Mezzo™ Enterprise Software Platform

Leidos is a leading provider of non-intrusive inspection (NII) technologies with nearly 1000 VACIS® and Exploranium® systems deployed globally. Typically positioned at border crossing, ports, military facilities, and other commercial checkpoints, these systems scan cargo containers, trucks, passenger vehicles, and rail cars for a variety of threats, such as weapons, nuclear material, narcotics, undeclared or misrepresented goods, and contraband.

When it comes to ports and borders checkpoints, many countries have made substantial investments in their cargo security infrastructure. Security technologies within these infrastructures are often from multiple manufacturers and are rarely integrated. Customs organizations are challenged with looking at the big picture of national security and must have high-level oversight at each point of entry.

Mezzo was developed specifically to address this challenge by integrating NII data sources onto a single, common platform, and thereby providing greater situational awareness for a variety of security applications. Our solution is based on the Leidos Enterprise Application Foundry (LEAF), a proven and mature framework that embeds quality, security and the latest technology into Mezzo. Leveraging AI-based threat algorithms, Mezzo provides a centralized command center with scanned images and other critical security data. Operators in turn can quickly assess potential threats while maintaining operational efficiency.

With flexible deployment options and open architecture design, Mezzo lowers operating costs and extends the life of investments. This means lower system maintenance costs, reduced training overhead, and the elimination of costly redundant systems.

RECOMMENDED NII SECURITY APPLICATIONS

› Border crossings
› Commercial ports of entry
› Military installations
› Nuclear power plants
› Entertainment and sports stadiums
› Large scale public events (e.g. Presidential Inauguration)

FEATURES	BENEFITS
High Performance Modular Open Architecture	▶ Delivers an enterprise-ready application ▶ Provides a vendor agnostic solution ▶ Contains resilient and redundant design; no single point of failure ▶ Enables accurate and efficient remote access and screening ▶ Standardizes data transfer using Universal File Format (UFF) ▶ Web-based user interface ▶ No local software installation or maintenance required
AI-Based Threat Algorithms	▶ Provides rapid threat detection ▶ Machine learning methodology continuously updates algorithms ▶ Integrates with legacy systems
AI Image Analysis	▶ Improves legacy system image quality and improves operational efficiency
Continuous Integration and Delivery Model	▶ Provides faster mean time to resolution (MTTR) ▶ Ability to quickly update the software to address immediate needs ▶ Evolves and scales based on operational needs ▶ Supports flexible deployment options – cloud-based, on premises or hybrid
Identity Access Management Integration	▶ Works with existing identity access management systems; users do not need to create additional or new identities ▶ User-managed access controls ▶ Ability to edit usernames, apply roles, and deactivate users
Rich Image Analysis, Metadata, and Search Feature Set	▶ Improved image management and assessment ▶ Increased security and detection of threats
Enterprise-grade Cybersecurity	▶ RMF compliant system security plan

FOR MORE INFORMATION

leidos.com

leidos