Capabilities Overview

ADVANCED SOLUTIONS  CIVIL  DEFENSE & INTELLIGENCE  HEALTH

leidos
At Leidos, our employees are inspired to create innovative technology solutions that solve the world’s toughest problems. We call it our culture of innovation.

We are committed to investing in critical internal research and development efforts that respond to your challenges, even as we work to deliver the next generation of agile, cohesive solutions necessary for today’s rapidly changing environment.

I am proud to present the following portfolio of capabilities our company has to offer. I look forward to learning more about your current challenges and our opportunity to create customized solutions for you.
Everything we do is built on a commitment to do the right thing for our customers, our people, and our community. Our vision, mission, and values guide the way we do business.

VISION

Become the global leader in the integration and application of information technology, engineering, and science to solve our customers’ most demanding challenges.

We will deliver innovative solutions through the efforts of our diverse and talented people who are dedicated to our customers’ success. We will empower our teams, contribute to our communities, and operate sustainably.

MISSION

Leidos makes the world safer, healthier, and more efficient through information technology, engineering, and science.

VALUES

Integrity  Collaboration
Innovation  Commitment
Agility
ONE COMPANY IN THREE OPPORTUNITY-RICH MARKETS OF GLOBAL IMPORTANCE

Our new business is separated into 4 growth areas focused around 3 distinct markets and one cross-cutting market, which we call Advanced Solutions.

ADVANCED SOLUTIONS $1.26 billion REVENUE
DEFENSE & INTELLIGENCE $3.7 billion REVENUE
HEALTH $1.8 billion REVENUE
CIVIL $3.41 billion REVENUE

2017 $10.2B REVENUE

Revenues are estimates for FY2016 based on performance by Leidos and Lockheed Martin’s Information Systems & Global Solutions (IS&GS) business. On August 16, 2016, Leidos acquired IS&GS in a Reverse Morris Trust transaction. Actual revenues, as reported in the Leidos Annual Report, are available at investors.leidos.com

ROGER A. KRONE
CHAIRMAN AND CHIEF EXECUTIVE OFFICER

Roger A. Krone is Chairman and Chief Executive Officer of Leidos. With more than $10 billion in annual revenue and 33,000 employees worldwide, Leidos is a recognized global leader in solving important problems in defense, civil, intelligence, homeland security, and health. Before being named CEO in July 2014, Krone held leadership roles at some of the most prominent organizations in aerospace and defense for nearly 40 years.

For Krone, the future of Leidos is one with a laser focus on its customers, shareholders, and employees. Under his strategic vision, the organization remains committed to investing in critical internal research and development efforts. He is the driving force behind the company’s culture of innovation, the environment shaped to inspire employees to create innovative technology solutions that respond to client’s challenges today and tomorrow.

Before joining Leidos, Krone served as president of Network and Space Systems for The Boeing Company, where he provided calculated direction for approximately 15,000 employees in 35 states and 12 countries. His organization provided integrated technologies to government and commercial customers. He joined McDonnell Douglas in 1992 serving as director of financial planning, vice president and treasurer after a 14-year career at General Dynamics, where he held positions in program management, engineering, and finance. Krone also previously served as chairman of the board of directors of the United Launch Alliance, a 50-50 joint venture between Boeing and Lockheed Martin that helps carry weather, telecommunications and national security satellites to space and employs more rocket scientists than any other company in the world.

Krone earned a bachelor’s degree in aerospace engineering from the Georgia Institute of Technology, a master’s degree in aerospace engineering from the University of Texas at Arlington, and a master of business administration from the Harvard Graduate School of Business. A Six Sigma Green Belt, Krone is both a licensed commercial pilot and a certified public accountant. He is also a Fellow of the American Institute of Aeronautics and Astronautics and a Fellow of the Royal Aeronautical Society in the United Kingdom.

Krone is a member of the Georgia Tech Foundation Board of Trustees, and a member of the board of WETA Public Television and Radio in Washington, D.C. He is a long-time supporter of the Urban League, and currently serves on the board of the Greater Washington chapter. He is also a member of the Executive Council of the Aerospace Industries Association (AIA) and a member of the AOPA Foundation’s Board of Visitors.
Unlocking Solutions from Concept to Production

ADVANCED SOLUTIONS

Our Advanced Solutions Group conducts research and development to unlock technology improvements in the areas of intelligence, surveillance and reconnaissance, airborne collection, command and control, large-scale software development, data analytics and autonomy, and applies them to advanced integrated systems.

The group supports customers from the defense and intelligence industry looking for leading edge technologies to increase or complete their missions.

Mike Chagnon
PRESIDENT, ADVANCED SOLUTIONS GROUP

Mr. Chagnon is President of the Advanced Solutions Group at Leidos Corporation. He leads over 2,500 scientists and engineers in the design and development of mission critical C2, training, and multi-spectral space, airborne, ground and maritime ISR collection systems; phenomenology simulation; advanced sensors; and associated processing, exploitation and dissemination systems. He manages all aspects of the $1.25B line of business, with financial, contractual, strategy development, business development and human capital responsibilities. His primary customers include US Army, US Air Force, US Navy, SPAWAR, Defense Advanced Research Projects Agency (DARPA), United States Strategic Command (USSTRATCOM), Defense Threat Reduction Agency (DTRA) and North Atlantic Treaty Organization (NATO).

Mr. Chagnon holds a Bachelor’s degree in Economics from the University of California, San Diego.

PRIMARY CUSTOMERS
- AFRL
- DARPA
- Army
- Navy
- Intelligence Community
Advancing Technology Solutions for Civil Agencies and Commercial Markets

Our Civil Group delivers a range of aviation systems and integration, complex logistics and infrastructure support, cybersecurity and analytics, facility and campus management and operations, energy engineering, environmental management, IT infrastructure modernization and transportation security solutions.

- Aviation
- Cyber Solutions
- Energy
- Environment & Infrastructure
- Exploration & Mission Support
- Financial Solutions
- Homeland and Transportation Security

Angie Heise
PRESIDENT, CIVIL GROUP

Angela Heise is President of the Civil Group at Leidos. In this capacity, she is responsible for providing solutions to US Cabinet-level civil agencies and major elements of the public and private sector across the globe. Focus areas include air traffic automation, energy and the environment, federal infrastructure and logistics, IT and cybersecurity, and transportation security. Prior to this role, Heise served as vice president of Commercial Markets for Lockheed Martin Commercial Cyber, where she was responsible for delivery of a portfolio of cybersecurity and information technology solutions and services to commercial Global 1000 customers.

Heise graduated from Southern Illinois University with a Bachelor of Science in computer science. She was recognized in 2012 as Aviation Week’s Top 40 under 40 and in 2013 was one of Federal Computing Week’s Top 100 Executives.

PRIMARY CUSTOMERS

- Department of Energy
- NASA
- Federal Aviation Administration
- U.S. Army Corps of Engineers
- Department of Homeland Security
- Department of Justice
- Utilities

CIVIL
Our defense and intelligence business provides a diverse portfolio of systems, solutions, and services covering air, land, sea, space, and cyberspace for Defense and Intelligence customers worldwide. Our solutions include enterprise and mission IT, large-scale intelligence systems, command and control, geospatial and data analytics, cybersecurity, logistics, training, and intelligence analysis and operations support.

- Cyber
- Data analytics
- Enterprise IT modernization
- Software development

Tim Reardon
PRESIDENT, DEFENSE AND INTELLIGENCE GROUP

Timothy J. Reardon is the president of the Defense & Intelligence Group at Leidos. In this capacity, he is responsible for leading the delivery of advanced systems, solutions, and services to Defense and Intelligence customers worldwide. Focus areas include national security, cyber, advanced analytics, enterprise information technology, logistics and C4ISR.

Previously, Reardon served as the vice president and general manager of Lockheed Martin's IS&GS business. In this role, he was responsible for leading the delivery of advanced systems, solutions, and services to defense, intelligence, civilian, and commercial customers in the United States and worldwide.
Leidos fuses science and technology to help healthcare organizations enhance clinical care, public health, and scientific research and create efficiencies to help reduce costs. By collaborating with customers across the healthcare spectrum, we help them prevent, diagnose, and treat illnesses. Leidos provides a broad range of services and solutions to hospitals and health systems and also develops and supports large-scale technology programs for every U.S. federal agency focused on health, including the DoD, Veterans Affairs (VA), and Health and Human Services. Additionally, we conduct life science research and development for U.S. government agencies and other biomedical enterprises. Our teams are staffed with clinical, scientific, and technical subject matter experts who draw upon their vast experience and deep knowledge of healthcare and technology. From implementing and optimizing electronic health records (EHRs) to conducting groundbreaking research to treat cancer and AIDS, Leidos is helping its customers transform healthcare.

- Electronic Health Records management
- Enterprise IT modernization, operations and maintenance
- Interoperability solutions at-scale
- Population health solutions: consulting, analytics, modern case management
- Software development and systems integration

Jon Scholl
PRESIDENT, HEALTH GROUP

Jonathan Scholl currently serves as President of the Health Group. In this role he is responsible for leading several thousand employees providing services and solutions in health information technology services, population health risk management and case management, health analytics, life sciences, and public health. Prior to joining Leidos in 2015, Scholl served as Chief Strategy Officer for Texas Health Resources (THR), one of the largest non-profit healthcare delivery systems in the country. Before THR, Jon was a Partner and Managing Director with The Boston Consulting Group, where he spent 15 years.

Scholl received a master’s degree in business administration from Harvard Business School. After graduating from the U.S. Naval Academy in 1984 with a Bachelor of Science degree in control systems engineering, he served five years in the U.S. Navy as a nuclear submarine officer and nuclear power plant instructor.
We specialize in the development, operations, and maintenance of both manned and unmanned airborne systems. Leveraging decades of operational and technical integration expertise, our systems have successfully flown thousands of hours supporting the warfighter in combat zones as well as on the ground processing and exploiting mission-critical information.

- Design, integration, and operations of manned and unmanned airborne ISR
- Turn-key, quick-reaction airborne ISR solutions
- Sensor and communication integration, mission planning operations
- Geospatial tools, products, and services for precise global

OUR SOLUTIONS

High Resolution 3-D Geospatial Information (HR3DGI)

HR3DGI is a sensor system for collection and processing of sensor data to generate unclassified, high resolution, 3-D geospatial information critical to tactical customer needs. HR3DGI is platform agnostic and has proven its capability in operational deployments on a variety of manned and unmanned aircraft.

Next Generation Remotely Piloted Aircraft (RPA) Operation Center

Our unmanned systems provide proven and current competencies in system engineering, modernization, and sustainment for all aspects of RPA remote split operations, primarily in the areas of command and control for both fixed and mobile operations, 24/7 operations centers sustainment, and mission support to include integration across operations centers, ground control systems, platforms, sensors, and satellite communication facilities.

The Leidos Audio Multi-Level Security (MLS) System

The Leidos Audio Multi-Level Security (MLS) System, designed in partnership with Clear-Com®, LLC, is a communications system that supports audio transmission across multiple security domains. By streamlining operator workstations with a single microphone headset for use across multiple security enclaves, it enables the user to communicate seamlessly with mission partners on both classified and unclassified networks while maintaining isolation between domains.

Multi-INT ISR Platform with Modular Sensor Capability

Our team leverages decades of operational and technical integration expertise to rapidly design, integrate, deploy, and support specialized, leading-edge airborne ISR (AISR) sensor packages. Leidos AISR systems have flown tens of thousands of hours supporting the warfighter in combat zones. Our systems have led the battle against improvised explosive devices (IEDs) and other threats. Our expertise includes sophisticated ground stations able to process and exploit critical information.
Leidos is a trusted systems integrator serving Air Navigation Service Providers including the Federal Aviation Administration, the Transportation Security Administration, and airport operators. Our work in airport modernization helps stakeholders achieve stated objectives including increased operational efficiency and safety, a technology enhanced passenger experience, non-aeronautical revenue enablement, and state-of-the-art situational awareness and security.

- Manage 60 percent of the world’s air traffic
- Winner of two 2016 IHS Jane’s Air Traffic Control (ATC) Awards
- First-of-its-kind Integrated Airport Management System deployed at Denver International Airport
- Ranked #10 in Airport Terminal Sector by Building Design + Construction

OUR SOLUTIONS

Air Traffic Automation

Leidos air traffic control systems are used in Air Navigation Service Provider (ANSP) facilities that control more than 60 percent of the world’s air traffic. We work diligently to support the Federal Aviation Administration’s NextGen program with government accepted systems including En Route Automation Modernization (ERAM), Advanced Technology Oceanic Procedures (ATOP), Time Based Flow Management (TBFM), and Terminal Flight Data Management (TFDM). For the NATS system in the UK, we offer the SkyLine Air Traffic Management (ATM) suite to enhance safety, improve on-time performance, and increase fuel efficiency.

FAA Professional Services

We provide critical information technology, engineering, energy, environmental, safety and health, spectrum analysis, and training and flight procedure support for programs including the National Airspace System (NAS) and the Next Generation Air Transportation System (NextGen). Leidos carries out task orders at more than 60 locations stretching from FAA headquarters to service area locations nationwide.

Airport Scenario Planning and Forecasting

Our BEONTRA™ suite delivers highly detailed, schedule-based air traffic forecasts focusing on passenger and traffic figures covering all time horizons from hours ahead to the next 20 years. Forecasts are helping airports with capacity planning, revenue planning, route development, resource management, and long-term planning.

Airport Operational Systems

The Chroma™ Next Generation Airport Suite is a consolidated platform that enables airport operators, their partners, and stakeholders to put the passenger process at the heart of decision-making, enabling real-time collaboration, landside and airside alignment, and a holistic view of airport operations. Chroma includes solutions in Airport Operational Database (AODB), Airport Collaborative Decision Making (ACDM), Resource Management Systems (RMS), Flight Information Display Systems (FIDS), billing, and mobile services.

Drone Protection

Leidos is equipping airports with the tools necessary to identify, risk assess, and mitigate the threat from Drones, also referred to as Unmanned Aerial Systems (UAS) or Remotely Piloted Aircraft Systems (RPAS). We have established processes and decision support tools to help airports evaluate the risk of this growing technology and how it impacts operations.

Foreign Object Debris Protection

Varec, a wholly owned subsidiary of Leidos, designs, integrates, and installs a network of runway surface detection units (SDUs) that provide foreign object debris alerts, imagery, classification, and reporting.

Fuels Management

Another solution from Varec is the FuelsManager Aviation software that improves logistics, data collection, and accountability of aviation fuel and glycol management operations.

Baggage and Cargo Scanning

Our Reveal® product line provides automatic explosives detection and state-of-the-art imaging that meets the world’s most demanding explosives detection systems (EDS) standards. Our VACIS® product line provides non-intrusive imaging of cars, trucks, cargo, and other vehicles to detect weapons, nuclear material, narcotics, undeclared goods, and other contraband.
Command and Control (C2)

We deliver the next generation of cohesive mission command solutions that enable decision-making functions for defense, intelligence, and the DHS, including:

- Rapid, efficient, agile development, modernization, and life-cycle support
- Emergency and battle management, Naval combat systems, land weapon systems
- CBRNE solutions, emergency management
- Protection of assets through surveillance and command and control access control
- Solutions for base defense, land, border, and port security as well as identity management

OUR SOLUTIONS

Leidos Enterprise Application Framework (LEAF)

LEAF is a highly efficient software platform designed to reduce development time while increasing interaction with the warfighter. This enhanced software development process allows for maximum flexibility to make real-time changes to support evolving mission requirements. Built as an open framework, it allows for integration with third-party applications, including support for disconnected, intermittent, and low bandwidth (DIU) environments.

International Aircraft Mission Planner

A customized aviation mission planning system designed for international customers operating a wide array of helicopters and fixed-wing aircraft. The system uses intuitive menus that follow the logical workflow of flight operations, tailored to meet each customer’s unique mission requirements.

CBRNE Effects Models

The Joint Collaborative Analysis Model (JCAM) provides a net centric collaborative environment for near real-time analysis of the impact of CBRNE events on military operations and National and Foreign civilian and military populations.

Strategic Mission Planning Systems

Leidos develops four of U.S. Strategic Command’s primary strategic C2 planning systems. The Aimpoint Construction System (APCS) processes the creation of aimpoints for strategic weapon application. Attack Structure Manager (ASM) system or builds and manages the hierarchical plan structures. The Mission Planning and Analysis Common Services (MPACS) orchestrates, manages, and provides situational awareness of the planning process and advanced plan visualization.

USAF Air Operations Center Modernization

The Airspace Management Application-Airspace Information Services (ASMAAIS) provides AOC managers modernized airspace management and tools. Request for Information Services for Command and Control (RISC2) enables superior request tracking, auditing, and handling capabilities for the AOC.

Positive Train Location (PTL)

The Leidos PTL solution provides real-time sub-meter tracking information through a broad range of operational environments, including those without Global Navigation Satellite (GNS) services. The system provides users with precise position data, including end-of-train and track discrimination information, to enhance safety and overall operational efficiency.
At Leidos, our cyber experts and lab personnel combine comprehensive evaluation and high-assurance experience to provide clients with a single source for all their testing and certification needs. We provide services to a wide range of customers including hundreds of health clients and 90 FORTUNE 500 companies.

**OUR SOLUTIONS**

**Strategic Consulting Services**
We employ our strategic consulting services to help customers establish and implement an effective enterprise security posture. This includes a strategic vision, operational concept development, resource allocation planning for people, processes, and technology; and physical and logical location implementation.

**Strategic Assessment and Testing**
We provide detailed assessments of the effectiveness of your cyber defense and resiliency when measured against likely cyber threats. Assessments and tests are in separable modules that can be aligned to your current needs. Specific gap mitigation steps to further reduce potential cyber incident risks will be recommended based on our findings. Assessments, testing and subsequent recommendations are based on our broad and deep cybersecurity experience using proven, market leading methodologies and current industry standards and best practices.

**Palisade®: Threat Intelligence and Analyst Workflow Platform**
Palisade is a knowledge management and analyst workflow platform that provides the technical foundation for an integrated, intelligence-driven approach to cybersecurity. The platform enables cyber analysts to collect intelligence about their adversaries’ activities and correlate trends that help to identify motives and tactics. Armed with such intelligence, analysts are better able to defend their network.

**Industrial Defender: Automation Systems Manager (ASM) Platform**
To address the overlapping requirements of cybersecurity, compliance, and industrial control systems space, Leidos leverages its Industrial Defender ASM to provide a consolidated view into our customer’s heterogeneous control systems environment. By deploying across multiple vendor systems, the Industrial Defender ASM platform can provide applications and workflow for compliance and cybersecurity without rebooting or interrupting services.

**Advanced Threat Monitoring (ATM)**
Our ATM services integrate advanced persistent threat sensors onto existing corporate internet points of presence to analyze a wide view of incoming and outgoing network traffic. Leidos has trained analysts to review suspect network, email traffic, and compare data against more than a decade of threat indicators to identify attacks or intrusions to mitigate risk for our clients.

**Enhanced Threat Protection (ETP) Service**
Leidos utilizes its ETP managed service technology to stop malware and malicious emails from infiltrating our client’s networks. Email and DNS threat protection are provided automatically by selective redirection of malicious communications to safe servers where our client can access the traffic, manually review, delete, or release emails. Protection is provided using classified intelligence from the Department of Homeland Security (DHS) Enhanced Cyber Services program.

**Analysis on Demand (AOD) Service**
Our unique AOD service lets clients securely transmit malware or suspicious samples to Leidos for expert analysis. Our industry-leading security intelligence analysts provide you with detailed findings and recommendations for mitigation.

**Security Operations Center (SOC) Services**
In order to best support an organization’s strategic vision, Security Operations Centers (SOCs) must be equipped to defend against increasingly severe and frequent cyber-threats. Building, staffing, and tooling a SOC to support an intelligence-driven defense posture requires skilled analysts, tuned technologies, and a proven analytic framework. Leidos helps our customers build an SOC into an intelligent, integrated center poised to proactively defend your network through engagement types that are tailored to complement the custom needs of their team.

**Open Source Intelligence and Cyber Threat Analysis Services**
Our cyber threat analysis services provide a customizable state-of-the-art web, social media, monitoring, and analytics solution providing context for the analysis and application of cyber threat intelligence. By using broad market information to predict threat actor’s behaviors, tradecraft in global threat intelligence and trending on types of attacks in a sector, our cyber threat analysis services provide a customizable a forecast of potential threats and vulnerabilities.
Endpoint Detection and Response (EDR) Solution
The EDR Solution secures your endpoints with best-of-breed threat intelligence and EDR technology combined with services from our team of seasoned cyber defenders to monitor your environment and proactively defend your assets. The EDR Solution provides real-time threat detection of both known and unknown threats using machine learning and behavioral analytics.

Arena ATM™: Advanced Threat Monitoring Platform
Identify threats and rapidly adapt defenses to ever changing Advanced Threats. Arena is a specialized, file-centric threat detection platform that provides cyber analysts robust network visibility and email-focused intrusion detection capabilities. The web-based user interface enables the search, and review of network traffic data for file-centric threats on the network and empowers analysts to create their own detections, and increase efficiency.

Arena ITI™ Insider Threat Identification Platform
Our award-winning Arena ITI solution provides organizations with proactive identification of potential insider threat activity. Arena ITI takes a holistic approach to detecting insider threats, seamlessly integrating data sources across the organization with individual modeling behavioral indicators to provide the most robust, advanced insider threat detection program available.
OUR SOLUTIONS

Advanced Geospatial Framework (AGF)
AGF is a multi-INT framework that delivers “big data” to analysts through a standard web browser using the existing communications infrastructure. It seamlessly integrates multiple sensor types into a consistent thin-client environment where users can search for all available data types over any geographical region over any time period.

DigitalEdge™
DigitalEdge is a platform that integrates ETL (extract, transform, and load), real-time processing, and big data stores into a high performance analytic system. The DigitalEdge solution is designed to handle the deluge of today’s data in either batch or streaming modes. Coupled with the high-speed ingest is the capability of normalizing and correlating to external data sets.

GRGlobe™
The GRGlobe application brings enhanced geographic information system (GIS) capabilities to the Google Earth™ globe, providing the ability to create, edit, and visualize GIS data natively while supporting multiple formats such as KML, shapefile, and geodatabase. The application structures GIS data using like attributes and geometry (points, lines, areas) for visualization on a Google Earth globe, enabling users to categorize logically using attributes and visualize custom-themed symbology based upon feature attributes.

Publicly Available Information (PAI) Exploitation Platform (PXP)
Leidos has developed a robust threat intelligence platform fusing social media with the full universe of PAI data types (social media, text, imagery, and video). Leidos’ innovative data fusion model and real-time analytics makes the PAI Exploitation Platform an analyst’s on-stop shop for open source data collection, transformation, discovery, visualization and analytics, and its eventual fusion with classified sources.

Data Analytics
Tools and expertise built to deliver actionable intelligence from disparate data sources; designed for the Intelligence Community, applicable to all markets we serve.

AIMES, AIMES Mobile, AIMES Motion Imagery
AIMES is a next-generation, full-motion video imagery exploitation tool created to solve the tough challenges faced by today’s motion imagery analysts. It includes an open architecture to enable integration of advanced processing algorithms and incorporation of dynamic, real-time task management capabilities to reduce analyst workload and speed the provision of intelligence to decision-makers.
Our industry-leading portfolio of energy solutions benefits utilities, lenders, developers, energy efficiency administrators, and manufacturing and industrial clients. We provide tailored solutions that support grid modernization, renewable integration, infrastructure protection, systems integration, and energy conservation efforts. Past performance includes work with more than 500 utilities, more than 350 lenders, developers, and investors, and the big three automakers.

**OUR SOLUTIONS**

**Power Delivery**  
Ranked #5 in Transmission and Distribution by Engineering News Record, Leidos brings a comprehensive service offering to electric utilities, including planning, design, engineering, and operations support. We help utilities develop a clear vision of the modern infrastructure needed to safely and reliably deliver electric power service.

**Project Development and Financing**  
Leidos applies technical, commercial, and regulatory expertise to advise the development, financing, restructuring, and acquisition of capital-intensive energy assets. Our capabilities span electric generation, biofuels, oil and gas infrastructure, transmission and distribution, and emerging energy solutions meeting the demands of the evolving marketplace.

**Energy Efficiency**  
Leidos has been a pioneer in the energy efficiency industry for more than 30 years, and we continue to provide innovative, industry-specific solutions today. Our full-service, turnkey energy efficiency and conservation program administration service has earned several awards from industry associations and the Climate Change Business Journal.

**Industrial Systems**  
As a member of Control Engineering’s System Integrator Hall of Fame, Leidos is transforming systems integration and energy management in the manufacturing space. We specialize in manufacturing execution systems and Andon, enterprise data solutions, software development, energy savings performance contracts, and energy engineering.

**Intelligent Infrastructure**  
With deep expertise in systems integration, sensors and controllers, machine communication, advanced analytics, network infrastructure, and cloud operations, Leidos is equipped to cost-effectively deliver the promise of intelligent infrastructure. We create exceptional business value from advanced solutions tailored to exacting requirements for smart utilities, industries and cities.

**Utility Security**  
Leidos is uniquely equipped to help utilities meet North American Reliability Corporation critical infrastructure protection standards and retool their physical security, cybersecurity, critical communications, and grid resiliency efforts to protect assets from evolving threat vectors. We utilize decades of experience in the national security sector to deter physical and cyber threats, and protect critical utility assets.
OUR SOLUTIONS

Asset Management and Service Catalog
To meet customers’ objectives, Leidos provides Information Technology Service Management (ITSM) systems, integrated COTS solutions service desk, and asset management trouble ticketing system to improve service and provide standard services with an efficient management and delivery framework.

Cloud and Data Center Operations
With our own deployment of the FedRAMP Solutions as a Service (SaaS) Community Cloud and Co-Location Services, Leidos provides services that help design, architect, build, migrate, and manage their workloads which are compliant with the Federal Cloud Computing Strategy and the Cloud First Policy. Our expertise with different cloud implementations allows us to provide and adapt relevant architectures that enable customer awareness of new services as they become readily available.

Call Center Operations
Leidos has implemented a nation-wide network of Mission Support Services. Our integrated mission applications optimize the user experience and provide data analytics to help drive continuous improvement.

Critical Infrastructure Management
Leidos works to assists in implementing new system performances and cost saving measures in data center operations, supercomputing centers, cloud migrations, and software to address the high demand for efficiency with continuous budget pressures at the Department of Defense (DoD).

Application Integration
Today’s Joint Information Environment (JIE) needs require scalable and secure solutions that can interoperate across global networks, multinational partners, and multilevel security boundaries. Our work on enterprise data warehouses, big data solutions and multinational information sharing enables customers to get the most value out of their assets, rationalize, and simplify their application portfolios.

Application Development
All enterprises are not created equal. The DoD is unmatched in number of users, volume of data, and unique regulatory and security needs. We use agile DevOps approaches to rapidly evolve commercially available software solutions to deliver on DoD personnel, logistics, security, and command and control requirements.

Enterprise Service Management
Information on the edge of the network provides the military an advantage. The agility of these solutions to be used on post and then quickly deployed to the edge are critical for our military. Our engineers have a proven record of delivering secure and reliable services needed to maintain the information edge on our adversaries.

Application Modernization
With the transition to fully digital citizen and government services, Leidos delivers transformative digital solutions that modernize our customers’ legacy applications and assist in the journey to better us of the cloud. Our solutions help handle culture changes, provide agile coaching in digital services, and use enabling technologies to improve efficiency and effectiveness within our customer’s business.
Service Integration and Management (SIAM)

Service Integration and Management (SIAM) has proven to be one of the best solutions to address the increased popularity with Multi-sourced ICT environments known as “TowerModels”. By supplying the ‘mortar’ that binds the individual ‘bricks’ in the Tower Model, SIAM ensures that the range of constituent parts, whether outsourced or delivered internally, fit together to provide a single, effective ICT service to the user.

Agile Software Development

By leveraging the Scaled Agile Framework (SAFe) and similar techniques, our six leading software programs deliver capabilities including geospatial exploitation, open-source and internet exploitation, complex business systems, and a broad range of other intelligence tools.

Enterprise IT, Engineering, and Operations

Leidos partners with four major intelligence agencies to specialize in highly-secure, mission-specific solutions and operations including the Intelligence Community Information Technology Enterprise Strategy (ICITE) initiatives and DIA Enterprise Infrastructure Engineering Services (EIES). We also develop, integrate, and operate the GEOAxis Identity Access and Management employed by multiple intelligence community (IC) agencies which also provide unique capabilities in business analytics by combining our Big Data capabilities, Identity Access Management (IdAM), and IT operations to provide our customers a well-rounded assessment of their intelligence systems being utilized.
Leidos is trusted by civilian and defense agencies with substantial environmental and sustainability driven missions. Our pedigree across environmental management, nuclear security, energy efficiency, infrastructure management, mission support, and IT modernization provides the applicable reach back needed to transform operations while modernizing aging infrastructure and maintaining environmental stewardship.

**OUR SOLUTIONS**

**Infrastructure Management & Operation**

We support several of the Department of Energy's (DOE) largest nuclear production, operations and remediation sites including the Hanford Site in Richland, Washington; the Y-12 National Security Complex in Oak Ridge, Tennessee; and the Pantex Plant in Amarillo, Texas. At Hanford, we provide site-wide infrastructure management and operation including oversight of land and logistics, public works, information technology, fleet transportation, environmental sustainability and compliance, first responder services, and future project planning.

**Environmental Planning**

Leidos has a long history of completing concise, cogent, legally defensible National Environmental Policy Act (NEPA) decision documents like Environmental Assessments and Environmental Impact Statements, to meet Federal and state environmental compliance requirements. Industry and federal agencies turn to Leidos for our in-depth understanding of standard procedures, permitting agency requirements, and public and stakeholder participation. Leidos offers support in resource issues, impact analysis, and impact avoidance, minimization, and mitigation measures.

**Environmental Response**

Our environmental engineers and scientists address all aspects of remediation for soil, groundwater, surface water, and sediment, including removal, treatment, bioremediation, containment, resource management, land use and institutional controls, air emission control and monitoring, and remedy performance monitoring and reviews – including National Emergency Rapid Response. Leidos’ proven experience includes implementation and operation of remedies under multiple regulatory programs for a broad range of chemical and radiological contaminants in varied and complex site settings.

**Energy and Environmental Modeling**

Leidos has supported the DOE’s National Energy Modeling System and the Environmental Protection Agency’s Environmental Modeling and Visualization Laboratory for more than two decades by provisioning, maintaining, and supporting the use of high-performance computing and scientific visualization. Our DOE scope of work also includes strategic assessments of energy supply and demand, transmission and distribution, and conversion technologies.

**Nuclear Security**

Our nuclear technology and security professionals assist civilian and military stakeholders with nuclear deterrence, nuclear nonproliferation, and nuclear counterterrorism missions throughout the U.S. government. The Leidos team delivers essential services including nuclear criticality safety analysis and annual assessment, material control and accountability, and site safeguards and security support.

**Science and Specialty Consulting**

Leidos provides a highly-skilled staff of chemists, biologists, engineers, geologists, environmental scientists and support personnel for projects that require 24-hour emergency response, field work, onsite monitoring, or new materials and methods. On the advanced chemistry and materials development front, we are recognized for our materials and corrosion research, development, testing, and evaluation with the Naval Research Laboratory.
NASA Human Health and Research
Leidos supports the health, safety and productivity of crews living and working in space through the delivery of medical services, food services, research, technology development, engineering, operations, and flight hardware development. Our team was integral in the planning, analysis, and science associated with the “Year in Space” initiative recently completed by NASA.

Specialized Engineering Services
Leidos sustains a deep bench of scientific and engineering resources to help our customers solve their most challenging problems in engineering design, analysis, development, testing, and operations. Key skill areas include propulsion, materials, thermal, structural, aero-sciences, avionics and electrical systems, guidance navigation and flight control, flight and ground software, optics, systems engineering, test and validation, human centered design, and life sciences.

Professional Services
Civilian agencies turn to Leidos for professional services in a variety of technical and administrative areas. For example, Leidos provides subject matter expertise in litigation and eDiscovery, public safety technology testing and outreach, grant application peer review, and communication support. Several of our high-profile communications products have been recognized by the National Association of Government Communicators amongst others.

Complex Logistics and Infrastructure Support
Leidos oversees all aspects of station services for research granted by the National Science Foundation at the three permanent research stations and vessels operated by the United States Antarctic Program. We provide logistics supply chain management, operational support for science execution, operation of research vessels, procurement of all food and supplies, researcher medical screening and travel arrangements, extreme cold weather clothing, intracontinental transportation coordination, food and shelter on the ice, and onsite facilities engineering and construction. Leidos also works with NASA to plan, coordinate, prepare, and pack standardized containers for all cargo missions to the International Space Station by international partner and commercial cargo vehicles.

Space Mission Operations
Leidos designs, develops, implements, operates, maintains, and sustains mission control and training systems in support of Human Space Flight. Our backend work is enabling NASA standard infrastructure, uninterrupted operations, and role-based security authentication. With expertise in ground command and control and telemetry disciplines, we also develop, support, and maintain large-scale satellite command and control systems. Our most recent system has delivered 2 million+ lines of code to support the International Space Station and all visiting vehicles.

Civil Spacecraft Engineering and Operations
With engineering expertise in a variety of disciplines, Leidos supports instrument and spacecraft programs with systems design, systems engineering, development, fabrication, integration, testing, and verification of space flight, airborne, and ground systems hardware and software. Space agencies turn to us when they need concepts of mission operations and in-space satellite servicing capabilities.

Exploration and Mission Support
Our technical solutions enable more missions for agencies that conduct exploration and scientific discovery from the edges of the earth to the farthest reaches of the solar system. We also modernize information technology infrastructure and communications strategy for a variety of civilian agency missions.

OUR SOLUTIONS

Professional Services
Civilian agencies turn to Leidos for professional services in a variety of technical and administrative areas. For example, Leidos provides subject matter expertise in litigation and eDiscovery, public safety technology testing and outreach, grant application peer review, and communication support. Several of our high-profile communications products have been recognized by the National Association of Government Communicators amongst others.
Our team of cybersecurity experts, including cleared developers, solution architects, and key management personnel, bring an established track record for delivering agile, game-changing cyber solutions in operations, government defensive, analytics, and commercial to support:

- Protecting data, networks, and systems against cyber threats from the most sophisticated adversaries
- Managing and monitoring cybersecurity operations and network operation centers
- Designing and deploying cryptographic and key management implementations
- Cloud security and cloud computing
- Reverse engineering malware
- Non-signature based threat detection
- Innovative research and development to detect insider threats

Federal Cybersecurity

Computer Attack and Exploitation Network (CAEN)

CAEN is a virtual environment that allows users to develop critical cyber skills in the areas of penetration testing, malware reverse engineering, and vulnerability research.

CyberNEXS™

CyberNEXS is a real-world platform designed to assess an organization’s cybersecurity readiness by providing realistic, live training on systems that emulate an operational environment without compromising the organization’s network. The platform provides an enhanced learning experience with a tactical, hands-on training approach and features up-to-date scenarios to keep current with dynamic cyber threats as well as a full menu of options to tailor training, certifications, and competitions.

Types of scenarios include:

- Attack
- Defend
- Attack-Defend (Capture the Flag)
- Penetration Testing
- Forensics

ExpeditionaryRT (XRT) (Tactical Real-Time SIGINT)

XRT is a high-performance computing platform that conducts data warehousing, performs data enrichment, and executes advanced analytics, all in a small form factor that is available to the warfighter. XRT provides real-time ingest, processing, alerting, and analysis in support of critical signals intelligence missions.

Federal Agency Cybersecurity

Our cybersecurity capabilities defend government networks and critical systems from external threats, insider threats, and optimize system resiliency. Leidos provides information assurance capabilities to key federal customers including the Federal Bureau of Investigation (FBI) and has expertise in transitioning security operations centers to a more proactive security intelligence posture and provides expert counsel to government Chief Information Security Officer’s (CISO’s).
Leidos has a long history of success and innovation supporting health-focused programs within the federal government, including the DoD, VA, and Health and Human Services. Our services include:

- EHRs/systems integration
- Health analytics
- Interoperability
- Cybersecurity
- Infrastructure and IT support
- Software development
- Grants management
- Behavioral health research and outreach
- Human performance research
- Nurse advice line

**Our Solutions**

**Veterans Affairs**

For more than a decade, Leidos has helped the VA maximize operational efficiencies and overall effectiveness in areas such as IT strategy and enterprise architecture, system design, software development and implementation, clinical systems integration, information sharing/interoperability, and information security. Our work has helped the VA share clinical health information in support of the more than 150 VHA hospitals and over 800 VHA community based outpatient clinics providing real-time access to domain specific patient record information.

**TRI-CARE Services**

We enable patients to access their own health information through initiatives such as TRICARE’s “Blue Button” program.

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**24/7 Nurse Advice Hotline**

Working with McKesson, we assist military families find and access the level of healthcare they need through the development of a military focused 24/7 Nurse Advice Line.

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**Adolescent Support and Counseling Services Program (ASACS)**

Since 1987, we have proudly supported the military’s Adolescent Support and Counseling Services (ASACS) program, which provides prevention education, early intervention, and outpatient treatment services to active duty U.S. military dependents and their families serving in Europe and the Pacific Rim.

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**Health IT Solutions**

Leidos Health and Life Sciences empowers our people to provide innovative IT solutions that can manage and protect our customer’s information, provide them with new means to connect with their own customers, and solve their most pressing issues. Our solutions range from developing applications to detect outbreaks, enabling mobile access and telemedicine solutions, creating systems to conduct analytics on Medicaid fraud prevention, and providing flexible hosting environments that can rapidly adjust to meet developer needs and align them with operations. We maintain a strong set of industry leaders as partners to broaden the capabilities that we can draw upon to drive our innovation and accomplish more for our customers.

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**Independent Medical Exams**

Leidos is the largest nationwide private provider of disability and occupational health examination services. Our more than 30-year history has been marked by a focus on delivering high-quality, technology-driven, exam solutions for our customers. We apply a customized, systematic operational workflow to administer evaluations, supported by innovative technology that achieves extraordinary quality, timeliness, cost-effectiveness, and customer service goals. We offer a complete one-stop shop for medical, disability, and occupational health services for federal and state governments, municipalities, and agencies including the Department of Defense, Department of Veterans Affairs, the Federal Occupational Health Service, and the Department of Labor.

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**Advanced Analytics**

As healthcare transitions from paper to digital records, data becomes integral to all aspects of care and the biggest source of opportunity to improve outcomes. Leidos brings data science to healthcare with Big Data management and analytics applications for the highest priority problems our customers face: sepsis, heart failure, diabetes, infectious disease, and fraud, wastes and abuse of healthcare resources. Through our work in predictive analytics and Big Data, Leidos can help monitor the spread of infectious diseases. We can provide the technology to assist the public health sector by analyzing data sets to predict, monitor, and prevent where outbreaks will happen.
Healthcare Modernization

The transformation from analog to digital systems requires integrated technologies, talent, and processes. Leidos brings systems engineering and program operations to deliver the most complete capabilities to our customers. The result of the combined efforts Leidos takes towards next generation Electronic Medical Records (EMR) in the commercial and federal sectors through DoD and the VA is an on-coming tsunami of data that can be leveraged to improve patient care, efficient allocation of resources and the creation of the Learning Health System.

Precision Medicine

Precision medicine is a new prevention-based approach to disease treatment based on an individual’s genetics, environment, and medical history to select the most effective prevention and treatment strategies. By delivering robust and scalable technology, operations, and program management to the national precision medicine platform, Leidos Health and Life Sciences delivers benefits to many stakeholder groups. Ultimately, a national platform for precision medicine will transform medicine from “one-size-fits-all” to precise diagnosis and more tailored treatments which will provide better outcomes at lower costs.
Leidos helps facilitate the nation’s commerce by providing secure information technology solutions for procurement and financial agencies including the General Services Administration, the Department of Treasury, and the Department of Commerce. Our work consistently receives the highest marks in Contractor Performance Assessment Reporting Scores.

**OUR SOLUTIONS**

**Legacy IT Modernization**
Ranked #1 in Information Technology by Washington Technology for the past 22 years, Leidos works to strike the right balance in legacy IT modernization by implementing complex IT and application solutions aligned with organizational objectives, information security compliance, and change management best practices. Our experts design, integrate, operate, and maintain network, platform, and application solutions that improve the agility of headquarters and field offices alike.

**Enterprise Network Management**
Leidos is a managed service provider in enterprise network and data center management. We handle the complexity of network architecture, virtualization, security patches, monitoring, and reporting so that our customers can focus on their daily tasks and overall mission.

**Cloud Migration**
We assist customers in evaluating the necessity and cost-effectiveness of migrating hardware, application portfolios, and network architecture to the cloud. If the evaluation passes the sniff test, we work alongside IT organizations and other stakeholders to outline a strategy to migrate on-premises resources and applications to the cloud, or to define a hybrid approach.

**Application Integration**
When needed, Leidos developers evolve commercially available applications that can interoperate across a variety of network and platform environments. We help customers to get the most value out of their assets and simplify their application portfolios.

**Agile Development and DevOps**
Leidos provides a variety of advanced agile software development methodologies (including Kanban, Scrum and SAFe) for continuous integration, delivery and sustainment of IT solutions for civilian agencies. We train and lead agile software teams for Federal customers including the Department of Homeland Security Customs and Border Protection, the Department of Treasury, and the General Services Administration.

**Paper Submission Forms Processing**
Leidos operates and maintains two high-performance systems that streamline the processing of more than 100 million IRS paper tax filings, information returns, and remittances annually. We oversee the conversion of paper tax filings and information returns to electronic forms as well as the data capture, management, and storage of sensitive taxpayer records.
Homeland and Transportation Security

Leidos provides advanced technologies, products, and custom solutions to serve a variety of end users, including customs authorities, military agencies, airport authorities, law enforcement agencies, terminal operators, industrial and manufacturing companies and emergency first responders.

Core competencies include:

- Portable digital x-ray imaging systems
- Fixed gamma-ray configurations for high throughput
- Mobile gamma-ray configurations to support flexible concepts of operation
- Full-scan inspection systems for occupied vehicles

Exploranium® Radiation Sensing and Classification Systems

The Exploranium system scans containers, trucks, cars, and railcars while in motion to detect and locate gamma-ray and neutron sources, displaying live and stored radiation profiles on graphic consoles used at thousands of installations for both government and commercial clients in the United States and other countries.

- Exploranium systems include:
  - AT-980 Radiation Portal Monitor
  - SRPM-210 Radiation Portal Monitor
  - ST-20 Radiation Portal Monitor
  - GR-135 Plus Radioscope Identification Device

Human Capital and Training Support

Leidos works to develop, enhance, support, and operate human capital solutions that support the most complex human capital needs for our federal agency customers. This includes streamlining of human capital functions utilized to collect, store, disseminate payroll, benefits, and other workforce-related information for employees and candidates. Leidos provides expert support to personnel, payroll, benefits processing, call center operations; and is integral in meeting recruiting and hiring tempos of over 1,500 hires per month. Similarly, we provide training and training development, logistics, training systems, and aids development for our customers with deep expertise in the development of training tools for security screeners.

Checkpoint Technology Integration

Leidos has supported the Transportation Security Administration since its inception with checkpoint technology integration at geographically dispersed airports, ports, terminals, cargo facilities, and other locations. Under various contract vehicles, Leidos provides logistics support, installation, integration, preventative and corrective maintenance, and end-of-life equipment replacement. Effectively, the Leidos team is helping to protect our nation’s transportation infrastructure and the people traveling within it.

VACIS® and RTR-4® Non-Intrusive Inspection Systems

Gamma-ray and X-ray imaging of vehicles and cargo, which includes:

- Permanently installed portal for gates and checkpoints with integrated radiation detection and optical character recognition.
- Truck-mounted mobile systems capable of scanning containers both in stationary or drive-through mode
- Scanning railcars and containers of trains as they pass by for radiation detection and identification
- Portable x-ray inspection in the field used to identify contents of luggage, packages, and vehicle compartments

RTR-5 X-Ray System

The RTR-5 is a next-generation portable x-ray system for detecting explosives, weapons, and other contraband. Utilizing a computed radiography (CR) plate and a unique digital radiography (DR) scanning system. The RTR-5 supports law enforcement, military, customs and security personnel in rapid deployment in extremely tight spaces and near real-time acquisition of multiple images forming a single approach.

OUR SOLUTIONS

Biometrics and Identity Management

With 20 years of experience, Leidos helps customers in this law enforcement and national security field. With programs like Next Generation Identification (NGI), Leidos has worked on developing a range of innovative devices, systems, and algorithms to support automated fingerprint identification, palm print identification, facial recognition, iris recognition, DNA identification, and all other forms of biometrics security. The NGI system processes an average of about 300,000 transactions a day, with a fingerprint accuracy rate of 99.6%, and priority-dependent response times less than 10 seconds.

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OUR SOLUTIONS

Electronic Health Records and Health Information Technology

Leidos professionals have experience across all major vendors electronic health record (EHR) systems including Epic, Cerner, Allscripts, MEDITECH, McKesson and others. With more than 15 years of health IT experience, an enterprise EHR solution with Leidos encompasses planning, strategy, scope, workflows, testing, implementation, training, roadmaps for long term support, and Advisory Services for effective integration and change management. Complementary to the EHR, Leidos recognizes the essential nature of other IT systems in ancillary departments from the lab, to surgery, to specialties such as cardiology and oncology. At Leidos, our team has the right knowledge in both hardware and software products to assist with implementing and improving the functionality of these other systems.

Implementation Services

We have experience across all major vendor EHR systems. Our clinical, financial, and technical subject matter experts provide assistance at any phase of an implementation project, including planning, design, build, test, and training, and bring methodologies, best practices, and unique insights. We can also provide dedicated resources to help manage operational and legacy systems as well as plan and support go-live projects.

Hospitals and Health Systems

We provide deep clinical and technical expertise to help our customers meet regulatory requirements, optimize technology for their clinical workflows, improve collections and reduce receivables, and keep data safe. Our services include:

- IT strategy and planning
- Vendor selection
- EHR implementation
- Clinical optimization
- Revenue cycle
- Health analytics
- Cybersecurity

Optimization Services

With proven methodologies and deep domain expertise, we help our customers get the most from their EHR systems through a focus on clinical workflows, revenue cycle, technology, and analytics. Our experts help streamline workflows, improve adoption, reduce operational costs, make better use of technology, access and understand data, and meet regulatory reporting needs.

Advisory Services

The scope of Leidos advisory services provides valuable insights for technology decision-making at both the organizational and departmental levels. The Leidos approach to technology planning is a process that aligns the vision to achieve organizational, operational, and financial goals. This includes long-term strategies to rationalize IT investments that achieve return on investment and meet the changing requirements for care delivery. Leidos has developed a thorough methodology with the critical stages of organizational assessment for the future state of IT for vendor selection. Based on our extensive EHR implementation experience, Leidos affiliate framework assists partners with sharing information, achieving such compliance as meaningful use, supporting population management, and improving patient engagement. Our team’s unique combination of knowledge, expertise, and talent enables programs that support mutual partner goals.

Health Cyber

We apply decades of national security and health IT expertise to help strengthen enterprises against cyber-attacks. Through continuous monitoring, we can identify threats and quickly resolve potential issues. Our comprehensive security services allow customers to maintain the confidentiality, integrity, and availability of critical IT systems and data; meet compliance mandates; and operate securely in an increasingly targeted healthcare environment.
Intelligence Services

We provide a wide-variety of low cost, highly effective solutions and services to the intelligence community and DoD as well as federal and civil customers, leveraging our extensive experience in the intelligence tradecraft. Services include:

- Intelligence Community Engineering and Services:
  - Systems engineering, integration and test
  - Analysis and exploitation
  - Business process reengineering, sea and knowledge management
- Collection, Analysis and Reporting Services:
  - OSINT big data and data analytics as a service (Daas)
  - Multimedia exploitation and advanced fusion analysis
  - Cultural and linguistics analysis and reporting
  - Operational and technical digital content analysis and reporting
- Operational Intelligence Direct Support and Training:
  - Field support specialty analysis
  - Operations tactics, techniques and procedures and critical planning support
  - Specialty analysis and reporting augmentation

OUR SOLUTIONS

Global Monitoring and Planning System (GLIMPS)

The GLIMPS provides accurate, global forecasts on defined lead times of up to five years, focused on turbulent and complex environments, in order to provide the information needed to adapt to changing needs and resources. GLIMPS technology forecasts the effects of poverty, environmental degradation, political instability, and social tensions through big data mining and machine learning of millions of open-source intelligence data points to discover the unseen relationships between indicators of stress and locations of potential instability.

Social Media and Open-Source Internet Analytical Solutions

We provide customers with access to a wide range of online media using a suite of advance analysis tools to identify under-the-surface insight from digital content. We specialize in measuring the spread of topics through online discourse, whether it is world events, messaging campaigns, brand management, key decision-makers, or communication effectiveness. We scale our service to meet customer demands, targeting only the sites, accounts, and relevant topics needed to save time and money.

PRODIGAL (Insider Threat Detection)

PRODIGAL is a suite of advanced anomaly detection algorithms that can detect and combine the weak signals that characterize known and unknown insider threat scenarios.

ISR CrossCue (IXQ)

IXQ is an automated collaboration tool that allows warfighters and analysts to rapidly obtain critical expertise across the intelligence community. IXQ harvests analytic activity data from intelligence production systems to form a high-fidelity profile of the unique skillsets and expertise of each analyst. Users can then search, discover, geospatially visualize, and connect with peers using the same temporal, geospatial, or contextual queries they might employ for products or reports. Warfighters and analysts use dynamically created, secure collaboration rooms to discuss their objective or problem set, with the capability to post files and links in addition to text. IXQ provides analysts and tactical customers with an unparalleled ability to rapidly discover and leverage subject matter expertise.

3-D GeoPDF Technology

3-D GeoPDFs are Adobe Acrobat® PDF files containing geo-referenced imagery and digital elevation models within a single file that are compressed for transmission across limited bandwidth communications. The Leidos 3-D GeoPDF technology solution provides 3-D elevation model feature preservation and decimation technology, enhanced image noise reduction and decimation algorithms for various types of large imagery files, creating a smaller file footprint while maintaining high visual quality. The applications for this technology creates a high-quality, portable 3-D GeoPDF maps that can be easily transmitted across limited bandwidth communication channels for both non-technical and geospatial consumers.

Classified Infrastructure Programs

This work includes full lifecycle critical infrastructure sustainment and enhancements, operations, maintenance, and repair of U.S. government infrastructure and equipment, logistical support (i.e., procurement and purchasing, cargo shipment preparation, warehouse management, material handling equipment operations, inventory management, and shipping); information technology (IT) support, cyber sustainment; and special projects.

Intel Analysis and Training

Leidos provides training and analytical services to the Defense Department (DoD), the Joint Improvised-Threat Defeat Agency (JIDA), and Intelligence Community facilities both in and out of the contiguous states (CONUS and OCONUS) to support U.S. and coalition forces in Counter-Improvised Explosive Device (IED) operations and countering irregular warfare threats during our customers’ critical missions.

Multi-Source Intelligence

We use our expertise in data fusion and analytics to empower our customers to create superior intelligence solutions capable of ingesting multi-source data while also reducing the time for analysts to spend identifying meaningful intelligence, utilizing advanced data collection algorithms, processing, and delivering visualized and predictive analytics for a single version of truth to achieve mission success.
Life Sciences

Leidos designs and delivers customized solutions that support groundbreaking medical research, optimize business operations, and expedite the discovery of safe and effective medical treatments. Our doctoral and master’s-level scientific and analytical professionals execute a diverse portfolio, which includes:

- Produce and test vaccines and therapeutics for human clinical trials and regulatory compliance documentation services.
- Providing biomedical research and development support including portfolio management and strategic planning to federal customers
- Rapidly translate basic research into effective new ways of diagnosing and treating cancer and AIDS
- Supporting the development, implementation, and sustainability of grant programs from pre-award through closeout
- Detection and identification of gamma and neutron sources including nuclear bombs
- Collaborating with major academic, government, and commercial research laboratories to improve human health

OUR SOLUTIONS

Cancer Aids Research

- Basic and Applied Research
- A full suite of advanced technologies in areas such as genomics, imaging, and high-performance biomedical computing.
- Operates two drug and vaccine manufacturing facilities for the federal government.
- Pioneering the medical applications of nanotechnology with a focus on treating cancer
- Monitors more than 300 clinical trials treating patients in the United States and around the world.
- Establishes public-private partnerships in research and development.

Defense Medical Research and Threat Reduction

- Product development support designed to protect and treat our warfighters
- Scientific, program, and communication expertise to U.S. Army medical research program efforts in areas such as infectious disease, emergency medicine, psychological health, rehabilitative health, and biodefense.
- Scientific support to the Department of Homeland Security’s agricultural and biodefense threat research program
- Grants management support to the DoD involving more than $8 billion of congressional appropriations, over 12,000 grants, and more than 20 topic areas, including cancer, traumatic brain injury, and biodefense threat research program.

Global Health

- Emphasis on emerging, neglected, and tropical infectious diseases
- A virtual pharma model that is innovative, efficient, and collaborative, with proven results.
- Full-spectrum, life cycle support from initial concept through exploratory basic research, development, preclinical, and clinical phases up to product manufacturing and launching.
- Translational approaches to accelerate research from bench to bedside.
We provide mission-critical maritime ISR solutions by applying ocean physics, advanced sensors, communications, unmanned platforms, and autonomy systems, including:

- Unmanned, autonomous surface, and underwater solutions for intelligence and defense
- Advanced system architecture, platform, and sensor design and integration
- Maritime ISR, anti-submarine warfare (ASW), and radio frequency sensors and systems
- High-fidelity ocean modeling and simulation
- Hydrographic surveys and studies

**OUR SOLUTIONS**

**Anti-Submarine Warfare Continuous Trail Unmanned Vessel (ACTUV)**

Leidos led the team that designed and built DARPA’s Anti-Submarine Warfare (ASW) Continuous Trail Unmanned Vessel (ACTUV), now named Sea Hunter, which embodies the program’s goals to develop a highly autonomous unmanned vessel capable of operating over thousands of kilometers on the open seas for months at a time under only sparse remote supervisory control. Leveraging decades of naval architecture experience, Leidos began construction of Sea Hunter in 2014. With its modular trimaran design, the vessel is designed for enhanced stability in all kinds of weather. It incorporates a diverse sensor suite, including sonar, electro-optical, and short- and long-range radars. Through at-sea testing on a surrogate vessel, Leidos has proved ACTUV’s autonomy suite capable of operating the ship in compliance with maritime laws and conventions for safe navigation.

**Transformational Reliable Acoustic Path System (TRAPS)**

TRAPS is a rapidly deployable, low-cost, persistent, deep-ocean sensor system for long-range passive ASW. TRAPS nodes are deployable from a wide range of maritime platforms and provide up to one year of continuous surveillance.

**Autonomous Unmanned Underwater Vehicle (UUV) Delivery Communication (AUDAC) (Leidos)**

The AUDAC enables autonomous launch and recovery of small UUVs from a large host UUV to support data collection and dissemination.

**Combatant Craft Medium (CCM)**

CCM is a long-range, low-observable watercraft solution that can be tailored for individual or complementary vessel missions. It is capable of relaying critical intelligence to the warfighter at 52 knots during high-speed, coastal, and open-ocean maritime operations.

**Surveillance Towed Array Sensor System Team Trainer (STT)**

This family of trainers provides high-fidelity simulation and stimulation of submarine, surface, and integrated undersea surveillance system ASW sensors and is deployed worldwide in support of U.S. Navy personnel training activities.

**Survey Analysis and Area-Based Editor (SABER) Marine and Coastal Mapping**

SABER is an efficient tool for processing, editing, updating, viewing, and analyzing hydrographic survey data. It can generate depth, color-coded bathymetry, multibeam imagery mosaics, sonar imagery mosaics, survey coverage, and contour plots. When integrated with Leidos Automatic Contact Detection software, it can detect and measure bottom contacts in side-scan sonar data using neural network technology to measure dimension, reducing the number of false detections.

**Integrated Survey System (ISS-2000)**

The ISS-2000 allows professional hydrographers and surveyors to conduct a broad range of high-performance, shallow water survey operations with proven International Hydrographic Organization accuracy.
Mission IT

We deliver high value, low-cost IT services to support mission-critical operations in the intelligence community, DoD, and DHS, including:

- Systems integration
- IT mission support
- Application development and software maintenance support
- Cloud adoption, security, migration, and operations and management
- Analytic services
- Enterprise architecture
- Machine learning development and integration
- World-wide language services and solutions
- Geospatial services
- Help desk support

OUR SOLUTIONS

Comprehensive IT Solutions

Leidos provides a full spectrum of Mission IT Services for government agencies including asset management for office, conference, mobile requirements, service desk support, application management, and managed cloud, and data center services. As a managed service provider, we use our expertise in complex background operations to allow users to utilize the benefits of IT Services with ease.
Aviation Services and Operations (ASO)

The ASO mission area’s core capabilities center on fixed wing/rotary wing contractor logistics support and training. This includes, but is not limited to, aircraft and vehicle maintenance and repair; airborne intelligence, surveillance, and reconnaissance (ISR) mission services; systems management and modernization; training mission support; and logistics readiness support. We maintain Western and Eastern-Bloc produced rotary wing aircraft and possess specific part certification skills to identify lower quality counterfeit parts.

C5I Operations and Sustainment

Leidos is the provider of global mission-critical communications capabilities supporting joint services military personnel and coalition forces. We also specialize in C5ISR systems software sustainment, in-theater communications systems sustainment, post-production software support, fielding and training support, and cyber sustainment.

Public Relations and Communications Support

Our experienced communications team provides the full range of public relations and communications support. This includes writing, editing, graphic design, photography, videography, marketing, social media, conference planning and support, multimedia, website design, and mobile application development. We work in close collaboration with our government clients to understand their mission and provide them with cost-effective, innovative communications solutions.

Mission Infrastructure

Mission Infrastructure programs provide a range of services including basic facility support and operation, security, energy efficiency, and systems deployment. Leidos provides energy efficiency solutions that assist our customers to meet mandated sustainability requirements and capture Energy Conservation Incentive Program (ECIP) funding. Leidos Mission Infrastructure programs also provide enterprise solutions that maximize efficiencies across multiple sites, result in less redundancy, better customer service, and a reduction in cost.

Chemical, Biological, and Radiological Systems

Leidos provides technical, engineering, logistical, and operational, and maintenance support services. Our employees play an integral part in deploying and testing chemical, biological and radiological (CBR) equipment. We support our customers in the fielding and sustainment of chemical, biological, radiological-defense (CBRN-D) systems, materiel, and personnel that are deployed in support of domestic preparedness, consequence management, and counter-terrorist operations. Our teams also assist the customer staff in support of operational activities associated with contingency operations and National Security Special Events.

We provide cost-effective tools combined with experienced thought leadership and enhanced processes to meet global, mission-critical customer needs through:

- Rapid, efficient, agile development, modernization, and life-cycle support
- Emergency and battle management, Naval combat systems, land weapon systems
- Protection of assets through surveillance and command and control access control

OUR SOLUTIONS

LOGISTICS

PROVM

ProVM is a data management tool that captures maintenance actions, material suppliers, and failure rates to deliver actionable intelligence to the warfighter for effective decision-making and enhanced combat readiness as well as improved sustainment, operational reliability, and availability of platforms.

Logistics Commodities and Services Transformation (LCST) Program

Leidos is honored to support the UK Ministry of Defence’s Logistics Commodities and Services Transformation (LCST) program. This will help transform the UK’s defense supply chain by providing an integration of a complex mixture of services, at low risk, using a modern suite of systems that will modernize and transform the LCS organization into a streamlined, end-to-end commodity support chain able to meet the Operational Commanders’ requirements at the point of need. MOD customers will be able to generate higher customer confidence with the ability to see accurate stock levels and stock in transit, as live data, enabling Front Line Commands to make better decisions.

Navy, Range, and Infrastructure Programs

Leidos enables technical services support experience in depot operations enabling cost-effective solutions for mission-critical equipment. We perform scheduled and unscheduled maintenance on Navy assets, range operation services for the Department of Defense (DoD) preparedness, update, repair, and replace legacy systems with new technology, provide new radar data interfaces and range integration. Leidos develops emerging technologies into operational context, and integrates a complex changing threat environment with U.S. coalition and insurgent products.

OASIS

OASIS is a technology-based system that captures maintenance actions, material suppliers, and failure rates to deliver actionable intelligence to the warfighter for effective decision-making and enhanced combat readiness as well as improved sustainment, operational reliability, and availability of platforms.
Sensors

At Leidos, we develop innovative solutions in radar technology, electronic warfare, radiation detection, and ground sensing systems for advanced threat detection and real-time situational awareness in operational environments.

Our work in sensor systems solutions spans the full life cycle of development, including:

- Applied research
- Modeling and simulation
- Prototype development
- Operational system development
- Product manufacturing
- Algorithm development

OUR SOLUTIONS

Distributed Network Ground Sensing

We exploit breakthrough technology in micro-sensors and electronics to develop low-cost, networked ground sensors for ISR applications. We are experts in state-of-the-art ground sensing technologies; geophysics; design and development of very low size, weight, and power — cost, or SWaP-C, electronics; embedded software for device control and signal detection and exploitation; and physics-based network data-fusion algorithm design and implementation.

Electronic Warfare (EW)

We develop EW technology to dominate the electromagnetic spectrum while denying the enemy access to it. Our research focuses on advancement of electronic attack, electronic protection, and spectrum/sensing and resource management methods. We exploit commercial off-the-shelf (COTS) technologies to develop operational systems that feature low-cost reprogram ability; attractive size, weight, and power; and the ability to sense and adapt to a new or changing threat environment in real time.

Integrated Building Interior Surveillance System (IBISS)

The IBISS is a situational awareness tool for the warfighter that uses stand-off, through-wall radar sensors to reconstruct 3-D floor plans of building interiors, detect and track occupants, and display the composite dynamic interior situation in an interactive 3-D display.

Radiation and Radiography

We develop advanced portable radiography systems for use by military explosive ordnance disposal technicians to safely detect explosive devices in packages. We have delivered thousands of these devices to our customers. We also use our strong nuclear science and engineering skills to develop handheld 

High-Power Microwave (HPM) Ground-Based Counter/Improvised Explosive Device (IED) Pre-Detection System

The HPM ground-based counter-IED technology is designed for route clearance, convoy, and security control, offering the only system in existence today with the ability to successfully pre-detone hazardous explosives at safe ranges, protecting warfighters from exposure to blast and shrapnel. The system also performs successful pre-detonation of a varied set of explosive hazards encountered in combat situations.
Training

We develop, deliver, and maintain holistic live, virtual, and constructive (LVC) training systems to support force protection for fixed, semi-fixed, and expeditionary sites resulting in improved information management, operational performance, and efficiency, including:

- CBRNE solutions, emergency management
- Solution, product, and technology development for cross-platform training

OUR SOLUTIONS

One Semi-Automated Forces (OneSAF®)

OneSAF is the U.S. Army’s open-source, common constructive simulation platform for the Army, joint, and non-military communities to manage the entire simulation life cycle, from scenario development through after action review.

Non-Rated Crew Member Manned Module (NCM3)

The NCM3 is among the first virtual aviation crew trainers for the rear portion of the CH-47 Chinook and UH-60 Blackhawk aircraft. It enables helicopter crews to train together and improve mission coordination and proficiency prior to deployment.

RC-12X Cockpit Procedural Trainer

The Leidos cockpit trainer provides procedural, sustainment, and annual training simulation solutions for the RC-12X and Hawker Beechcraft King Air 350ER aircraft, enabling pilots and co-pilots to train without leaving the mission.

Synthetic Environment Core (SeCORE)

The U.S. Army’s SE Core Common Virtual Environment program provides simulations with the ability to fully integrate and operate within live, virtual, constructive, and gaming training domains to ensure the “fair fight.”

Cloud Simulation Infrastructure (CSI)

Using cloud technology and virtualization, Leidos has moved key simulation components into a common environment to provide easy, on-demand access to modeling and simulation– wherever and whenever you need it. Leidos Cloud Simulation Infrastructure enables organizations to deploy simulation solutions directly to remote users without the infrastructure investment, implementation lead times, and costs associated with legacy simulation approaches.

Memory Unit Tactical Air Crew Training Systems (MUTACTS)

The MUTACTS provides quick, accurate, and cost-effective post-flight review and analysis of military aircraft training missions. The MUTACTS and its companion product for pre-flight analysis, mission planning system (MPS), are both based on exportable map database technology.

Common Driver Trainer

The CDT product line supports vehicle-specific, high fidelity, operationally relevant, individual and crew combat vehicle driver training. Based on a common architecture of hardware and software components, the architecture of the CDT product line can be easily expanded to develop simulators for current and future military platforms.

Soldier Monitoring System

The Leidos Soldier Monitoring System provides a personal safety net for every member during live training, survival and other exercises. SMS helps address the top priority during training to prevent injuries and death of military and civilian personnel during live training.
Culture of Innovation

RESEARCH AND DEVELOPMENT (R&D)

Leidos has a well-funded innovation program, investing approximately $40 million per year on internal R&D projects. In addition, the Leidos team performs about $400 million per year of customer-funded R&D projects. These initiatives stretch across the national security, health, and infrastructure markets and all push toward the goal of uncovering answers to help solve our most complex and important problems. We have a history of rapidly transitioning emerging technologies to operational use, making an impact to our customers. We provide solutions for intelligence agencies and the DoD service arms, including the Defense Advanced Research Projects Agency (DARPA).

OUR TEAM

We have a commitment to sustain a culture of innovation at all levels within Leidos, and the right people are in the right place to make it possible. About 40% of staff have degrees in science, technology, engineering, or math (STEM) fields, and there are more than 70 Technical Fellows in the company. Technical Fellows are Leidos technical staff members with recognized stature in their chosen fields as national, even world-class, experts. Our technical staff are key differentiators for Leidos.

Dr. John J. Fratamico
CHIEF TECHNOLOGY OFFICER

John J. Fratamico, Jr., Ph.D., is the Chief Technology Officer at Leidos. In this role, he oversees the Office of Technology and Engineering, which conducts research and development across all markets to unlock potential scientific discoveries or improvements in technology, supporting C4ISR and data analytic requirements for customers. Prior to the Leidos merger with Lockheed Martin’s Information Systems & Global Solutions business, Fratamico served as the president of the Surveillance and Reconnaissance Group (SRG) at Leidos, where he led more than 2,500 technical specialists in areas of multi-spectral; airborne; ground; maritime intelligence; surveillance and reconnaissance collection and processing systems; advanced sensor design and associated training; and command & control.

Fratamico earned his bachelor’s, master’s, and doctoral degrees in electrical engineering from the Massachusetts Institute of Technology (MIT). During his tenure at MIT, he was selected as a Fellow of the Fannie and John Hertz Foundation. Within the Institute of Electrical and Electronics Engineers (San Diego Chapter), he has served as chairman of the Microwave Theory and Technique Society and the Antennas and Propagation Society. He has also served as an instructor of extension courses at the University of California in Los Angeles.

ADVANCED DEGREES

964 employees with PhDs
6,259 employees with Master’s Degrees
39% employees with STEM Degrees
About Leidos

Leidos is a Fortune 500® science and technology 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 $7.04 billion for the fiscal year ended December 30, 2016.