

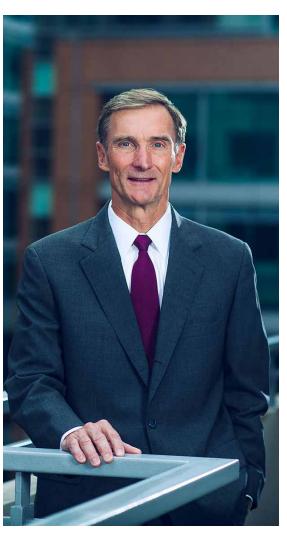
Making the World Safer, Healthier, and More Efficient



## **CAPABILITIES OVERVIEW**

CIVIL DEFENSE HEALTH INTELLIGENCE

www.leidos.com



# Leading 37,000 forward thinking employees towards shared success

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.

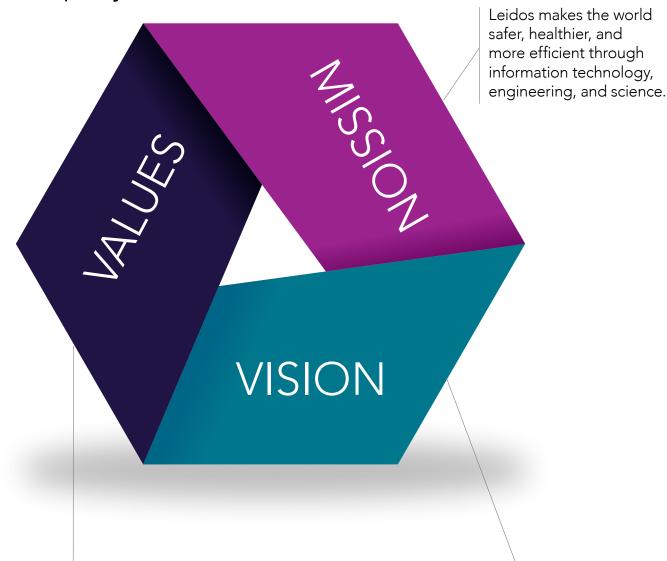
#### **ROGER A. KRONE**

CHAIRMAN AND CHIEF EXECUTIVE OFFICER



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## Our Company



**INTEGRITY** is having the courage to make tough ethical decisions, taking pride in our work, being transparent with our team, and being respectful of everyone.

**INCLUSION** is fostering a sense of belonging, welcoming all perspectives and contributions, and providing equal access to opportunities and resources for everyone.

**INNOVATION** is not limited to our engineers and scientists. We must all act as catalysts. Be tenacious and curious to help us excel, and be a part of a learning organization.

**AGILITY** is our ability to think and act small while using the size and strength of our balance sheet to our advantage. It is about being flexible, creative, and resilient.

**COLLABORATION** is being inclusive, team-oriented, and proactively engaging—building relationships and staying connected with each other.

**COMMITMENT** to our customers and our team means we are accountable, take ownership, model servant leadership, and operate with a sense of urgency.

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.

## Solve something important.

Important work never stops. That's why Leidos employees wake up every morning to solve important problems for our customers. Our mission is to make the world safer, healthier, and more efficient with IT, engineering, and science. We're driven by the impact and legacy of our work. Choose Leidos, and let's solve something important.

#### THE CORE COMPETENCIES AT THE HEART OF OUR ENTERPRISE

Our technical core competencies underpin the work we do for our customers every day.



#### Cyber

Our solutions and services ensure an adaptive defense strategy, proactive resilient security posture cyber operations.



#### **Digital** Modernization

We take a user-centric approach to digital modernization by delivering purpose-built solutions



#### **Integrated Systems**

Our integrated systems are built on the foundations of agility, modularity, extensibility, open standards, and



#### **Mission Software** Systems

systems are designed to manage complexity



#### **Mission Support**

Mission Support provides expertise and solutions in areas such as contract transition, program execution, and staffing and workforce management.



#### **Operations & Logistics**

Our Operations & Logistics teams provide transformational logistics understanding and commercial best quantifiable results.



#### Sensors, Collection & Phenomenology

processing capabilities, and integrate requirements across operational

#### THE MARKETS WE SERVE

## CIVIL



Our Civil business helps modernize infrastructure, systems, and security for both government and highly-regulated commercial customers looking for transformative solutions in mission IT, security, software, engineering, and operations.

## **DEFENSE**



Our defense business provides global customers with an innovative portfolio of secure, seamless systems, solutions, and services for multi-domain dominance and informed decision making in every environment.

## **HEALTH**



Our formula to improve healthcare is simple – fuse the world's most advanced technologies with the brightest minds in science, research, and delivery operations.

## **INTELLIGENCE**



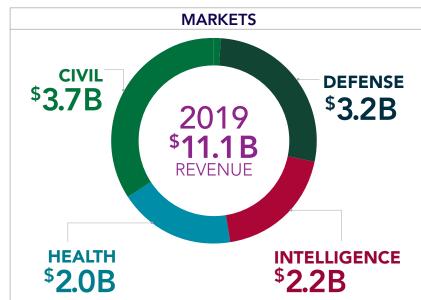
We use cutting-edge technology and capabilities to support our customers' critical missions and defend against evolving threats around the world.

#### **KEY STATISTICS**

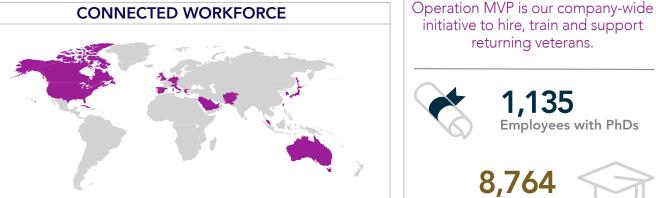




37,000+/employees worldwide



## WORKFORCE **Cleared Employees Employees are Military** Veterans



Leidos is well positioned for growth, with subject matter experts currently operating in 410 locations around the world, including more than 2,000 employees in international locations.





**56**% Employees working at customer sites

initiative to hire, train and support returning veterans.



1,135 **Employees with PhDs** 

**Employees with** Master's Degrees



#### **HONORS**





### Leidos Innovations Center



Leidos is a company built on scientific research and development (R&D). From our first contract in 1969 researching the effects of nuclear weapons, to our ongoing research in artificial intelligence and machine learning, Leidos has a legacy of important innovation. The Leidos Innovations Center (LInC) focuses on contract research programs with our customers to solve next generation problems.

## CIVIL

Our Civil business helps modernize infrastructure, systems, and security. We are a trusted partner to both government and highly-regulated commercial customers looking for transformative solutions in mission IT, security, software, engineering, and operations. We work with our core customers including the U.S. Customs and Border Protection, Department of Energy, Federal Aviation Administration, NASA, National Science Foundation, Transportation Security Administration, airports, and electric utilities to make the world safer, healthier, and more efficient. We combine our scale as a Fortune 500 company with the deep technical knowledge of our core competencies and the expertise of our talented and diverse workforce to deliver mission-centric innovations.



Airport and Border Security

Artificial Intelligence/Machine Learning

**Aviation Systems** 

Cloud

Critical Infrastructure Security

Cybersecurity

Enterprise IT Modernization

Environment and Infrastructure

**Energy Efficiency** 

Mission Operations and Logistics

**Power Delivery** 

#### **PRIMARY CUSTOMERS**

Customs and Border Protection

Department of Energy

Federal Aviation Administration

Global Airport Operators

Department of Justice

NASA

National Science Foundation

Transportation Security Administration

Utilities

Services

#### **MARQUEE PROGRAMS**

NASA End User Services Technologies

DOE Hanford Site Mission Essential

NSF Antarctic Support Contract

NASA Cargo Mission Contract

FAA En Route Automation Modernization

FAA Mode S Beacon Replacement System

Schipol Airport Checkpoint Modernization

Entergy Power Delivery and Digital Utility

Duke Energy Power Delivery Services

## **DEFENSE**

From seafloor to cyberspace, Leidos is delivering innovative solutions that help our customers protect what's most important. Our uncompromising focus is on evolving and accelerating readiness, resilience, and strategic modernization. Leidos has nation-scale expertise, working alongside domestic and international organizations and agencies—including the DoD, DISA, and all branches of the U.S. military—to revolutionize and future-proof their capabilities around the world and across domains.

With a 50-year heritage, an agile workforce, and a dedicated innovation center, Leidos is bridging the gap between industry and academia and government challenges. We're bringing to bear a new generation of tools, technologies, and systems that are changing the way our global customers protect citizens and critical assets and information.



Airborne ISR

Artificial Intelligence/Machine Learning

C4ISR

**Cloud Migration** 

Cyber

Data Analytics

Digital Modernization

Maritime Autonomy

Modeling, Simulation and Training

Operations and Logistics

Secure Development and Operations

Sensors and Situational Awareness

**Undersea Sensors** 

#### PRIMARY CUSTOMERS

U.S. Army

U.S. Air Force

U.S. Navy

DARPA DISA

COCOMS

#### MARQUEE PROGRAMS

DISA GSM-O

Airborne ISR Platforms

Air Force ACC ISR

**AFGHAN CLS** 

GCSS-AF

AFNCR Enterprise IT

Warfighter Readiness Training

High Fidelity Simulation

F16 AIS PSI

Navy Sea Hunter

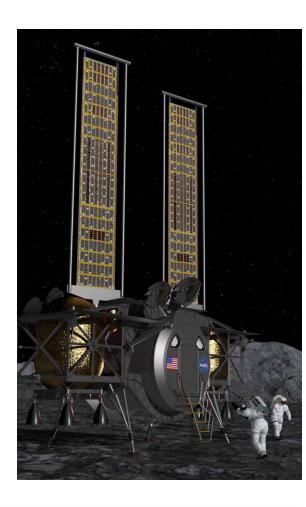
Army AFATDS

**VAREC Fuels Management** 

## Dynetics-LInC

Dynetics, a wholly-owned subsidiary of Leidos, is an industry-leading applied research and national security solutions company. More than 2,500 employees across ten states deliver high-technology, mission-critical services and solutions to U.S. Government customers including DARPA, NASA, the Intelligence Community, and the branches of the U.S. military. Our expertise spans hypersonic weapon development, directed energy, cybersecurity, advanced manufacturing, space and critical infrastructure sectors.

The Leidos Innovations Center (LInC) is the technology-driven core of Leidos and continues our tradition of solving the toughest scientific and engineering problems for customers. The LInC develops groundbreaking solutions leveraging a wide range of technologies, including advanced computing, AI/ML, signal processing, and sensing, transitioning advanced technologies from the laboratory to operational systems for our customers.



AI/ML and Data Analytics

Autonomy

Cyber and IT Solutions

Directed Energy – Laser and High Power Microwave

Distributed Ground Sensing

**Electronic Warfare** 

Foreign Weapons System Intelligence

Hypersonics

Space Systems, Sensors, and Platforms

**Unmanned Systems** 

Weapons Technology

#### **PRIMARY CUSTOMERS**

U.S. Air Force

U.S. Army

U.S. Navy

DTRA

Intelligence Community

NASA

OSD (DARPA, MDA)

#### **MARQUEE PROGRAMS**

Adaptive Radar Countermeasures

Common Hypersonic Glide Body

Production

Gremlins Recoverable Unmanned Aircraft System

HBTSS and Next Gen OPIR

Human Lunar Landing System

Mobile Force Protection

Small Glide Munition

Space Launch System Universal Stage Adapter

THOR High Power Microwave

## HEALTH

From the research bench to the patient bedside, we integrate engineering, science, and clinical insights with technology to develop impactful, outcomebased solutions.

Recognized as a Top 10 Health IT provider, Leidos draws on decades of success to deliver a range of solutions and services designed to meet the healthcare challenges of today. We deliver a broad range of customizable, scalable solutions to hospitals and health systems, biomedical organizations, and every U.S. federal agency focused on health.

Leidos works with customers across the continuum of care to improve clinical, operational, and financial outcomes with innovative solutions that advance the next generation of care. Our mission is to contribute to creating a healthier world.



Artificial Intelligence/Machine Learning

Digital Modernization

**Electronic Health Records** 

Industrialization of Healthcare Operations

Life Sciences

**Medical Exams** 

Secure Agile Development/ Operations

#### **PRIMARY CUSTOMERS**

CMS

Defense Health Agency (DHA)

Department of Veterans Affairs

Health and Human Services

Social Security Administration

Commercial Payers & Providers

#### **MARQUEE PROGRAMS**

CMS IHCSS

DHMSM/MHS Genesis

FDA MARCS

Frederick National Laboratory for Cancer Research

VBA Medical Disability Exams (MDE)

## INTELLIGENCE

Our intelligence capabilities provide seamless transition from strategic to tactical levels, integrating novel methods into current operations and leveraging big data architectures and analytics that allow users to provide critical decision support at revolutionary speed.

With expertise in cloud-enabled automation and augmentation and a team adept at harnessing machine learning, we're applying powerful analytic tools for superior performance and protection despite a staggering breadth of data.

We're focused on ensuring our intelligence customers have the right tools, technologies, and tactics to keep pace with an ever-evolving threat landscape and succeed in their mission to protect people and critical assets around the world.



Artificial Intelligence/Machine Learning

C4ISR

**Cloud Migration** 

Cyber

Data Analytics

Digital Modernization

Intelligence Services, Analysis and Linguistics

Operations and Logistics

Secure Development and Operations

Department of Homeland Security

DNI

NGA

Classified Intelligence Community Programs





**OUR PEOPLE MAKE** 

THE DIFFERENCE





**WORLD'S MOST** 



















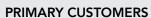












Customs and Border Protection

DIA

FBI

NSA

Classified

Australian DoD

Australian Taxation Office

#### **MARQUEE PROGRAMS**

CP CIOG

**NOTEWORTHY** 

**TECHNICAL CORE COMPETENCIES** 

## CYBER

#### **FULL SPECTRUM CYBER**

Leidos is a recognized leader in cybersecurity, bringing more than 30 years of experience defending cyber interests globally and delivering advanced capabilities honed from protecting some of the world's most valuable assets. Our solutions and services ensure an adaptive defense strategy, proactive threat protection, and a resilient security posture. Our team of cybersecurity experts brings an established track record for delivering agile, mission-enabling cyber solutions in both defensive and offensive cyber operations.

#### **Security Operations Center (SOC)**

Leidos is the premier provider of SOC services and defensive cyber operations leveraging our industry-defining cyber methodologies to enable analysts and ensure cyber resiliency in highly-regulated and mission-critical environments. PACKIT<sup>TM</sup> (Proven, Analytic-Centric Kill Chain Implementation, and Transformation) is our threat-based approach to conducting cyber defense and improving an organization's cybersecurity posture transforming SOCs to Security Intelligence Centers (SIC).

#### **Risk Management Framework**

Security, at its core, is a risk analysis and management activity, balancing performance, cost, and risk. This starts with a successful system authorization to operate (ATO) and proper alignment to the risk management framework (RMF). In addition, Leidos' Risk and Privacy Management Acceleration Playbook is a repeatable approach for implementing RMF, where best practice tools, templates, and techniques are provided to our customers.

#### **Cyber Analytics**

Leidos brings analytics and automation to the enterprise to increase the productivity, ROI, and quality of work of our human capital. One example is our Foundational Automation Support Technology (FAST) framework; an innovative approach to automatically discover and track all IP-addressable network devices—reducing manual, labor-intensive processes like asset inventory. FAST facilitates analytics and a robust configuration management database (CMDB) that is continually validated and improved.

#### **Insider Threat**

Our risk-based services integrate both technical and non-technical system elements for a truly holistic defense against insider threats. Using anomaly detection and analytics, we identify unusual activity based on peers, time of day, and previous activity and correlate this activity with external risk factors to produce a weighted risk score and prioritize internal investigations. Our proven solutions can complement existing technical tools or be deployed independently.

#### **Information Assurance**

To help our customers keep pace with the Federal Information Security

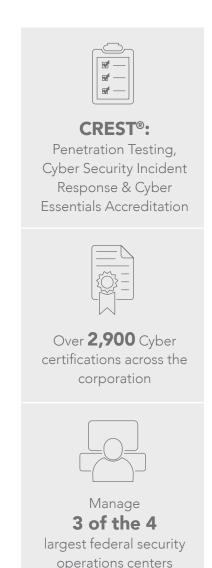
Modernization Act (FISMA) Leidos' IonIA<sup>TM</sup> helps determine what is reportable and expedites FISMA compliance by defining, maintaining, and continuously monitoring your systems through every security layer.

#### **Accredited Testing and Evaluation**

The Leidos Accredited Testing and Evaluation Lab is certified by the National Institute of Standards and Technology (NIST) NVLAP Program. As the industry volume leader, our AT&E Lab has certified more than 1,000 IT security products across 100+ commercial product vendors, including Microsoft, Hewlett Packard Enterprise, Dell, Cisco, and Symantec.

#### **EXCITE**

To help address the cyber workforce shortage and train new analysts, Leidos developed Experiential Cyber Immersion Training and Exercises (EXCITE) – a set of realistic, hands-on exercises that immerse students in the reconstruction and mitigation of a full attack scenario in a lab environment.



## DIGITAL MODERNIZATION

#### **MODERNIZING THE MISSION**

Leidos is a recognized leader in digital modernization across the federal government as well as in the commercial sector. Driven by our diverse and talented workforce, we help our customers achieve their missions and IT business goals by delivering purpose-built solutions and managed services, comprehensive, integrated cybersecurity, and efficient project delivery while focusing on end-user satisfaction.

Leidos has the depth and scale to provide IT processes, playbooks, enterprise services, tools, and training to meet mission requirements at speed and scale. Our efficiency comes from our experience in cloud, automation, SecDevOps, continuous integration and delivery, and reuse-sharing in successfully supporting some of the world's largest networks. We also go a step further by applying our data analytics expertise to continually monitor and take action on technical performance metrics, including service cost, quality, and risk.

#### **OUR APPROACH TO VALUE CREATION**

At Leidos, we take a user-centric approach to digital modernization that focuses on the user and the mission first and foremost, enabled by efficient IT managed services. Once we have the user-centric solution in place, we leverage automation and re-use to create the best value.

#### **User Engagement**

It's important to understand users first and then engage them based on their preferences. At Leidos, we deliver an efficient and effective user-centric experience enabled by a seamless and transparent approach to IT infrastructure, IT service management (ITSM), IT catalogs, and IT roadmaps.

#### **Digital Workplace**

Physical boundaries no longer define today's workplace. As more and more users work remotely, the digital workplace focuses on leveraging technologies, high-speed network, and rapid delivery of capabilities to significantly improve IT delivery.

#### Mobility

Technology users demand secure access to systems and networks from nearly anywhere. Leidos helps customers develop a mobile-first architecture to manage not only the mobile devices but the security and infrastructure to make mission-critical systems available on-the-go.

#### **Cloud Migration**

Unleashing the potential of the cloud can create unique, innovative, and sustainable competitive advantages. With services ranging from strategy, design and build, migration, managed services, automation, and orchestration, we help our customers along the entire cloud adoption journey.

# Top 100 IT Contractors 1,000 Public/Private Cloud Migrations



network

#### Data Center and Application Modernization

Transformational digital solutions are reliant upon modernizing legacy applications and IT infrastructure. We help organizations right-size their data center and network footprints to reduce costs, improve cybersecurity, and simplify the management of cloud, network, and application infrastructure.

#### SecDevOps

Leidos' focus in SecDevOps is to provide an integrated and standard set of tools and methods that results in reduced security risk while meeting business objectives of faster and more cost-effective project delivery. Our SecDevOps capabilities lead to increased efficiency, provide continuous integration/continuous delivery, and enables fully automated deployments with consistent, repeatable results. At Leidos, increased communication and shared responsibility of our development, operations and security engineers, combined with security-as-code and infrastructure-as-code methods, empower our teams to deliver innovative and modern solutions.

**TECHNICAL CORE COMPETENCIES** 

## 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 address 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.

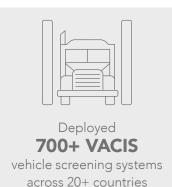
#### **Security Detection & Automation Solutions**

With the acquisition of L3Harris Technologies' Security Detection and Automation businesses, Leidos is now a global leader in security technology systems for airports, ports and borders, and other critical infrastructure. We deliver fast, frictionless and fully integrated solutions that secure the movement of people and commerce around the world.

With our new, combined portfolio of security detection and automation solutions, Leidos has more than 24,000 products deployed across 120 countries. Leveraging this comprehensive portfolio, our core technical strengths, and robust R&D initiatives, Leidos will help our global customers address emerging and evolving threats through rapid development of innovative solutions.

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

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





The ProVision platform is the most widely deployed advanced personnel screener, with

2,400+ procurements

worldwide



Manufactured over

65,000

nuclear detection, radiographic sensors, and imaging systems

## MISSION SOFTWARE SYSTEMS

#### **MODERNIZING AND INTEGRATING LEGACY SYSTEMS**

Legacy software solutions are often costly to maintain and cannot keep pace with evolving user needs, dynamically changing requirements, and complex environments. Many organizations need to modernize these legacy systems and integrate new technology all while adhering to strict timelines and budget. Our mission software systems are designed to manage complexity in environments that require security, precision, speed, and scale in equal measure. Our "SecDevOps" approach puts security first and foremost, and our data-centric design and analytics build secure systems that reduce lifecycle maintenance and development costs. This enables continuous testing of new technologies and accelerated delivery of innovative solutions. Our Mission Software Systems experience spans multiple market sectors, transforming operations in Defense, Healthcare, Aviation, and Intelligence.





15% reduction
in the total cost of care for South
Florida hospital system using
careC2



#### **Leidos Software Factories**

The Leidos Software factories develop high-quality applications quickly and at low cost using industry-leading Agile and SecDevOps practices and tools. This approach is proven to reduce fielding cycles and modernize applications three times faster than using traditional methods. We have extensive experience modernizing legacy applications into scalable microservice architectures—delivered using proven continuous integration/continuous delivery pipelines—and deploying applications in customer-preferred environments (from on-premises to full cloud deployment).

#### Leidos Enterprise Application Framework (LEAF)

Building tailored or adapting off-the-shelf software can be cost prohibitive and come at the expense of ease of integration and adaptation as new technologies emerge. The Leidos Enterprise Application Framework (LEAF) provides a reusable and extensible framework that allows for rapid prototyping and delivery of new applications across markets.

#### careC2™

careC2 is a modern platform that drives integration and interoperability across the health systems, products, and settings. It enables rich integration, normalization, and management of data from disparate devices and formats. The platform provides an operational framework for clinical performance improvements to efficiently deliver the right services to the right patient at the right point in the health journey. It provides a configurable command and control view for collaboration with real-time information to execute the customers' desired outcomes.

#### One Semi-Automated Forces (OneSAF)

Mission execution and survival depend on having the right tools, training, and talent in the right place, at the right time. Providing the foundation and architecture for complex constructive simulation, 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.

#### **Data Science and Engineering**

We combine our deep mission expertise with tailored analytic systems such as data and predictive analytics, data mining and analysis, artificial and machine learning, healthcare analytics, and data visualization and engineering—to turn that data into valuable knowledge and insights for our customers.

**TECHNICAL CORE COMPETENCIES** 

## MISSION SUPPORT

#### INNOVATIVE SOLUTIONS TACKLE DEMANDING CHALLENGES

Leidos serves a wide range of government agencies in the areas of civil, defense, health, and the Intelligence Community. Through our years of direct support to these agencies, we have developed a robust understanding of our government customers and the ability to provide innovative solutions to their most demanding challenges. Mission Support provides solutions in areas such as contract transition, program execution, and staffing and workforce management.

#### **Contract Transition**

The Leidos proven Startup, Transition, and Transformation<sup>SM</sup> (StarTT<sup>SM</sup>) methodology transfers as-is operational responsibility from the incumbent contractor to Leidos with minimal disruption to operations and no loss of mission effectiveness. StarTT is a critical part of our overall service delivery model, and our proven framework provides strategies and processes that facilitate performance excellence. We use a program start-up matrix to identify and assess the readiness of program start-up and execution and prioritize transition tasks and timing.

#### **Program Execution**

Our Resource Management System (RMS) is a "cradle to grave" tool for overall program execution—from developing the initial staffing plan to managing program transition and execution, through contract closeout to ensure accurate knowledge transfer.

RMS is a complete program management toolkit that automates critical processes and operational workflows and provides near–real-time transparency into staffing, deliverables, and program performance. It cost-effectively enables program stakeholders to monitor performance-leading indicators, implement control measures, and provide complete transparency into contract performance. RMS allows Leidos program managers, functional leads, and staff to collect program data, analyze trends, and efficiently and proactively take action on issues.

#### **Staffing and Workforce Management**

Effective workforce staffing and management can be particularly challenging for Leidos' government customers, with requirements for: 24/7 staffing, frequent surge support, and special clearances; competition with commercial industry for skills that are complex and in demand; the need to recruit qualified personnel for relocation to dangerous or remote locales; and compliance with government and union regulations.

To meet these challenges, Leidos has developed R³ISE—our proven integrated methodology for predictive ongoing program planning, timely recruitment, and onboarding, and retention, to ensure a program fully staffed for mission operations and right-sized for cost efficiency. Our programs also leverage our internal HR processes, tools, experience, expertise, and best practices for the benefit of our customers.



StarTT utilized on
100+ contract
transitions



Resource Management System successfully supported

**120 programs** over three years



Security Service
Center manages
clearances of over

13,000 cleared employees

## **OPERATIONS & LOGISTICS**

#### **ADVANCING MISSION READINESS**

Leidos is a recognized leader in operations and logistics with unrivaled performance on complex programs that support warfighters and military service members across the globe, civil servants at headquarters locations and in the field, and researchers making scientific discoveries from the edges of the earth to the farthest reaches of the solar system. We advance mission readiness through our analysis of our customers' data sets and deliver insights into readiness and reliability and the cost drivers associated with them. We leverage our lessons learned into best practices to implement across programs to deliver improved cost savings and efficiency. Our agnostic approach to COTS implementation and integration ensures that the most appropriate technology is used to deliver cost-effective solutions. As required, we leverage enabling proprietary technologies for enterprise resource management, analytics, and automation.

#### **OPTIMIZING AND SECURING THE SUPPLY CHAIN**

At Leidos, we ensure mission success, at both local and international scale. We take great pride in the identification, planning, resourcing, and implementation of supply chains that maximizes and optimizes efficiency while maintaining security and resiliency. We develop strong supplier relationships that support our efforts in security and obsolescence management.



Manage storage and distribution of over **130,000 commodities** 

across 600 locations worldwide for the UK Ministry of Defense



Pack **35,000+ lbs. of cargo** for the International
Space Station each year



Move **20M lbs. of cargo**per year to support the National
Science Foundation's Antarctic
program

#### **CONDUCTING EFFECTIVE OPERATIONS**

Our staff brings extensive knowledge and expertise from their days as government operators and logisticians. We leverage our substantial operational understanding to focus on your mission to deliver solid program execution with cost-effective, quantifiable results. They include complex operations that may require modeling and simulation to optimize outcomes, and also include missions in complex (austere/remote) environments.

#### **Operations**

Aviation Energy Ground Radar and Ranges
C4ISR Installations Maritime Sensors

#### **Transformational Logistics**

Product Support and Lifecycle Sustainment services include the planning and management of cost and performance across the product lifecycle from procurement to disposal; ensuring that all aspects of sustainability are considered and evaluated to include supply support; packaging, handling, storage and shipping; maintenance planning; technical data; sustaining engineering; manpower and personnel; facilities and infrastructure; and others.

Enterprise Solutions include large-scale end-to-end support chain optimization, modernization, and management efforts that deliver secure, resilient, and agile logistics. They are defined by their complexity to the customer mission, nature of the commodity, or the environment.

Logistics Support services include the activities our customers require to successfully execute their missions. Types of support include training, maintenance, storage, security, transportation, supply management, analysis, software development, packaging, and field services. These missions are defined with performance parameters and have measurable outcomes.

# SENSORS, COLLECTION & PHENOMENOLOGY

#### SCIENCE MEETS TECHNOLOGY

Leidos takes a disciplined approach to understand the underlying science, no matter the sensing modality, of the object of interest and environment at the most fundamental level possible; this includes understanding the object signature and of potential clutter sources. We then look at technology capable of sensing the object of interest, understand the physics of each method of detection and apply mathematical signal/image processing techniques to derive actionable insight. We cover a wide range of sensing modalities and implement multi-sensor data fusion and tracking algorithms improving detection sensitivity and tracking accuracy.

#### Electro-Optical (EO) and Radio Frequency (RF) Sensing

We develop innovative solutions in sensing and signal processing for space infrared, infra-red (IR), ultraviolet (UV) and multi-/hyper-spectral sensing, radar, and RF communications applications. Our work often focuses on real-time threat detection and situational awareness in demanding tactical and strategic environments including development of high-performance space EO/IR sensors and signal processing for detection and tracking of ballistic and hypersonic threats. We also develop novel sensors for space situational awareness and remote proximity operations.

#### Ground, Ocean, and Radiation Sensing

Leidos performs acoustic, magnetic, and seismic sensing technology using very low space, weight, and power (SWaP) sensing and signal processing applications that include ultra-low power cueing technology to enable long life. Our ocean sensing systems include sensitive passive acoustic technology to detect and counter surface and subsurface threats, a buoy-based "Internet of Things" for sensing the ocean surface over wide areas, along with autonomous surface and undersea systems carrying sensors and anti-torpedo countermeasures. We develop and deploy radiation sensing devices including X-ray radiography imaging systems for explosive ordnance disposal (EoD) applications, solid-state neutron detectors for border portal monitoring, gamma backscatter sensors for contraband detection and gamma-ray spectrometers for detection, location, and ID of radiation sources.

#### **Advanced Computing**

Leidos transitions advanced solutions to programs of record in low-SWaP, high-performance packages, including high computer processing capacity for applications where low latency is critical, onboard processing is essential and communication bandwidth is limited. This includes design, development, and fabrication of novel System-on-a-Chip (SoC) processors exploiting the latest signal and imaging technology derived from commercial cell-phone/smartphone processor cores and high-speed inter-processor communications fabrics.

#### **Electronic Warfare**

We lead in the development of advanced Electronic Warfare technology including best-in-class Cognitive EW solutions using machine learning that enables systems to sense and learn the signal environment, discern previously unseen threats, and negate them in real-time. We also develop systems for detecting and locating emitters ranging from high-frequency sources to X-band.

#### Assured-Position Navigation and Timing (A-PNT)

Leidos develops imaging systems to provide high accuracy PNT even in the absence of GPS navigation signals. We develop and field systems for missile, manned/un-manned aircraft, and ground vehicle applications.

#### **Biometrics**

We understand the power of unique human identification and play an active role in programs critical to the safety of citizens, facilitation of commerce, and security of nations with biometric solutions. We develop a range of innovative devices, systems, and algorithms to support automated fingerprint and palm print identification, facial and iris recognition, DNA identification, and all other forms of biometrics security.

#### **Tactical Data Links**

We enable the rapid delivery and exchange of information between command and control and sensor platforms within land, air, maritime, and space domains, to deliver situational awareness and enhanced operating effectiveness via mission-critical communication systems. This includes SDR systems and MANET network for demanding applications.



Our A-PNT systems provide

>10m accuracy for airborne & ground

applications in GPS-denied environments



Designed, fabricated, integrated & tested the

**first commercially**-hosted military geo-synchronous staring

wide field-of-view EO/IR space payload



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#### **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 37,000 employees support vital missions for government and commercial customers. Headquartered in Reston, Va., Leidos reported annual revenues of approximately \$11.09 billion for the fiscal year ended January 3, 2020.

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