

## eVelocity Integrated Security Screening Software Suite™

Centralized Remote Screening | Remote Monitoring |  
Automated Threat Detection | Process Automation | Data Analytics

### Facing the challenge of checkpoint security operations

Managing security screening operations at the checkpoint has become a demanding task over the past years.

The growing number of threats, such as liquid threats, combined with an overwhelming amount of visual information produced by sophisticated screening equipment has added more complexity to screening operations, impacting throughput and operational costs.

Other operational and management challenges remain since no real-time integrated information from the checkpoint is available: operations and system management, among others, remain isolated processes.

### Introducing eVelocity: Moving toward centralized remote screening

eVelocity brings innovative value-added capabilities to screening operations.

Based on the latest web services and inspired by the concept of service-oriented architecture (SOA), eVelocity provides a unique

central repository for all images and data from multiple vendors X-ray systems, allowing airports to optimize their screening process and facilitate their operations management, remotely and in real-time.

eVelocity enables remote screening with real-time centralized image and alarm resolution capabilities. eVelocity also enables airports to remotely monitor their screening operations in real-time, with status updates on all lanes and scanned images available through tablets or other portable equipment. eVelocity also allows for unique system management with system health monitoring and data analytics.

eVelocity provides more capabilities to cabin baggage screening process automation through the use of Optosecurity automated threat detection algorithms including EU Certified Type C LEDS OptoScreener® and XMS® Software Suite.

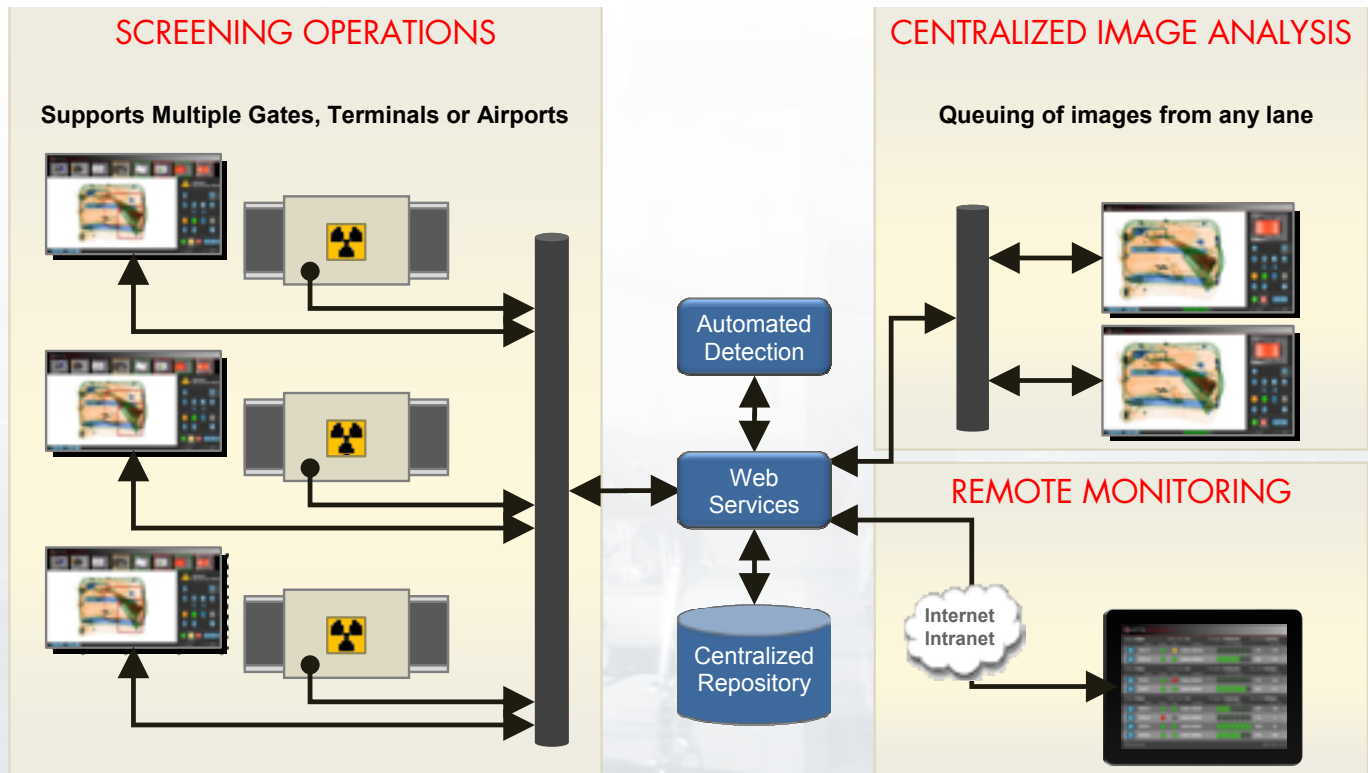
### Improving Efficiency of Screening Operations

The eVelocity ISS software suite improves the overall efficiency of screening operations and related support activities while reducing their costs. The solution uses queuing services to generate potential productivity gains from a better resource allocation and workload balance, and to increase throughput.

## Redefining the checkpoint business process: The eVelocity ISS software suite concept

The eVelocity ISS software suite consists of taking advantage of networks and related technologies to streamline the security screening process. Its main objective is to enhance security screening operations and related support activities by monitoring and managing processes, operations and systems with centralizing data and resources in a single remote location.

eVelocity includes numerous business layers: centralized remote screening, remote monitoring, automated threat detection, process automation and data analytics, each contributing to productivity gains and better throughput.



At the checkpoint, the screening of passengers is taking place in one or several lanes, with possibly numerous checkpoints, terminals or airports, with all X-ray data being fed into the network through a centralized repository.

From this repository, images and data are being used by security screeners for image analysis, now being executed in a remote screening room via a queue manager on a first-in first-out based-model, away from any distractions.

With an optimized checkpoint layout and the use of peripheral equipment and software, including the XMS® Threat Detection Software Suite, all scanned

items are tagged clear or marked by the remote screeners and sent to checkpoint security guards. This automated process enables to proceed promptly with alarm resolution for the marked items only at the inspection station. Passengers with clear items can promptly be dispatched to the terminal.

eVelocity also provides detailed lane information and dashboards to security managers remotely from the checkpoint using portable devices such as tablets, phones or portable computers. Such remote monitoring capabilities facilitate operations management, including the process and performance monitoring and the TIP management.

More, the eVelocity suite enables to better monitor and manage the security network and the system. The solution provides system alert, logging and archiving, system health monitoring and other functionalities that allow for the creation of a network operations center, data warehousing and remote system diagnostic and maintenance.

With its analytic capabilities, eVelocity will provide metrics collection, post processing analysis and process simulation to be used for data mining, process optimization, training standards and reporting.

## eVelocity Image Analysis and Alarm Resolution

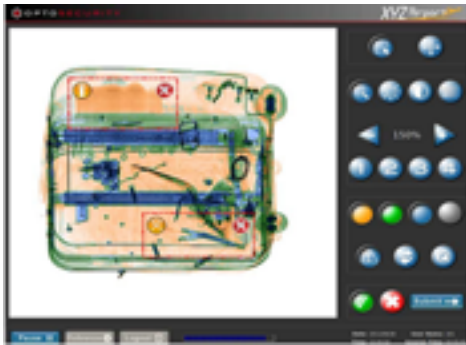


Image Analysis

From a centralized repository, eVelocity converts the X-ray raw data into vendor agnostic images using first-in first-out queue management. This allows for remote image analysis using a clear - mark bag or tray decision model. Any bag or tray marked for inspection is automatically displayed at the checkpoint for alarm resolution (recheck).



Alarm Resolution

## eVelocity Remote Monitoring



Dashboard

eVelocity includes remote monitoring capabilities for real-time lane status and scanned images now available remotely through web browsers such as portable computers, phones and tablets. Detailed operations data is available in real-time, anywhere.



Lane details

## Feature Highlights

The eVelocity suite increases screening operations efficiency while reducing the overall security operations costs. eVelocity allows performing networked screening operations from a centralized location to perform remote image analysis of live operations, allowing quick alarm resolutions at the checkpoint. Remote monitoring of such live operations can be done anytime, anywhere.

eVelocity enables to better control, manage, monitor and report, generating potential productivity gains.

- Optimization of resources and improvement of productivity
- Streamlined screening process with less interruptions
- Facilitation of operations management through real-time live monitoring of screening operations
- Automated threat detection capabilities to complement visual analysis by the screeners
- Better-suited work environment and less distraction, improving image analysis and decision quality
- Traceability
- Improved efficiency in system maintenance with remote system health monitoring
- Flexible architecture based on web services making the solution accessible at all time anywhere
- Fully scalable, local or regional networked distributed architecture
- Generic, vendor-independent GUI across X-ray screening devices from different vendors allowing single work environment and lower training costs



## eVelocity Integrated Security Screening Software Suite



The eVelocity software suite leverages unique tools designed by Optosecurity for cabin baggage screening at the checkpoint:

- Centralized checkpoint screening
- Remote checkpoint monitoring
- Automated threat detection algorithms, with EU Certified Type C LEDS
- X-ray raw data format based on open standards allowing use with most systems

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