



Integrated Systems

AGILITY, EXTENSIBILITY, OPEN STANDARDS

Tackling critical industry challenges and ensuring customer mission success can often not simply be addressed through a single-point solution. To deliver mission-effective systems, we look beyond a single market, combining hardware and software with diverse initial applications to solve for challenges in an array of specializations including sensors and collection, processing, communications, virtual training, cargo inspection, electronic and acoustic warfare, platforms, artificial intelligence (AI), machine learning (ML), and autonomy. Our integrated systems leverage model-based systems engineering (MBSE) and are built on the foundations of agility, extensibility, modularity, open standards, and architectures.

OUR APPROACH TO SYSTEMS INTEGRATION

Our integrated systems approach is focused on scaling the cutting edge manufacturing and integration of Leidos programs and products to enable insertion of the latest technology from the Leidos Innovation Center and our Research and Development programs. We further customize the approach based on the type of customer and system we are manufacturing or integrating. We apply a rigorous systems engineering process based on our company standard Engineering Edge set of tools. Our MBSE approach benefits our customers with improved productivity, reduced risk, greater design innovation, better communication, and superior system quality.

Autonomous & Unmanned Systems

Leidos designed, developed, and integrated the first long-endurance medium-displacement unmanned surface vessel to execute autonomous maritime missions, and to increase capability and capacity at a lower cost and risk profile by augmenting manned force structure. Underlying this capability is our maritime autonomy, which is modular, open, and transferrable—and useful across a wide variety of maritime autonomous or partially manned platforms. Our autonomous and unmanned platforms help make operating in higher-risk environments safer and more efficient for governments and industry by providing cost-effective sensor systems, signal processing, communications, hardware, and software to support vital missions.

Synthetic Environment Core

Synthetic Environment (SE) Core provides fully correlated terrain databases enabling interoperability within live, virtual, constructive, and gaming training systems to allow warfighters to train as they would operate in deployed environments.

Reveal® Baggage Inspection Systems

Reveal explosives detection systems automatically detect a variety of explosives in checked baggage at airports and other passenger facilities, meeting the world's most demanding Explosives Detection System (EDS) standards, including the Transportation Security Administration's EDS, the European Union's European Civil Aviation Conference, and the Israel Securities Authority. The Reveal Baggage Inspection Systems won the 2019 ACT-IACT Innovation Award for its opioid detection capabilities.

VACIS® — Vehicle and Cargo Inspection Systems

VACIS systems scan cargo containers, trucks, cars and other vehicles to help authorities search for weapons, nuclear material, narcotics, undeclared goods and other contraband at cargo terminals, border crossings, military facilities, and other checkpoints.

Transformational Reliable Acoustic Path System (TRAPS)

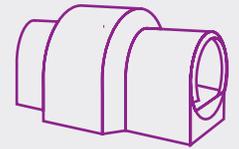
TRAPS complement fixed surveillance systems and Surveillance Towed Array Sensor System (SURTASS) by providing flexibility to Theater Anti-Submarine Warfare (TASW) commanders worldwide by allowing the fleet to address operational gaps in wide area undersea surveillance by using a deep water deployable system.

About Leidos

Leidos is a Fortune 500® information technology, engineering, and science solutions and services leader working to solve the world's toughest challenges in the defense, intelligence, homeland security, civil, and health markets. The company's 32,000 employees support vital missions for government and commercial customers. Headquartered in Reston, Virginia, Leidos reported annual revenues of approximately \$10.19 billion for the fiscal year ended December 28, 2018.

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Reveal Baggage
Inspection Systems Scan
1,000 checked bags
per hour



Deployed
700+ VACIS
vehicle screening systems
across 20+ countries



Manufactured over
65,000
nuclear detection,
radiographic sensors,
and imaging systems