

Axient Program Highlight: Delivering Expertise to the Space Sensing Mission

Development Corps Expertise

Axient delivers expertise to the USSF/SSC Space Sensing mission, critical to our nation's warfighting capability. Our Space Sensing Engineering Support Expertise includes:

- Development of the enterprise Overhead Persistent Infrared (OPIR) mission threads
- Requirements development and analysis
- Interface management, configuration management, and overall technical baseline management
- Acquisition lifecycle support for sensor subsystems
- Production engineering and quality assurance for Space Based Infrared System (SBIRS) GEO-5 & 6 final testing and launch
- Mission engineering to Environmental Monitoring & Tactical Surveillance missions
- Future OPIR program ground systems development, including data format refinement, concept of operations, ground data management technology adaptation, storage/archive methodology, host-ground operation center integration, and command & data handling telemetry customization

Sustainment Expertise

Axient also delivers expertise to the SSC's PEO for Space Sensing. Our SBIRS Core Sustainment and Logistics Expertise includes:

- Integration support
- Integrated facility baseline management
- SBIRS communication infrastructure engineering support
- Technical management planning
- Systems modification expertise
- Sustainment analysis/studies (supply chain)
- Maintenance data collection/analysis
- Emergency urgent depot level maintenance; includes short-notice deployment to mobile locations

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.

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Space Sensing | One Pager

CUSTOMER

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

AXIENT CAPABILITIES

Sustainment Engineering

- Reliability, Maintainability, Availability Analyses (RMAA)
- 24/7/365 Emergency Depot Level Support
- Obsolescence Supply Chain Management

Information Assurance and Cyber

- System Security and Information Assurance
- Tracking Cyber Threats/Capabilities related to Sustainment Enterprise
- Facilities Support - Mods, Database, Upgrades

Space Sensing

- System Integration
- System Design
- Integrated Logistics Support
- Joint Reliability and Maintainability Team
- Engineering Support
- Modeling and Simulation
- Acquisition Planning
- SBIRS and SFP Training System Test and Evaluation

Software Facilities O&M

- Architecture Support, Master Software Library, SW Maintenance System, CM and DM
- Security

 AXIENT