

Axient Program Highlight: Unparalleled USSF Launch and Safety Mission Assurance

Launch Mission Assurance Expertise

Axient delivers Launch Mission Assurance to USSF/SSC National Security Space Launches. Axient has delivered Systems Engineering & Integration expertise for 100+ launches and the certification of four Launch systems. We have been a trusted advisor for 10+ years to the USSF customer and the Range of the Future initiative. Our team provides unique expertise through:

- Mission assurance support to Atlas, Delta, Falcon, Vulcan, OmegA, and New Glenn family of launch systems
- Launch vehicle systems engineering and integration
- Launch system risk analysis and joint handling plans
- Analysis, audit, and certification of the design and processes of New Entrant Launch Service Providers (Vulcan, Falcon 9/Heavy, OmegA, and New Glenn)
- Launch range architecture and infrastructure assessment, including modernization & efficiency improvements
- Launch site operations and day-of-launch support
- Mission integration and planning
- Flight critical item analysis and assessment
- On-site support and insight at launch service provider development, manufacturing, and launch sites
- In depth auditing of manufacturing, quality, logistics, and qualification testing
- Launch system tool development

System Safety Expertise

Axient also delivers system safety throughout SSC and across every launch and space system (GP Systems (Ground, User, and Space), SBIRS, DMSP, AEHF, WSF-M, NG OPIR, and FORGE) in operation or development. Specific areas include:

- System Safety Acquisition Expertise
- Systems Safety Anomaly, Hazard Reporting, and Safety Lessons Learned and Sharing
- Systems Safety Policy and Documentation
- System Safety Management Planning
- System Safety Launch and Range Activities
- System Safety Training and Documentation Analysis and Update



CUSTOMER

United States Space Force (USSF), Space Systems Command (SSC)

AXIENT LAUNCH AND SAFETY MISSION ASSURANCE CAPABILITIES

- Launch Vehicle Technology – Avionics, Propulsion, Structures
- Program Management
- Mission Integration
- Mission Assurance
- Systems Engineering and Integration
- Requirements Analysis, Decomposition, Verification and Tracking
- Launch Vehicle Qualification and Acceptance Testing
- Launch Site Operations
- Launch Range Environmental Systems
- Risk Management
- System, Space, and Range Safety
- Systems and Cyber Security
- Manufacturing and Quality Engineering
- Logistics Engineering
- Mission Assurance, System Safety, and Certification Training
- Configuration and Data Management
- Schedule Assessment

ABOUT AXIENT

With over 2,200 employees, Axient is headquartered in Huntsville, Alabama and has provided premier services and solutions to the Federal Government for more than three decades. Axient's customers include the U.S. Space Force, U.S. Air Force, U.S. Army, U.S. Navy, Missile Defense Agency, and NASA. Axient is certified in the following: ISO 9001:2015, AS9100 Rev D, CMMIDEV Maturity Level 3, and has a DCMA Purchasing System, DCMA Property System, and DCAA Accounting System.