

# TECHNICAL CORE COMPETENCY OVERVIEW: Operations & Logistics



## ADVANCING MISSION READINESS

Leidos is a recognized leader in operations and logistics with unrivaled past 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. As the contractor responsible for running the world's longest supply chain from North America to Antarctica, we analyze our customers' data sets to deliver insights into costs and reliability while optimizing their supply chains, and take great pride in the identification, planning, resourcing, and implementation that maximizes the efficiency between supply and demand.

Whether your logistics requirements call for long-term sustainment or short-term training, we employ a systematic approach that leverages requirements-based solution architecture, agnostic systems expertise, reach back into technical enablers, and program employees with deep domain experience. Leidos maintains a formal solution architect program where we develop a cadre of highly-skilled professionals who lead the development of truly innovative and differentiated solutions. Our agnostic approach to COTS implementation and integration ensures that the right tools are used to deliver a cost-effective solution. As required, we leverage enabling proprietary technologies for enterprise resource management, analytics, and automation. And finally, our staff brings extensive knowledge and expertise from their days as government operators and logisticians.

## ORCHESTRATING THE MOVING PARTS

At Leidos, we connect critical components to ensure mission success whether at local or international scale. We focus on your mission by bringing a solid logistics strategy, deep operations knowledge optimized to support your mission, innovative approaches to manual processes, management of the value chain, and a large technology portfolio for quantifiable results.



## OPERATIONS & LOGISTICS TAXONOMY

### Operations

- › Aviation
- › C4ISR/Intelligence
- › Energy
- › Facilities
- › Ground
- › Maritime
- › Mission Support
- › Radar
- › Sensors
- › Supply Chain

### Logistics

#### Life Cycle Sustainment Management

- › Product Support Management
- › Supply Support
- › Packing, Handling, Storage and Transportation
- › Maintenance Planning and Management

#### Technical Management

- › Design Interface
- › Sustaining Engineering
- › Technical Data
- › Computer Resources

#### Infrastructure Management

- › Facilities and Infrastructure
- › Manpower and Personnel
- › Support Equipment
- › Training and Training Support

## BY THE NUMBERS

**20,000**

round trip miles comprises the world's longest supply chain to Antarctica

**35,000**

pounds per year of International Space Station cargo processed

**18**

tons of material installed for NAVSEA PEO integrated warfare systems

**1M+**

OEM certified parts procured/delivered for Afghan rotary/ fixed wing aircraft

# REPRESENTATIVE PROGRAMS

## Antarctic Support Contract (ASC)

### NATIONAL SCIENCE FOUNDATION-MANAGED U.S. ANTARCTIC PROGRAM

Leidos handles the bulk of logistics for the U.S. Antarctic Program, including the operation and maintenance of 800,000 square feet of buildings at McMurdo Station, Amundsen-Scott South Pole Station, and Palmer Station, procurement and supply chain management of all food and supplies, operational support for science programs, operation of research vessels, onsite facilities engineering and construction, and transportation to and from the ice. Program accomplishments include:

- ▶ Procurement and management of 92 million units in stock, in 62 warehouses, on three continents
- ▶ Maintenance and operation of 500 pieces of rolling stock across three field stations and multiple field camps – including snowmobiles, tracked vehicles and heavy equipment tractors
- ▶ Coordination of 3,000 commercial airline ticket purchases a year for deploying researchers and other personnel, and performance of medical screening to ensure fitness for rigors of polar isolation
- ▶ Management and operation of two research vessels that average 250+ days at sea a year
- ▶ Planning and support for 150+ science projects across the continent, with a total of more than 800 scientists

## Cargo Mission Contract (CSC)

### NASA JOHNSON SPACE CENTER (JSC)

From hardware and experiments to toothpaste and food, Leidos processes and packs critical cargo to keep the International Space Station (ISS) fully stocked. In addition to NASA, the program supports the cargo needs of SpaceX, Orbital, HTV, and Russian flights. Program accomplishments since 2011 include:

- ▶ Processing of 80,000 individual pieces of flight crew equipment
- ▶ Production of 550,000 decals, labels and placards
- ▶ Packing of 3,270 cargo transfer bags
- ▶ Processing of 5,100 domestic and international shipments
- ▶ Production of 1,500 custom foam products to protect critical science and hardware

## Logistics Commodities and Services (Transformation) [LCS(T)]

### UNITED KINGDOM MINISTRY OF DEFENCE (UK MOD)

As the prime contractor for a 13-year logistics programme for the UK MOD, Leidos is responsible for the procurement and inventory management of commodity items including food, medical and general stores, clothing, oils, lubricants and gases, the storage of non-explosive inventory, as well as the management of the associated distribution and freight services including munitions. The scope of work includes:

- ▶ Design, build, and management of 85,000 square-metre Defence Fulfilment Centre, with an integrated automated storage and retrieval system to increase velocity in materiel movement
- ▶ Implementation of the Support Chain Integration Platform (SCIP) that enables plug-and-play integration and reporting capabilities with business systems such as order management, procurement, demand forecasting, inventory management, warehouse management, and transportation management

For more information visit: [leidos.com/ops-logistics](https://leidos.com/ops-logistics)

## Afghan Air Force (AAF) Contractor Logistics Services (CLS)

### U.S. ARMY CONTRACTING COMMAND

Logistics support services including flight operations, maintenance, logistics, functional and airworthiness check flights, quality, supply operations, repair of repairables (ROR), spare parts and material procurement and training support of 100 fixed and rotary wing aircraft operating in Afghanistan. Program accomplishments include:

- ▶ Day and night vision flight training on Mi-17 and PC-12 aircraft for 140+ AAF personnel including pilots, mission system operators and crew chiefs
- ▶ Classroom and on-the-job maintenance training for 600+ AAF and Special Mission Wing (SMW) personnel, including Aviation Ground Support Equipment (AGSE) and Training Aids, Devices, Simulators, and Simulations (TADSS)
- ▶ Procurement and delivery of 1 million+ OEM certified spare parts for aircraft
- ▶ Support of more than 23,000 flight hours annually

## Strategic National Stockpile

### CENTERS FOR DISEASE CONTROL AND PREVENTION (CDC) OFFICE OF PUBLIC HEALTH PREPAREDNESS RESPONSE (OPHPR)

Operation and maintenance of the Strategic National Stockpile (SNS), a government repository of antibiotics, chemical antidotes, antitoxins, life support medications, intravenous administration, and medical and surgical supplies and equipment for response to disaster and other emergency events – anywhere and at any time. Program accomplishments include:

- ▶ Maintenance of 3,000+ SKU items at multiple storage facilities
- ▶ Processing of 1M+ Shelf Life Extension Program (SLEP) transactions
- ▶ Servicing of 19,000+ ventilators annually
- ▶ Support of rapid delivery of a range of responses for 200+ emergency events and exercises, including Ebola, Zika and smallpox outbreaks, as well as domestic hurricanes and floods
- ▶ Maintenance of 1,960 nerve agent antidote containers in 1,390+ locations
- ▶ Development and delivery of systems training programs for 120+ CDC staff annually

## Integrated Logistics Support and Waterfront Installation Support Services

### NAVSEA PEO INTEGRATED WARFARE SYSTEMS 5.0

Provide technical support to PEO IWS 5 Surface Anti-Submarine Warfare (ASW), including requirements to design, fabricate, integrate, test, train, document, and install baseline temporary alteration (TEMPALT), Ship Alteration (SHIPALT), and program-of-record sonar systems. Leidos supports all surface sonars in the Fleet, or about 110 U.S.-based systems, in addition to some Foreign Military Sales (FMS) sonar systems. Program accomplishments include:

- ▶ Maintenance of more than 300 AN/SQQ-89(V) Installation Control Drawings (ICDs), providing updates and incorporating approved changes throughout the system lifecycle to ensure drawings are always current
- ▶ Fabrication of foundations, adapters, test sets, junction boxes, media converters, wiring harnesses, cable assemblies/connectors, cable hangers, fiber optic cable assemblies, and all other required components that are subjected to rigorous quality inspection, including installation, removal, and test of 18 tons of material such as 19 cabinets, 17 foundations, and 26,000 feet of cable
- ▶ Integrated Logistics Support includes Level of Repair Analysis (LORA), Configuration Management, Reliability and Maintainability (R&M) support, and management of all technical documentation for the AN/SQQ-89(V) systems



## ABOUT LEIDOS

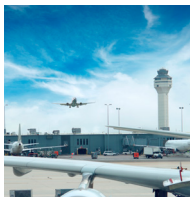
Leidos is a Fortune 500® information technology, engineering, and science solutions and services leader working to solve the world's toughest challenges in the defense, intelligence, homeland security, civil, and health markets. The company's 31,000 employees support vital missions for government and commercial customers. Headquartered in Reston, Virginia, Leidos reported annual revenues of approximately \$10.17 billion for the fiscal year ended December 29, 2017.

## THE MARKETS WE SERVE



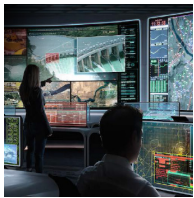
### ADVANCED SOLUTIONS

Conducts research and development across all markets to unlock potential scientific discoveries or improvements in technology, supporting C4ISR and data analytic requirements for our customers.



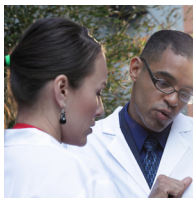
### CIVIL

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.



### DEFENSE & INTELLIGENCE

Provides a diverse portfolio of systems, solutions, and services covering air, land, sea, space, and cyberspace for Defense and Intelligence customers worldwide.



### HEALTH

Offers services and solutions to federal and commercial clients, including IT services, population health risk management, case management, health analytics, life sciences, and public health.

## LEIDOS TECHNICAL CORE COMPETENCIES

### Sensors, Collection, and Phenomenology

We implement multiple sensor modalities and integrate collection systems to meet demanding customer needs.

### Cyber

We defend the most targeted networks in the world from the most sophisticated attacks, attacks, and we help our customers use cyber as another means to defend their organization effectively.

### Systems Engineering and Integration

We are a system integrator and solutions provider for technically challenging problems of national importance.

### Software Development

We deliver solutions that include developed software in programs executed within all of our groups:

### Data Science and Engineering

We analyze our customers' data sets to deliver insights into costs and reliability while optimizing their supply chains.

### Enterprise IT Modernization

We have the depth and scale to provide IT processes, playbooks, enterprise services, tools, training, and information assurance to meet mission requirements at speed.

### Operations and Logistics

We have the functional expertise in logistics, enterprise IT, and data analytics to deliver cost-effective solutions.

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