

# SOLVING COMPLEX PROBLEMS FROM SEAFLOOR TO SPACE



**DESIGNING AND BUILDING SYSTEMS FOR** 

MARITIME • LAND • AIR • SPACE

#### A Culture of Innovation

We are the technology accelerator for Leidos. Our research and experimental development capabilities deliver unique technology innovation, prototyping, demonstration and manufacturing solutions for National Security and Space customers. We provide an unmatched combination of speed, value, and security—innovating across all domains.



### Technology-Accelerating Subsidiaries

From seafloor to space, Leidos provides modern solutions across all domains. The corporation's expansion includes decades-old companies who bring capabilities that deliver results to our clients.

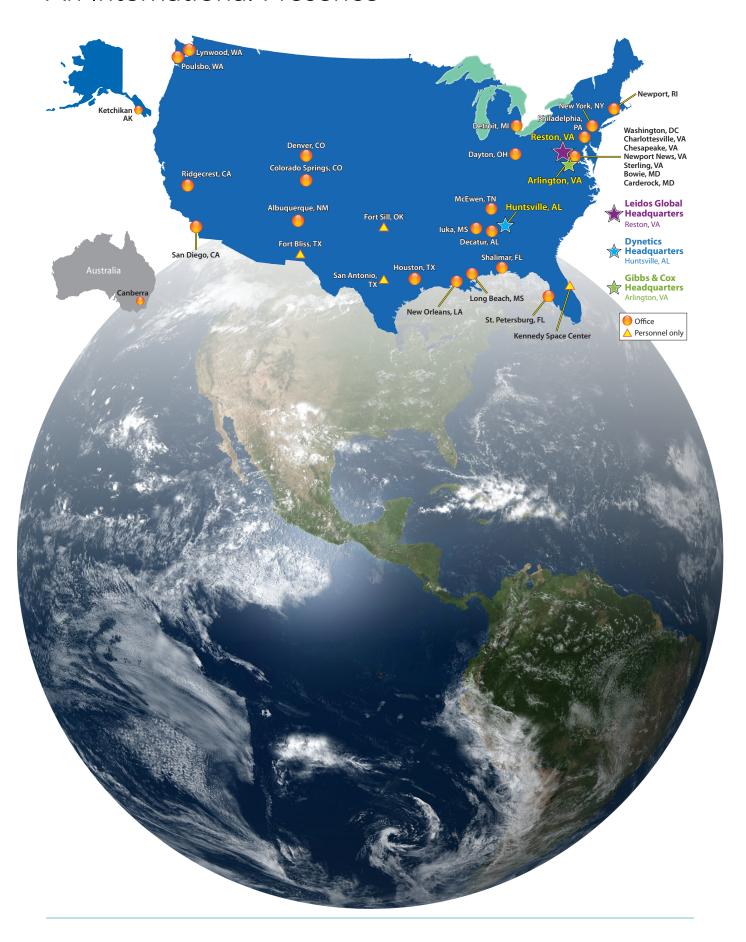


Dynetics is a leading provider of hightechnology, mission-critical services and solutions to the U.S. government, with a proven history addressing the nation's most challenging and technologically advanced missions.



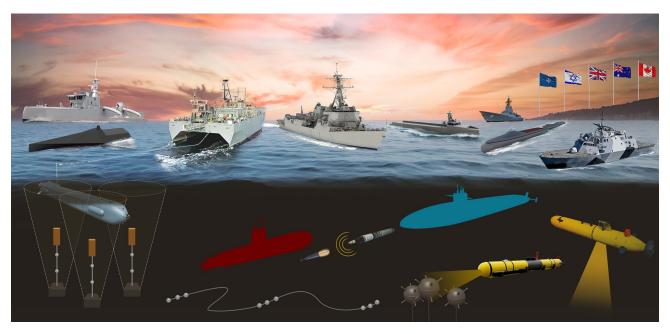
Gibbs & Cox is the largest independent naval architecture and marine engineering firm in the United States. Our world-class draftsmen, designers, naval architects, engineers and program managers solve challenges across the entire spectrum of today's marine industry, from concept development through production and in-service support.

### An International Presence



### **MARITIME**

From intelligent unmanned maritime vehicles to novel maritime ISR solutions, our team is plotting the course to modernize naval capabilities.



Our technologies ensure safety and security on the seas.



#### Design/Naval Architecture and Design

We are leading providers of Naval Architecture and Design, providing full life-cycle support from early-stage ship sizing and concept designs through detail design, shipyard construction, lifetime platform support and ship modifications. We are experts at integrating advanced systems into





#### Maritime Intelligence, Surveillance and Reconnaissance

We are leaders in Maritime Intelligence, Surveillance and Reconnaissance, employing a full spectrum of SIGINT and high-tech sensor technologies to address evolving maritime threats. We have designed, developed and integrated advanced sensors on multiple unmanned surface vehicle platforms, rapidly advancing the Navy's ISR capabilities.

### LAND

From advanced sensors to integrated force protection, we are providing mission-critical solutions for our customers.



#### Counter-UAS Solutions

We are developing a range of Counter-Unmanned Aircraft Systems (CUAS) solutions to address the rapidly evolving threat posed by unmanned aircraft. From the rapid detection, identification, tracking and neutralization of enemy drones to non-kinetic defeat of multiple targets, we are ensuring mission success in the most challenging applications.

#### Sensors and Radar Systems

Our advanced solutions enhance the efficiency of radar systems and subsystems to facilitate real-time threat detection in operational environments.



#### Integrated Force Protection

We offer comprehensive solutions for integrated force protection, including Enduring Shield, the Army's ground-based launcher system to counter drones and cruise missiles, and Indirect Fires Protection Capability-High Energy Laser (IFPC-HEL), a 300-kilowatt laser weapon system integrated onto medium tactical vehicle platform. We are proud to put our expertise to work to protect the American warfighter against hostile drones, cruise missiles and rockets, artillery and mortars.



#### **Hypersonics**

We are a prime contractor for Army and Navy priority strategic hypersonics programs. The Common-Hypersonic Glide Body (C-HGB) is a major part of the U.S. Army and U.S. Navy modernization strategy. This weapon system uses a booster rocket motor to accelerate to well-above hypersonic speeds. The Long-Range Hypersonic Weapon (LRHW) program will introduce a new class of ultrafast, maneuverable, long-range missiles that can launch from ground platforms. The LRHW prototype includes the new C-HGB, an existing, refurbished trailer and truck to be modified as a new launcher, and an existing Army command and control system.

#### **Tactical Weapons**

We continue to invest in the warfighter, offering advanced tactical weapons to enable high-precision capability for fixed and moving targets. The Small Glide Munition (SGM) is an enhanced capability, precision-guided munition that packs a punch while limiting collateral damage. Our Weaponized Coaxial unmanned aerial systems (UAS) are small, rugged, man-portable munitions offering power and portability for mission-critical operations.

#### **Electronic Warfare**

Our unparalleled understanding of foreign weapons systems and EW innovations enable our forces to maintain air dominance across the electromagnetic spectrum. With Cognitive EW, we are bringing machine learning into electronic warfare, granting aircraft the ability to sense, adapt and learn within the radio frequency domain. The Laboratory Intelligence Validated Emulator (LIVE) family of products provides unparalleled threat system accuracy—a vital test and training resource that enhances warfighter survivability.



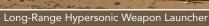
#### Collaborative Autonomy

We are combining advanced sensors with innovations in collaborative autonomy architecture and reasoning AI to ultimately make decisions that affect the outcome of the mission. We serve as the system design agent for Skyborg, providing the Air Force with an agile, autonomous warfighting architecture. From DARPA Gremlins, launching and recovering reusable UAS while out of range of adversary defenses to DARPA ACE, bringing AI into aerial battle management, we are developing systems that can autonomously collaborate—and adapt to changing threat and target tactics—ensuring mission success especially in anti-access/area denied environments.









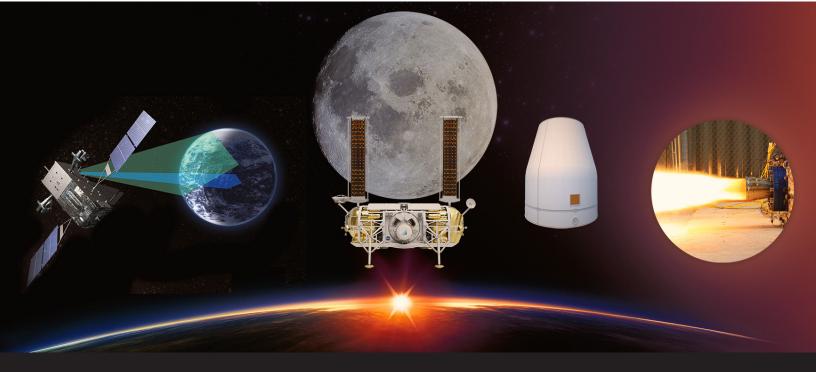






### **SPACE**

Our expertise extends beyond low earth orbit. We are powering human exploration and space-based intelligence, surveillance, and reconnaissance.



#### Hypersonic Missile Defense

A comprehensive hypersonics strategy means working across offense and defense for full chain solutions to counter these advanced threats. Staring Overhead Persistent Infrared (OPIR) Surveillance sensors deliver real-time beyond-the-horizon detection for hypersonic threats that extends engagement timelines and cues tracking systems to enable firing solutions. Our OPIR surveillance provides resilient space-based missile warning and tracking for the most advanced missile threats. The C4ISR Space and Missile Operations Simulation (COSMOS) suite of modeling tools for sensor deployment enables proactive intelligence gathering and efficient resource allocation, helping the end user to see what is needed to get the job done.

## System Development and Integration

From management of the design to testing and assembly, we support the full development life cycle, enabling operations across all systems elements. The Dynetics Aerospace Structures Complex in Decatur, Alabama, supports the development, integration and structural testing of large aerospace structures.





#### Structural Design, Manufacturing and Test

Our capabilities allow us to provide comprehensive concept development, design, analysis and low-volume manufacturing. We have mastered rapid product development and quick testing, producing efficient and effective work.





#### Spaceflight-qualified Components and Propulsion

Our expertise in design, analysis, systems engineering, integration, manufacturing and test provides full-spectrum support for launch vehicles, missile systems, and spacecraft. We are providing innovative solutions to power human exploration, furthering the deep space mission.









# Advanced Manufacturing

Our Advanced Manufacturing capabilities are second to none. We offer in-house precision machining and fabrication for rapid development of hardware from R&D prototyping to full-rate production. With world-class capabilities across the country, we are building critical hardware for programs of national importance.

Our in-house Electronics Manufacturing capabilities enable efficient complex printed circuit board assemblies for avionics, radar and defense systems.



Our state-of-the-art Electron Beam Welding systems enable large-scale hardware welds for Virginia and Columbia-class submarines and other national programs.



NOTES:		

#### **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, civil, and health markets. The company's 39,000 employees support vital missions for government and commercial customers. Headquartered in Reston, Va., Leidos reported annual revenues of approximately \$12.30 billion for the fiscal year ended January 1, 2021.

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