



Federal Technology Symposium

## Lunch Remarks



**Glenn Ayers**

Director, Growth &  
ARPA-x Account Manager  
Leidos Innovations Center

# Leidos -Fed Tech Symposium

10 September 2025

Glenn Ayers –Leidos Innovation Center (LinC) Growth Director

[carl.g.ayers@leidos.com](mailto:carl.g.ayers@leidos.com)

# ABOUT LEIDOS

## KEY FACTS



RESTON, VA  
HEADQUARTERS



**48K**  
EMPLOYEES  
WORLDWIDE

## WORKFORCE



**24.2K**

CLEARED  
EMPLOYEES

**17%**

SECRET

**23%**

TOP SECRET  
AND ABOVE



**19%**

MILITARY  
VETERANS\*



**1.3K**

PhDs

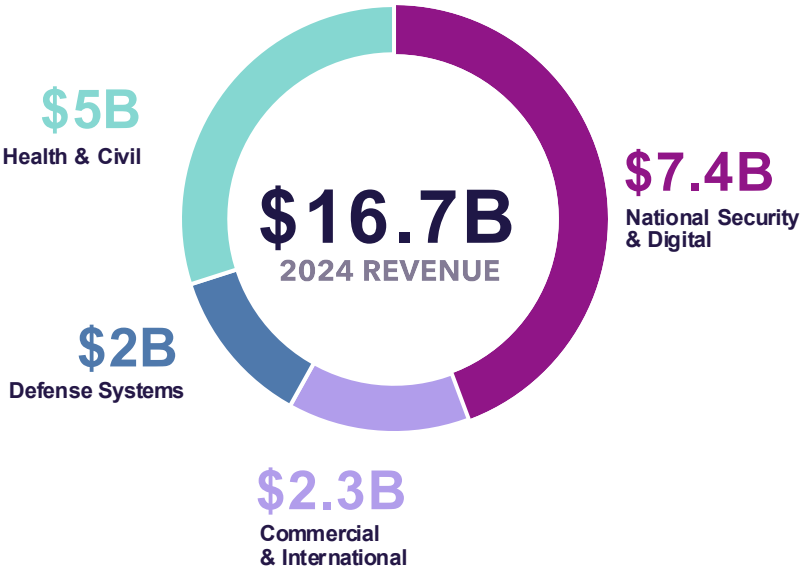


**10K**

MASTER'S  
DEGREES

\*Operation MVP is our company-wide initiative to hire, train, and support returning veterans.

## SEGMENTS



## MARQUEE CUSTOMERS

- Department of Defense
- Department of Energy
- Department of Health and Human Services
- Department of Homeland Security
- Department of Transportation
- Department of Veterans Affairs
- NASA
- National Intelligence Community
- UK Ministry of Defence
- Australian Government

## VALUES



INTEGRITY



INCLUSION



INNOVATION



AGILITY



COLLABORATION



COMMITMENT



# Partnership

***“Nothing of significance was ever achieved by an individual acting alone ... all seemingly solo acts are really team efforts” —John C. Maxwell***



**~\$7B**

contracted annually  
with partners



**~50%**

spend with Small  
Businesses



**8000**

suppliers across  
Leidos



**1000+**

partner agreements  
annually

# LEIDOS AT A GLANCE: WHO WE ARE & WHAT WE DO

## DIGITAL MODERNIZATION

Brings together our digital transformation and IT programs, allowing us to better serve our customers through scale and repeatability.



## DEFENSE SYSTEMS

Develops and produces advanced space, aerial, surface, and sub-surface manned and un-manned defense systems.



## COMMERCIAL & INTERNATIONAL

Combines our Security Enterprise Solutions, energy solutions, Australia, and U.K. businesses.



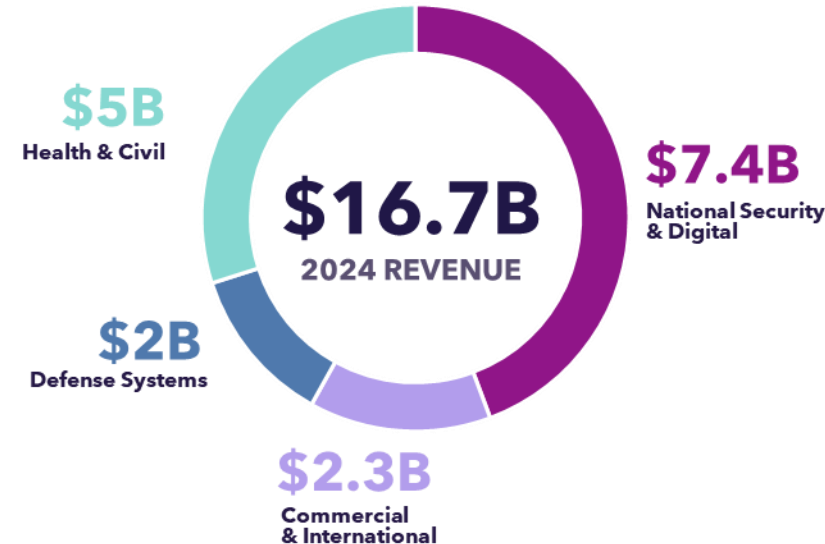
## HEALTH & CIVIL

Delivers unique capabilities in the areas of public health, care coordination, life and environmental sciences, and transportation.



## NATIONAL SECURITY

Combines technology-enabled services and mission software capabilities for defense, intel, and homeland security customers in the areas of cyber, logistics, mission operations, and analytics.







## The Digital, Mission, and Solutions Leader

Innovative solutions in the **Space** and **Maritime** domains

Space | Maritime

Efficient engineering and technology solutions for a secure **Energy Infrastructure**

Energy

Scaled **Digital Modernization** and full-spectrum **Cyber** solutions

DigMod | Cyber

Rapid, custom, secure **Mission Software**

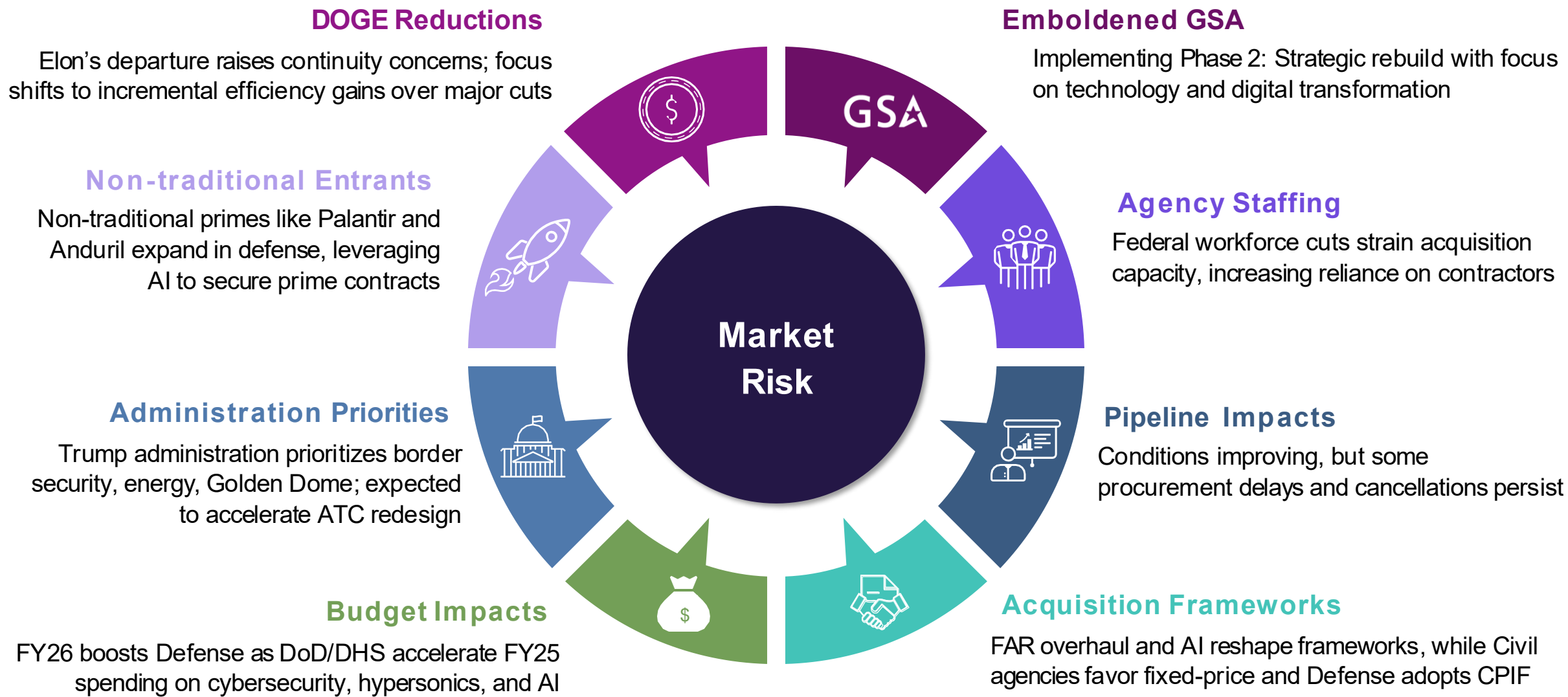
Mission Software

Market-leading **Managed Health Services**

Health

*Serving customers with smarter, more efficient innovations*

# BUSINESS ENVIRONMENT RISKS



# BLENDING DISRUPTIVE TECH WITH MISSION EXPERTISE



**Mission Scale & Expertise** –cutting costs and speeding up delivery.

**Customer Relationships & Contract Access** –prime positions on key GWACs and relationships with DoD, DHS, IC, and others

**Enterprise Integration** –securely scaling new technologies

**Operational Resilience** –blocking 230M+ cyber attacks monthly, ensuring reliability and safety



## Partners

**Disruptive Innovation at Speed** – agile R&D capabilities and rapid prototyping

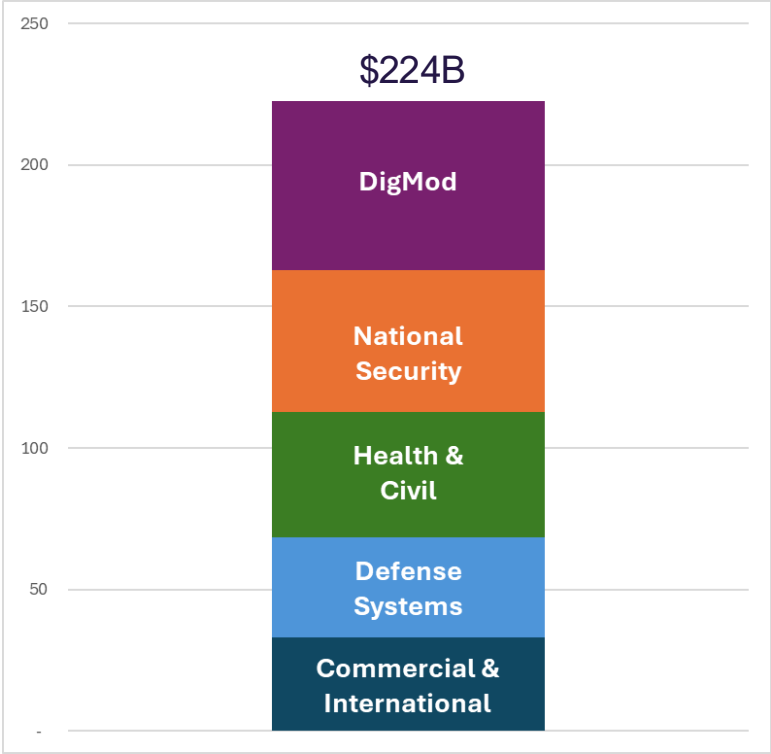
**Challenge the Status Quo** –start-up mentality with creative culture that challenges us to think differently

**Deep Technical Talent** –engineers who know the newest, coolest technologies

**Future Tech Access** –connected to new technology and start-up communities



# OUR OPPORTUNITY TOGETHER

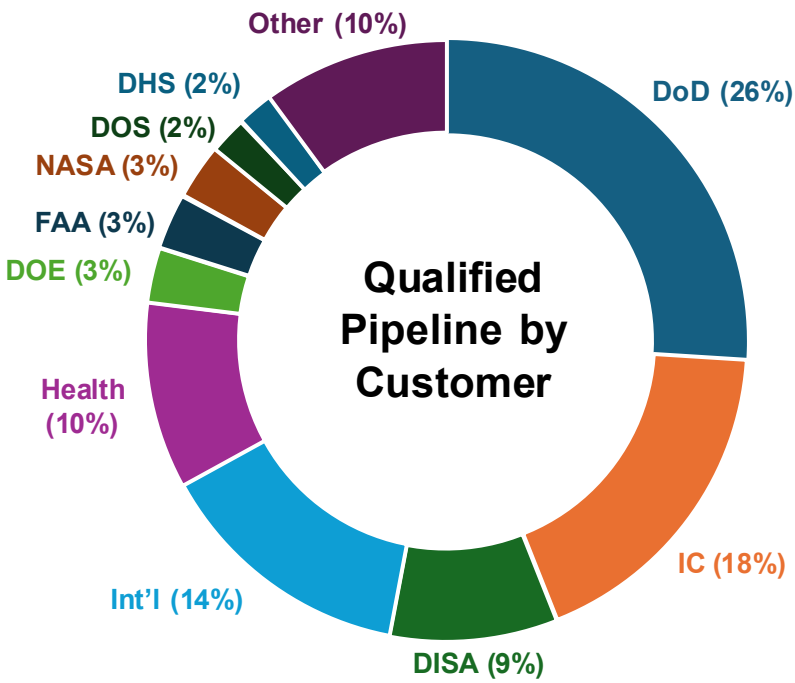


3,500 Qualified Opps.

30 Opps. > \$1B

350+ Procurement Vehicles

8,078 Contracts



# PRIORITY PURSUITS



## TPVS

- Lifecycle services for traveler processing software



## SDA T3

- Infrared sensors for missile warning and defense



## VBA MDE IDIQ

- Disability exams to support Veterans' benefits determinations



## GREENWAY

- Global IT infrastructure services



## NGEN-R SMI&T II

- Modernizing Navy and Marine Corps IT infrastructure



## APOLLO

- IO/IW operations for USCENCOM



## FDSS

- Modernizing UK defense support systems



## NISSC III

- Supporting NORAD systems operations and sustainment



## MFLC

- Counseling for military members and families worldwide



## FAA BNATC

- Modernizing the National Airspace System

*We are bringing our best people, tools, and focus to ensure success!*

# THE WORLD HAS CHANGED. SO MUST WE.

- **What got us here won't get us there.**
  - Yesterday's playbook won't meet today's demands.
- **Speed is the new advantage.**
  - Our customers need faster, more agile solutions – now.
- **Partnership is the path forward.**
  - No one wins alone. Together, we move faster and smarter.
- **Let's co-create what comes next.**
  - Fusing mission expertise with breakthrough technology to deliver differentiated outcomes – at scale.

*If you're ready to move fast and make an impact, let's talk.*





# LEIDOS INNOVATION CENTER

# DRIVING TECHNOLOGY INTO EVERYTHING WE DO

Technology Emergence and Trends

Customer Needs / Opportunities

Sector Needs / Opportunities

## ***Sector CTOs***

- Segment IRAD

## ***Technology Integration***

- Accelerators (AI, Cyber, SW)
- CHO IRAD

## ***Leidos Innovation Center (LInC)***

- Applied Science, Sensors, etc.
- Contract R&D

**External Technology, Transition Operations**

**Critical Differentiated Tech & Enterprise Capabilities to Drive Leidos Growth and Profitability**



**HEALTH & CIVIL**



**NATIONAL SECURITY**



**COMMERCIAL &  
INTERNATIONAL**



**DIGITAL  
MODERNIZATION**



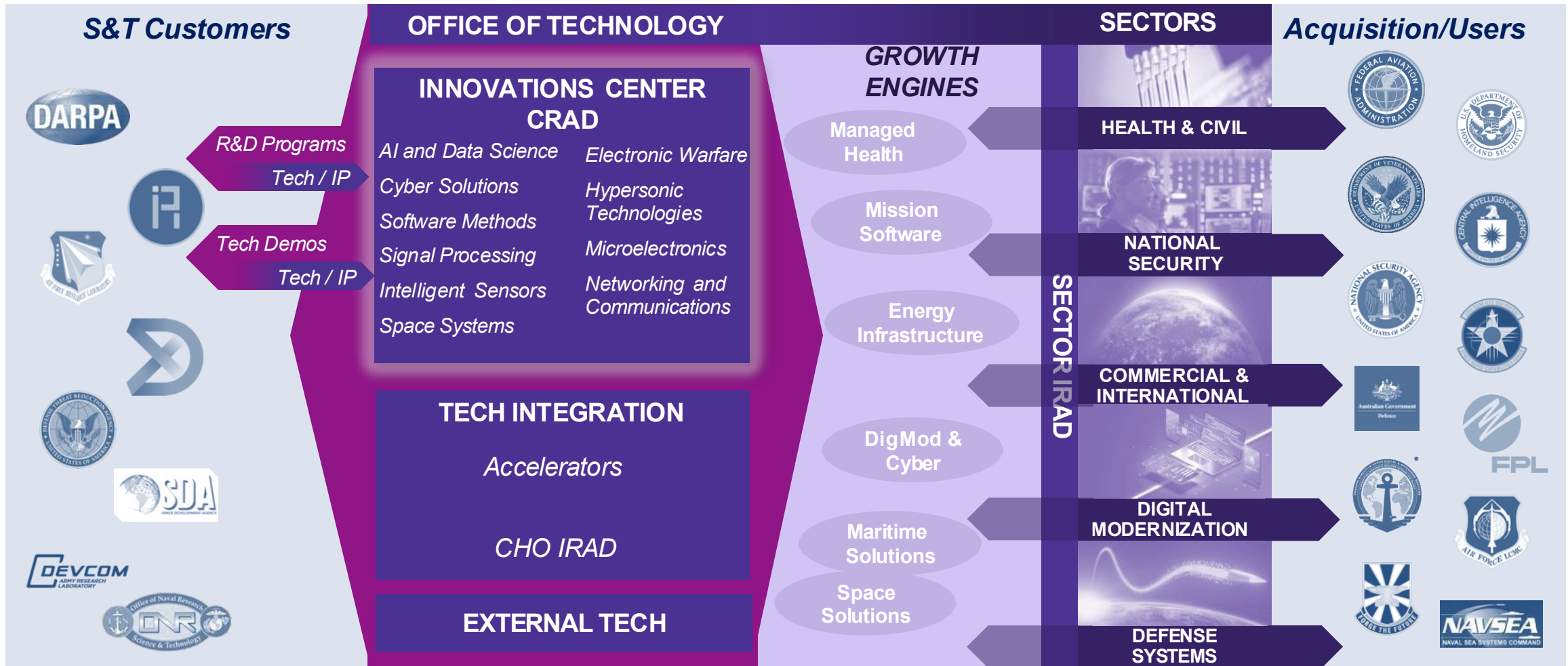
**DEFENSE SYSTEMS**



**LEIDOS FUNCTIONS**

# INNOVATION ENGINE

## LEVERAGING CRAD TO ACCELERATE STRATEGIC GROWTH





# ADVANCED WARFARE TECHNOLOGY



## SIGNAL PROCESSING & MICROELECTRONICS

- Advanced radar and surveillance techniques
- System-on-chip design
- Embedded software
- Combat ID and Automatic Target Recognition



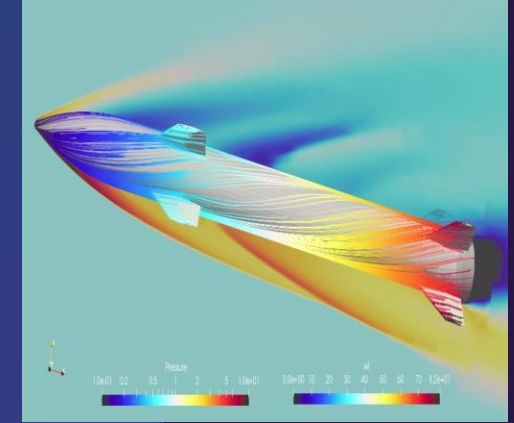
## ELECTRONIC WARFARE

- Cognitive EW solutions using AI/ML
- 5G communication and networking technologies
- Threat warning systems and missile countermeasures
- Open architecture systems



## DIRECTED ENERGY

- High power microwave systems
- High energy laser research and weapon engineering
- Electromagnetic science



## WEAPON DESIGN

- Boost-glide and air-breathing hypersonic weapons
- Cutting-edge tools for aerodynamics, thermal effects, structural integrity, propulsion integration, and trajectory analysis

## EXAMPLE CRAD PROGRAMS

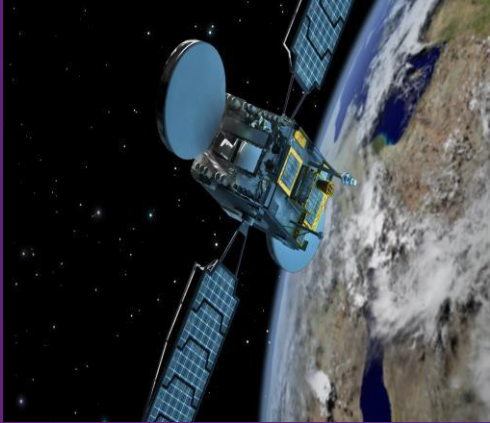
**MuDRaCE / MRADR:** 360-degree air surveillance with no electromagnetic footprint.

**Adaptive Radar Countermeasures (ARC):** Real-time countermeasures against new, unknown and adaptive radars.

**MJOLNIR:** A next generation counter electronics weapon system, to defend against adversarial drone activity

**MAYHEM:** Digital design environment for a large-class, multi-mission hypersonic weapon systems.

# ADVANCED SENSING AND EMERGING TECHNOLOGY



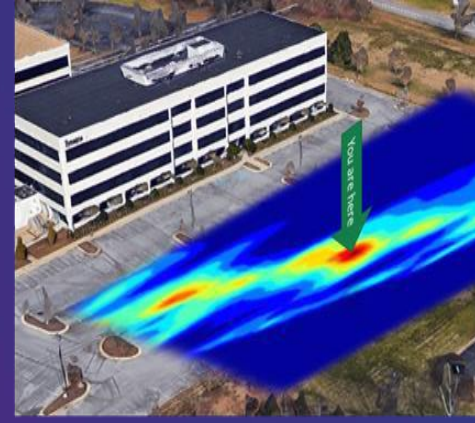
## SPACE EO/IR PAYLOADS

- *Missile warning / tracking*
- *Space situational awareness*
- *Cislunar ISR*
- *IR and EO sensing and countermeasure analysis*



## MARINE SCIENCES

- *Hydrodynamics M&S*
- *Hull design*
- *Wake sensing from radar and EO/IR data*
- *Hydroacoustic detection and countermeasures*



## NAVIGATION & AUTONOMY

- *Autonomous systems modeling and simulation*
- *GPS denied navigation for air, ground, and maritime platforms*



## BIOLOGICAL, CHEMICAL AND MATERIAL SCIENCE

- *Chemical/biological threat detection and countermeasures*
- *Advanced materials and additive manufacturing*
- *Seismic, acoustic, magnetic sensor systems*

## EXAMPLE CRAD PROGRAMS

**Wide Field of View:** Staring Overhead Persistent InfraRed (OPIR) sensors for missile detection, onboard processing and data analytics.

**Numerical Flow Analysis:** Computational tools to simulate turbulent, two-phase flow for maritime applications.

**Transition of Quantum Sensors:** Miniaturization and deployment of a quantum magnetometer for geomagnetic navigation

**Personal Protective Biosystems:** Next-generation protection from chemical and biological threats using functionalized nano-materials and engineered bacteria.



# INFORMATION AND DATA SCIENCES



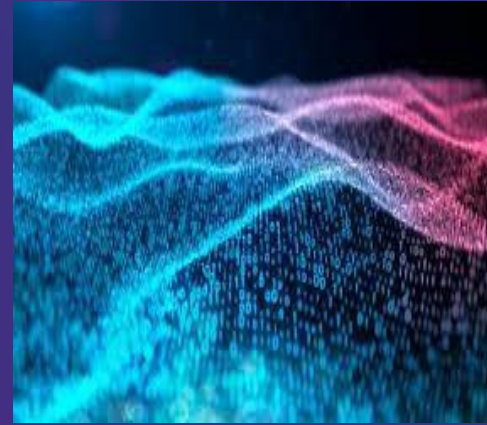
## TRUSTED MISSION AI

- *NLP, Computer Vision, Gen AI*
- *Trusted Data, Reinforcement Learning*
- *Human-Machine Teaming*
- *Predictive Analytics*



## CYBER AND ADVANCED NETWORKING

- *Offensive and defensive cyber*
- *Reverse Engineering*
- *Penetration Testing*
- *Cyber Physical Systems*



## QUANTUM INFORMATION SYSTEMS

- *Quantum Communications*
- *Quantum Networking*
- *Fundamental Quantum Science Related to Information Theory*



## RESILIENT SOFTWARE

- *Formal Methods*
- *SW Engineering*
- *Infrastructure as Code*
- *Enterprise Data Management*

## EXAMPLE CRAD PROGRAMS

**Space Watch:** Real-time tracking of objects in low Earth orbit (LEO) to alert operators of anomalous actions.

**INGOTS:** Automated analysis to protect mobile operating systems from high-severity chained vulnerabilities.

**QuANET:** Integration of quantum and classical networks.

**PROVERS:** Make formal methods accessible to non-experts for higher levels of assurance in critical software.



# Thank you

September 2025

Glenn Ayers – LinC Growth Director

[carl.g.ayers@leidos.com](mailto:carl.g.ayers@leidos.com)