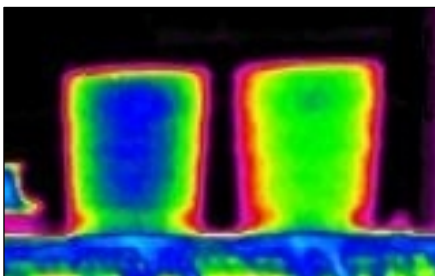


VACIS® IR6500 integrated railcar inspection system

High-energy X-ray imaging, radiation detection and RFID for railcars
A fast, integrated inspection solution — for security and commerce



The VACIS IR6500 system helps inspectors spot weapons and other contraband in railcars. This color-enhanced VACIS image shows two different substances in barrels.

The VACIS IR6500 integrated railcar inspection system is a powerful, practical solution for high-volume scanning of railcars and containers on rail.

The VACIS IR6500 system uses high-energy X-ray technology to produce detailed images of railcar contents, even through heavy shielding. At the same time, the system scans each car to identify and locate nuclear material. Its RFID tag reader identifies each car. And its database component integrates and displays scanning images and data on demand.

Built for high throughput, the system can scan more than 150 railcars per hour. With its small footprint and low radiation dose, the system can be used in very limited space. And by revealing weapons, nuclear material and other contraband, the system can greatly reduce the need for costly manual inspections.



SAIC's patented technology produces high-quality images with a very low radiation dose.

A powerful, practical scanning solution for rail cargo

The VACIS® IR6500 system combines powerful scanning technologies in a fast, compact unit.

- ◆ **High-energy X-ray imaging.** The VACIS IR6500 system can reveal threats and contraband through more than a foot of steel. And its low radiation dose increases safety and reduces space requirements.
- ◆ **Radiation detection.** The system can detect and locate even heavily shielded SNM with a false alarm rate of less than 1 in 10,000 — meeting or exceeding the challenging ANSI N42.35-2006 standard.
- ◆ **RFID.** The system automatically identifies railcars and containers as they are scanned. The system reads Association of American Railroads (AAR) S-918 RFID tags, the standard for all railcars in North America.

The system quickly integrates the scanning images and data for each railcar. Security personnel can review the images and data at any time.

Fast and compact

The system can scan more than 150 railcars per hour as trains pass through. And with its low radiation dose, it can be used in a space only slightly larger than the system itself.

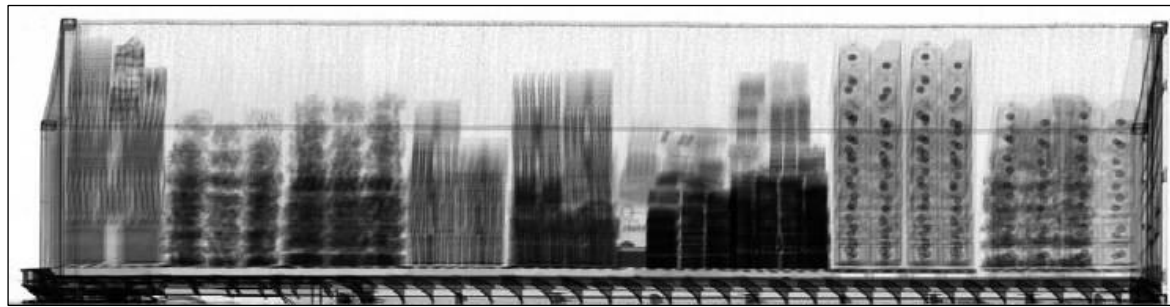
SAIC – a world leader

SAIC has provided hundreds of VACIS systems for customs, security and military applications around the world. Every VACIS system is backed by SAIC's global installation, training, maintenance and technical support.

Key features

- High-energy X-ray imaging
- Sensitive radiation detection with a very low false alarm rate
- RFID railcar identification
- High throughput — over 150 railcars per hour
- Fast data integration and display
- Small operating space, no external shielding
- Low radiation dose for safety and small footprint

The VACIS IR6500 system produces high-quality images through more than a foot of steel.



SAIC Security and Transportation Technology

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