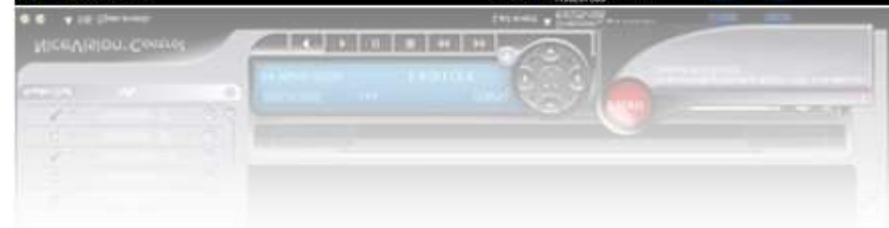


IP Cameras

Megapixel Cameras



# Perimeter Protection





# Automatic Advanced Pan-Tilt-Zoom (PTZ) Tracking

Fixed camera - Intrusion Detection

PTZ camera - Automatic PTZ Tracking



# Command and Control Centers

## The Situation Today



Response

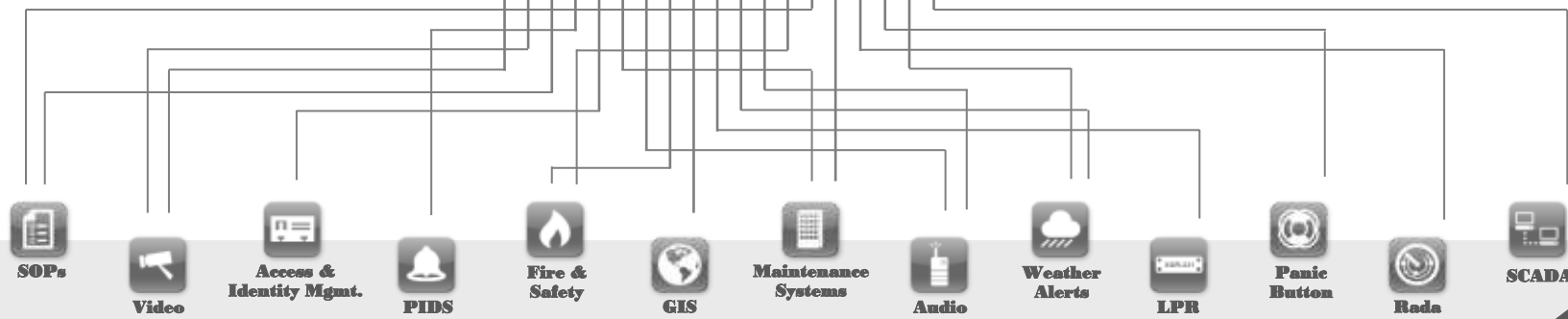
- Siloed systems
- Unsynchronized
- Manual procedures
- Limited Situational awareness
- Complex reporting
- Difficult to measure

Inefficient Response

Overload of Information

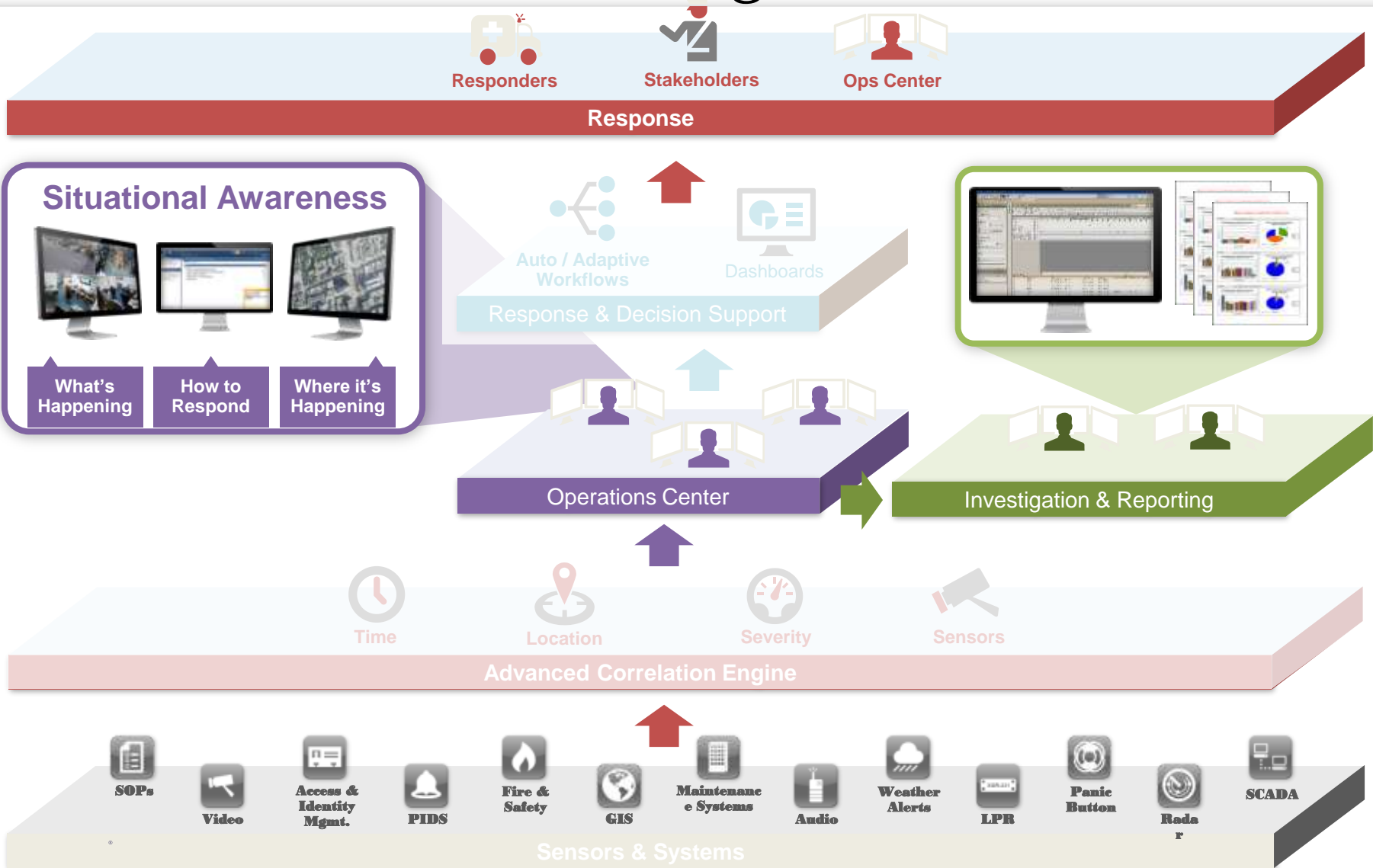


Operations Center



Sensors & Systems

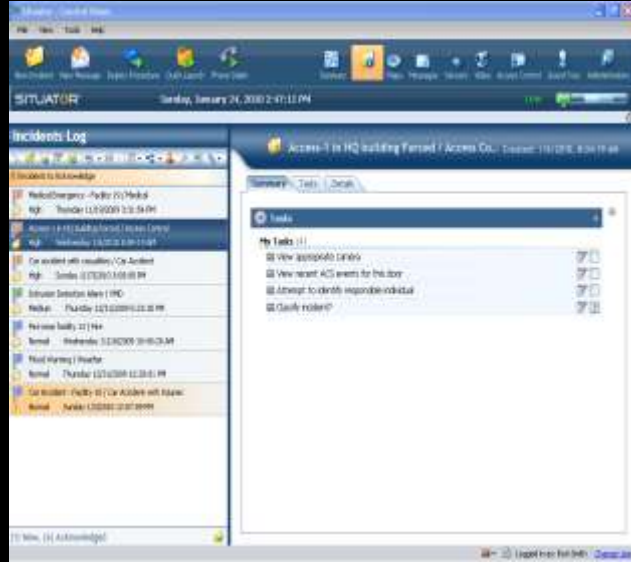
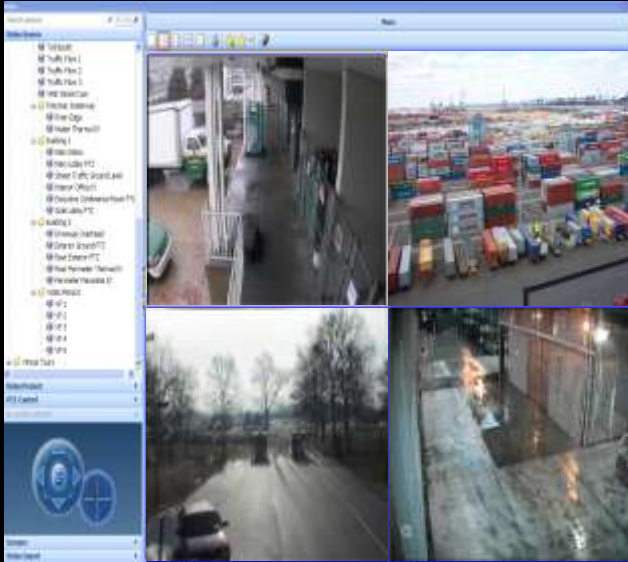
# Command and Control Centers Situation Management



# Video Management

# Adaptive Response

# GIS Visualization





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*305 491-3908*