



Safeguarding Ports & Borders

Border authorities rely on our advanced technologies to effectively search containers, vessels, and vehicles crossing in the face of ever-increasing trade volumes.

Ports and border security professionals and customs authorities are the first line of defense. They require stringent controls to monitor the flow of imports, exports, and transit traffic while under increased pressure to provide faster clearance times, with fewer resources available.

Implementing the correct solutions is essential to providing efficient and non-intrusive inspections while locating and mitigating threats, contraband, smuggling banded goods, narcotics, and human trafficking.

Our Approach

Leidos solutions safeguard ports and borders worldwide against threats and illicit materials without restricting the efficient movement of legitimate trade elements, including cargo, vehicles, and people. Our solutions deliver the most advanced screening technologies, open architectures, and Artificial Intelligence/Machine Learning (AI/ML), enabling law enforcement inspectors to detect and intercept threats effectively.

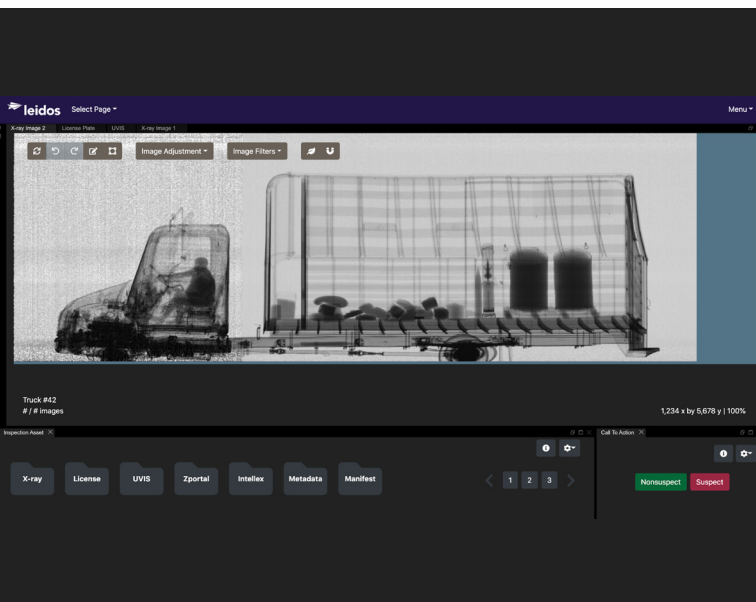
We help our customers optimize their customs and security operations with a full-spectrum approach. We offer needs analysis, site planning, project management, customization, installation and testing, training, maintenance, and global 24/7 support in more than 120 countries. Leidos is recognized for its focus on collaborative research and development, working with regulatory agencies and ports and border authorities to deploy the latest advancements in security technology.

Whether the project involves a single system or a multi-site, cross-platform integration, we start with a thorough understanding of the customer's challenges and requirements. Our team of experts resolve tradeoffs between system capabilities, application requirements, operational necessities and recommends solutions that integrate smoothly with existing operations and infrastructure. Our broad expertise spans early gamma-ray systems to the forefront of innovative, low-dose X-ray screening mechanisms with advanced AI/ML algorithms that automatically identify potential threats, Leidos provides the ideal solution for your mission.

Our Capabilities

With more than 24,000 systems deployed worldwide, Leidos develops and manufactures products used by the aviation and transportation industries, government and law enforcement agencies, and commercial and other high-security facilities to screen vehicles, baggage, cargo, and packages.

Designed to intercept explosives, firearms, drugs, contraband, and other threats, our screening products incorporate a variety of proven technologies — 3-D computed tomography; automated, multi-energy X-ray with material discrimination; active millimeter-wave imaging; metal detection; and energetic materials detection for trace explosives.



UNIFIED FRAMEWORK

Our common application framework and user interface is a scalable, networkable, operational tool specifically developed for port, border, and security applications. This solution allows customs and security operations to leverage their existing infrastructure, increase efficiency, lower resource costs, and extend the useful life of diverse multi-vendor legacy screening systems.



EXPLORANIUM®

The EXPLORANIUM SRPM-210 advanced radiation portal monitor (RPM) uses our unique passive scanning technology to detect, locate, and categorize nuclear material in cargo containers, trucks, and other vehicles in the normal flow of checkpoint traffic. By automatically distinguishing potential threats from benign material, the system significantly reduces the need for costly, time-consuming secondary inspections.



RAILVIEW®

RailView is Leidos' digital video recorder for locomotives, similar to an airplane's "black box" or flight recorder. RailView delivers tracking and recording capabilities to help improve efficiencies through operations and support legal adjudication of rail crossing incidents.

VACIS®

VACIS is a product line of advanced inspection systems designed to inspect cargo transported on trucks, in passenger vehicles, cargo containers, and parcels. We have developed a variety of VACIS systems to meet the needs of various government agencies, such as fixed portal systems for high-volume border crossings, mobile systems for seaports and airports, military units on Humvees, and rail systems. Our VACIS® product line includes:



VACIS® M6500 MOBILE INSPECTION SYSTEM

The versatile, compact VACIS® M6500 system scans trucks, cargo containers, cars and other vehicles. The system is a compact mobile platform, mounted on a lightweight commercial truck chassis, being able to work in tight spaces and can be driven on ordinary roads, typically without a commercial driver's license. The compact system can scan occupied vehicles, scanning over 150 vehicles per hour.



VACIS® IP6500 FULLSCAN INTEGRATED CARGO INSPECTION SYSTEM

Leidos' VACIS® IP6500 FullScan system is a powerful, practical solution for scanning cargo containers, trucks and other vehicles in high-volume operations. Its X-ray imaging and radiation scanning help security personnel intercept weapons, nuclear material and other contraband hidden in containers. It can scan entire vehicles, bumper to bumper and roof to tires, including occupants. And with its high throughput, small footprint, and minimal civil works requirements, the system is ideal for seaports and other high-volume cargo facilities.



VACIS® XPL AND XPL PLAZA PASSENGER VEHICLE SCANNING SYSTEMS

The VACIS® XPL and XPL Plaza systems scan passenger cars and other light weight vehicles to help security personnel search for weapons, explosives, drugs and other threats. The systems scans entire vehicles bumper to bumper in seconds as they drive through without stopping. Detailed images reveal even small items such as handguns, and color coding highlights explosives, drugs and other organic materials. The system's low X-ray dose allows drivers and passengers to remain in the vehicle while it is scanned, enabling the system to scan over 150 vehicles per hour in the normal flow of checkpoint traffic.



VACIS® IR6500 INTEGRATED RAILCAR INSPECTION SYSTEM

The VACIS® IR6500 integrated railcar inspection system helps trained operators see the contents of closed, moving railcars, assisting them in intercepting weapons, contraband, and other items of interest and verifying shipping manifests. The system's small operating footprint, makes it an ideal choice for limited space scanning in challenging environments such as remote border crossings and railways. The powerful solution for high-volume scanning of railcars and containers on rail. The system uses high-energy X-ray technology to produce detailed images of railcar and container contents, including dual-energy material discrimination of organic threats. At the same time, the system can scan each railcar or container to detect, locate and categorize nuclear material. A radio frequency identification (RFID) tag reader identifies each railcar. Scan data is integrated and displayed on demand.



PORTABLE DIGITAL X-RAY SYSTEMS: RTR-4®

The RTR-4 system is designed to help law enforcement, military, customs, and security personnel search for explosives, weapons, narcotics, and other contraband. The system can reveal the contents of parcels, baggage, boxes and crates, vehicle tires and body panels, aircraft walls and wings, building walls, and many other targets.

Proven Success

- ▶ The U.S. Customs and Border Protection agency relies on Leidos' innovative solutions for their commercial, rail, and passenger scanning operations to meet their mission objectives
- ▶ Leidos is the leading supplier of radiation portal monitors for U.S. ports of entry, with more than 1,000 EXPLORANIUM SRPM-210 systems installed.
- ▶ Leidos has deployed over 800 VACIS non-intrusive fixed and mobile vehicle and cargo inspection systems throughout the world. We are the leading provider of large-scale mobile inspection systems to CBP, with 89 VACIS mobile systems deployed at ports and borders from coast to coast.
- ▶ VACIS has advanced from early gamma-ray contraband detectors to complex systems that integrate manifest information from cargo with X-rays in real-time.

Why Partner with Leidos

Leidos has a long-standing heritage in successful screening solutions and is the preferred integration partner for some of the most advanced cargo inspection facilities in the world. Renowned as a leader in advanced security technologies, regulatory agencies and governments worldwide regularly turn to Leidos for specialized research and development assistance. This collaboration yields new products and enhancements to existing products that address customers' ever-evolving cargo screening needs.

Next Steps

Our comprehensive portfolio of X-ray screening systems and unparalleled integration services keeps commerce flowing smoothly—everywhere cargo, people and vehicles travel, including some of the most inhospitable places around the globe. Contact us today to discover how we can work together to help you meet your security and compliance goals.

For More Information

leidos.com/security-detection | leidos.com/contact