

# smiths detection

bringing technology to life

## Customer Success Story

### FirstView X-Ray

### Ports and Borders Remote X-Ray Analysis



**U.S. Government officers remotely monitor, survey, and control the inspection and screening processes of containers coming from high-threat sea ports**

#### Executive Summary

**Customer Name:**  
US Government

**Business Challenge:**  
Eliminate the need for U.S. Agents to be present at high-threat ports.

**Smiths Solution:**  
**FirstView®** Sensor Management Solution integrated with **CAB 2000 Mobile** X-ray Inspection System and Area Surveillance Cameras.

**Business Value:**  
Allow foreign containers destined for the United States to be remotely monitored by local U.S. government agents.

Mitigate the threats associated with having U.S. agents in high threat countries.

Seaports in high-threat countries often preclude stationing of U.S. Government Officers at the site. These high-risk areas require the installation of cargo container screening systems that enable remote viewing and examination of containerized cargo before it is shipped to the United States.

#### Business Challenge

Deploy a remote, high energy X-Ray & wide area surveillance network at high risk seaports and simultaneously transmit all data in real-time to offsite monitoring locations. This cargo container screening system must permit officers to monitor, survey, and control the inspection processes of cargo containers safely from the United States (or at any authorized remote location) -- from the time the containers enter the targeted inspection area, to the time it is loaded on the ship.

The cargo container screening system consists of three key technologies:

1. Live area surveillance video: system capabilities include live video feeds transmitted for monitoring the inspection process and providing real-time feedback and recording for direction to local inspectors in the field.
2. Radiological screening and radiographic imaging equipment.
3. Tagging/tamper-proof monitoring equipment.

### Smiths Detection Solution:

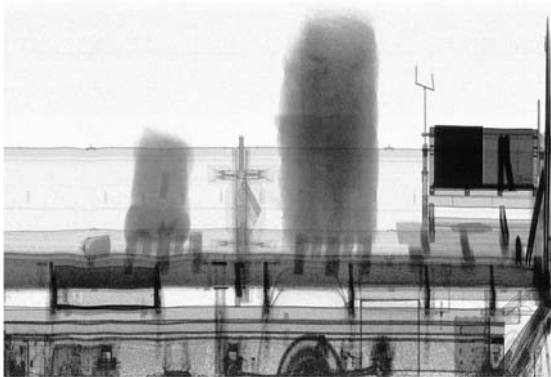
As a leading provider of integrated turnkey security solutions, Smiths Detection leveraged the versatility of the **HCV CAB 2000 M** non intrusive X-Ray inspection system along with the **FirstView**<sup>®</sup> networked based sensor management system to allow local and remote operators to view and control area surveillance cameras and X-Ray images.

### HCV CAB 2000

**HCV CAB 2000 M** is an X-ray inspection system designed for the detection of illegal materials inside trucks and sealed containers for custom applications. Powerful penetration combined with low radiation dosage make the **HCV CAB 2000 M** an excellent mobile X-ray tool. The system consists of two parts:



1. Operation module: based on a 20 ft. container platform
2. Transport module: which is a standard road transport vehicle equipped with a swap body platform (Class C 745, EN 284).



The system configuration allows for a fast inspection procedure of the cargo without the need to open the container or truck. The mobile concept of the system allows the integration into nearly every existing examination concept and infrastructure. System setup as well as dismantling takes less than one hour. Due to extremely limited down time the system supports

especially short-term requirements that arise at various locations as part of the inspection strategy.

## FirstView® Sensor Management System

At the heart of the system is the Smiths Detection software, **FirstView®**. The software provides situational awareness of layered sensor networks to authorized users, supporting early detection and reporting from thousands of camera/sensor feeds. This open architecture system supports a wide range of robotic visible and thermal camera packages, sensors, digital video recorders, and traditional CCTV equipment.



**FirstView®** is a web application based system enabling interoperability between command and control personnel for the purpose of integrated incident management. Through its hierarchical management system, users are assigned security levels to share data with other authorized agencies via standard PC's or wireless handheld devices. Whether transmitted by fiber or wireless connections, the networked camera and sensor feeds can be distributed to authorized users without requiring any proprietary hardware or software – just a standard PC with a web browser. All of this is encrypted using Secure Socket Layer (SSL) in the browser.

### Business Value:

- Supports U.S. Government security initiatives to mitigate risks associated with deploying agents in high risk countries
- Increases the ability to intercept containers that may pose a risk for terrorism before they reach U.S. shores
- Facilitates the smooth movement of legitimate trade
- Provides large-scale non-intrusive inspection (NII) systems (minimum  $^{60}\text{Co}$  or 2.5 MeV)
- Enables Real-time viewing/examination and video archiving

### For more information or to schedule a demonstration contact:

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