CORPORATE OVERVIEW

Advanced Technology, Objective Analysis, Innovative Solutions

The space enterprise is in a time of dramatic change. More launches, increased numbers of satellites and constellations, and rapidly developing technology mean that the rules that once applied to operating in space are in continual flux. This time of exciting change also brings rapidly evolving threats to our space capabilities. The Aerospace Corporation has been providing leadership and support in research and design, development, acquisition, operations, and program management to the space enterprise for government, civil, and commercial customers since the beginning of U.S. space efforts. As the independent, nonprofit corporation operating the only federally funded research and development center for the space enterprise, Aerospace's unique purview, specialized technologies, and unparalleled talent create an environment for developing disruptive technologies that not only ensure mission success and efficiency but also serve as the foundation for the next generation of the space enterprise.

Partnered with Customers Across the Space Enterprise

Aerospace works across the entire space domain. In addition to supporting the Department of Defense and the Intelligence Community, Aerospace works with NASA, NOAA, a variety of federal agencies and the commercial world—all of whom benefit from our deep knowledge of space technology and commitment—to serving the public interest. We only pursue business, related to the space mission and complementary fields. We put the best minds on the toughest problems and develop new, reliable, innovative space capabilities.

Some recent achievements are:

- Delivered critical space assets for national security space, resulting in the greatest number of consecutive launch successes in the history of national security flight, currently totaling over $50B in successful deliveries
- Reconceived traditional mission assurance techniques for the new generation of launch vehicles, providing lower cost and greater flexibility while maintaining an acceptable launch risk
- Prototyped more than 200 emerging technologies, such as operational space payloads and next-generation systems for GPS
- Used revolutionary techniques to rescue satellites from anomalies threatening their missions. These techniques have saved providers over a billion dollars in equipment and potential lost satellite services.
- Created a 3D-printed hybrid rocket motor using propellants that are 50 percent more efficient and less expensive than traditional fuels
- Designed and developed an artificial intelligence system that was embedded on a satellite to defeat cyber attacks
- Developed techniques to detect and counter cyber spoofing and jamming on GPS satellites
- Formed a space coalition bringing together top universities, industry leaders, and start-ups to collaborate on game-changing innovations
- Delivered mission support to an unprecedented 100 hours of NASA spacewalks; every tool used on space walks has Aerospace engineering behind it

The Role of Federally Funded Research and Development Centers

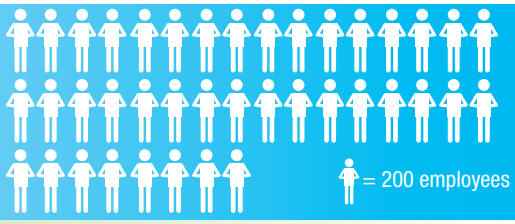
FFRDCs were created to provide technical expertise for science and technology efforts deemed critical to national leadership in service to the government and the nation. As trusted advisors to government, FFRDCs provide objective, unbiased analysis and recommendations with no conflicts of interest. FFRDCs do not compete with industry and do not manufacture products; they provide a unique perspective and share solutions across multiple domains. FFRDCs operate as strategic partners with sponsoring government agencies to ensure the highest levels of objectivity and technical excellence.

Our Strategic Imperatives

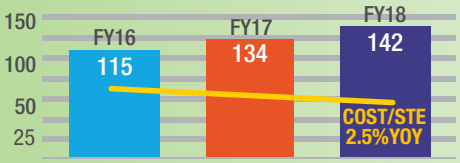
The Aerospace Corporation aligns its strategic efforts around four imperatives–Shaping the Future, Innovation, Growth in Our Value, and Velocity–that guide everything we do.

SHAPING THE FUTURE
Partnering for Success

We cut our hiring time in half, while continuing to attract top performers in key technical fields such as hypersonics, cyber security, information assurance, and artificial intelligence.



INNOVATION
Meeting New Challenges

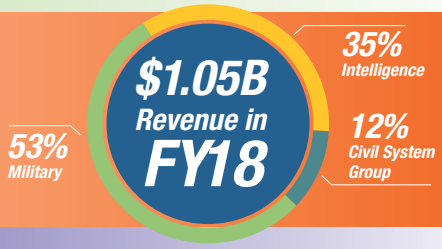


INTERNAL TECHNICAL INVESTMENT TRENDS

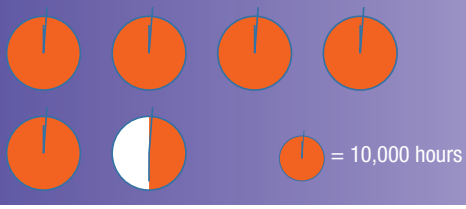
We increased our internal R&D spending by 40 percent to enhance innovation while simultaneously reducing our cost per STE by 2.5 percent since 2014

GROWTH IN OUR VALUE
Increasing Value to the Enterprise

Aerospace serves the entire space community. Our revenue is approximately 53 percent military, 35 percent intelligence community, and 12 percent was comprised of civil space, federal civil, commercial and allied international customers.



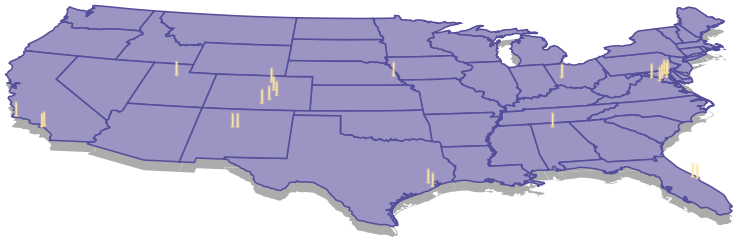
VELOCITY
Responsive and Effective Execution



To streamline operations, we digitized internal processes, saving over 55,000 labor hours in one year

Aerospace Locations

We are a geographically dispersed company designed to be co-located with our regional customers and maintain world-class laboratory facilities at our corporate headquarters and Chantilly, VA locations. Our structure maintains maximum customer responsiveness while providing flexible work environments for our employees.



El Segundo, CA (Corp. HQ)

Albuquerque, NM
Buckley AFB, CO
Cape Canaveral AFS, FL
Chantilly, VA
Colorado Springs, CO
Crystal City, VA
Denver, CO
Goddard Space Flight Center, MD
Greenbelt, MD
Hill AFB, UT
Houston, TX
Huntsville, AL
Johnson Space Center, TX
Kennedy Space Center, FL
Kirtland AFB, NM
Offutt AFB, NE
Pasadena, CA
Peterson AFB, CO
Schriever AFB, CO
Silver Spring, MD
Suitland, MD
Sunnyvale, CA
Vandenberg AFB, CA
Wright-Patterson AFB, OH
Washington, DC

The Aerospace Corporation

The Aerospace Corporation is a national nonprofit corporation that operates a federally funded research and development center (FFRDC) and has approximately 4,000 employees. The Aerospace FFRDC is aligned to support the most critical programs of the Department of Defense and the nation, and to serve as its customers' innovation partner across the space enterprise. Consistent with the competencies outlined in our sponsoring agreement, Aerospace provides strategic value through independent, intellectually rigorous, relevant, and timely products and services. With three major locations in El Segundo, Calif.; Colorado Springs; and Washington, D.C., Aerospace addresses complex problems across the space enterprise and other areas of national significance.

The Aerospace Corporation | 2310 East El Segundo Boulevard, El Segundo, California 90245-4609 USA | www.aerospace.org