

National Security SPACE TECHNOLOGIES



**ASTRION SUPPORTS
A ROBUST PORTFOLIO
OF HIGH-VALUE
CUSTOMERS, PROVEN
METHODOLOGIES, &
SCALABLE PROCESSES
PROVIDING OUR
CUSTOMERS**

RESULTS WITH IMPACT.



Astrion: Space Technologies Safeguarding National Interests & Propelling Innovation

Astrion, a leading innovator and trusted DoD partner delivers transformative solutions across cybersecurity, systems engineering, mission assurance, and advanced modeling to ensure the success of critical national security space missions. Through our 6,200 world-class employees and constellation of subsidiaries including Axient, ERC, and OASIS Systems, Astrion delivers impactful results through a strong customer portfolio, proven methods, and scalable processes.

National Security Space Expertise

Astrion's core mission is to support and enhance national security through comprehensive engineering, software solutions, and mission assurance services. With commitment to precision and safety, Astrion's expertise spans the entire lifecycle of space operations – from initial design and development to launch vehicle integration, operational oversight, and post-mission analysis:

- **Launch Operations:** Comprehensive support for mission success through rigorous procedures, range safety operations, and launch vehicle integration. Our Weather Display Tool integrates volumetric radar, near-real-time lightning data, and vehicle trajectories for enhanced launch decision capabilities.
- **Safety & Mission Assurance:** Ensuring reliability through rigorous safety protocols during spacecraft development and launch operations.
- **Rocket Propulsion & Operational Energy:** Advancing propulsion systems critical for national defense applications.
- **Spacecraft Engineering & Payload Integration:** Delivering innovative payload solutions tailored to mission objectives.
- **Systems Engineering & Integration:** Providing expertise in model-based systems engineering and threat analysis for space systems.
- **Cybersecurity Solutions:** Protecting critical space infrastructure with state-of-the-art system security engineering practices.

Proven Results:

Astrion demonstrates its leadership in the national security space through high-profile contracts and groundbreaking initiatives:

- **United States Space Force (USSF):** Supporting HQ USSF, Space Systems Command (SSC), and Space Operations Command with cybersecurity strategies, systems integration expertise, and mission-critical tools. Astrion has played a pivotal role in certifying new launch systems and ensuring assured access to space for U.S. defense interests.
- **Air Force Research Laboratory (AFRL):** Delivering experimental demonstrations, flight hardware design, and integrated ground experiments for cutting-edge research and design evaluation / integration efforts under the Congressionally approved SSPI program.
- **Special Operations Forces (SOF):** Providing niche capabilities like secure global data transport, alternative navigation systems, and space-enabled intelligence support tailored to SOF needs.
- **Air Force Test Center:** \$3.7 billion contract to support aerospace testing at Arnold Engineering Development Complex (AEDC). This includes test operations for aerodynamic wind tunnels, rocket engines, ballistic ranges, and more.
- **Air Force Test Center:** Supports the USSF and inter-agency in cyber DT&E and cooperative penetration testing of 27 unique space, strategic warning & surveillance, intelligence, and nuclear C3 systems.
- **Arnold Engineering Development Complex:** Multi-agency air, space, and intel C2 support for rocket engines, aerodynamic wind tunnels, ballistic ranges, and H/W, S/W, and microelectronics.

Certifications:

Astrion employs industry-leading methodologies that ensure mission success while maintaining cost efficiency.

- **AS9100 / ISO 9001**
[Perry Johnson Registrars]
- **CMMC Maturity Level 2**
[Cybersecurity Maturity Model Certification; NIST 800-171] [Coalfire Federal]
- **CMMI-DEV Maturity Level 3**
[Alluvionic]
- **CMMI-SVC Maturity Level 3**
[Norausky Process Solutions]
- **Greenhouse Gas Protocol**
- **ISO 27001**
[Mastermind]
- **DCMA-approved Purchasing System**

Our People:

Our expert engineers, analysts, and technical specialists push the boundaries of innovation to solve the toughest challenges in National security, civil, and commercial space.

- **Validating Space Launch Technologies:** Evaluating launch platforms under extreme conditions, from scorching heat to subzero cold.
- **Uncovering Vulnerabilities:** Rigorously testing complex weapons systems to expose weaknesses before adversaries can exploit them.
- **Fortifying Cyber Defenses:** Countering evolving cyber threats with cutting-edge adversarial testing and digital hardening.
- **Pushing Unmanned Systems Beyond Limits:** Stress-testing autonomous technologies to ensure operational excellence.

At Astrion, Our Employees are Experts Across a Whole Variety of Disciplines:

SE&I • Digital Engineering • M&S • Advanced Analytics & Algorithms • Agile & DevSec Ops • Software Engineering & Development • Rapid Prototyping • Technology Development • SWIL/HWIL • Data Science • Cybersecurity • Human Space Flight • Intel Analysis • Test & Evaluation • Logistics Analysis • Facilities/ Environmental Engineering • Business Intelligence • Safety, Reliability & Quality Assurance • Risk Management

With our “always on” approach, relentless pursuit of bold ideas, and unmatched execution, Astrion works side by side with our customers in the toughest scenarios to deliver results with real impact.

CONTACT

Eric Holstrom
Vice President National Security Space Growth
eric.holstrom@astrion.us