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.
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.
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 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.
Complete and Integrated IP Video Solutions

Collaborative Event Management

- Management Workstation
- Decoders
- Virtual Matrix

Control Room Management

- PDA Client
- Web Client

Remote Viewing

- PDA Client
- Web Client

Video Analytics

- Crowd Control
- Perimeter Protection
- VPO
- PTZ Tracking

Video Applications

- VPO
- PTZ Tracking

Smart Video Recording & Storage

- SVR 9000 Enterprise-Class Scalable Solution
- NVS 1200 External Storage
- Hybrid ready Smart Video Recorder

Encoders

- NVE 1008 Eight Channel Encoders
- NVE 1002 Smart Indoor Encoder
- NVE1002/XT/CA Smart Outdoor Encoder

Video Insights

- Video Analytics
- Video Applications

Multimedia Recording

- Video Insights
- Video Applications

Edge Devices

- Video Insights
- Video Applications
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

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

Inefficient Response
Overload of Information
Command and Control Centers
Situation Management

Situational Awareness

- What's Happening
- How to Respond
- Where it's Happening

Auto / Adaptive Workflows
Dashboards

Response & Decision Support

Operations Center

Investigation & Reporting

Advanced Correlation Engine

Time
Location
Severity
Sensors

SOPs
Video
Access & Identity Mgmt.
PIDS
Fire & Safety
GIS
Maintenance Systems
Audio
Weather Alerts
LPB
Panic Button
Radar

SCADA

Responders
Stakeholders
Ops Center

Response

Sensors & Systems
Video Management

Adaptive Response

GIS Visualization

Scenario
For additional information contact

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