



# SPACE SUPERIORITY

## HARRIS DEVELOPS, INTEGRATES, AND SUSTAINS SPACE SUPERIORITY SYSTEMS

Harris helps to protect America's space assets with innovative system development, enterprise system integration, and world-class sustainment engineering services.

### BENEFITS

Serving the nation's space superiority mission for 20 years on location.

Supporting the U.S. Air Force's space superiority mission with award-winning logistics and depot support.

Providing unique high-level systems view that enables rapid assessment of multiple alternatives on mission system performance and cost.

### ENABLING SPACE SUPERIORITY

Battlespace advantage requires space domain awareness. Harris provides the United States government with a full spectrum of space control and space situational awareness capabilities needed to gain, maintain, and exploit superiority in space.

Harris serves customers through a large pool of multidisciplinary engineering and support personnel across the nation. With established, extensive facilities in Colorado Springs, Colorado, and Melbourne, Florida, and two decades of active, consistent service, Harris is committed to being the most trusted provider of mission-critical sustainment engineering services and a developer of one-of-a-kind space superiority missions systems.

Harris' world-class engineering services and tools provide better space control;

comprehensive space situational awareness; and command, control, and communications.

Engineering services include:

- Architecture planning
- Mission planning
- Software development
- Hardware and system integration
- RF and mechanical engineering
- Remote operations
- Signal processing
- World-class sustainment

With a deep understanding of Air Force and Army missions, Harris is in a unique position to enable cross-mission sharing, a critical consideration for next-generation space superiority. Harris' advanced technologies and sophisticated enterprise ground architectures integrate disparate systems into one efficient, sustainable infrastructure.

## KEY ACCOMPLISHMENTS

Achieved a 25% life-cycle cost reduction and improved performance for Air Force Space Command support.

Reengineered and repurposed an at-risk project into today's state-of-the-art U.S. Space Test and Training Range.



Advanced tactical SATCOM antennas from Harris enable space control missions.

### About Harris Corporation

Harris Corporation is a leading technology innovator, solving customers' toughest mission-critical challenges by providing solutions that connect, inform and protect. Harris supports government and commercial customers around the world. Learn more at [harris.com](http://harris.com).

## SUSTAINMENT EXCELLENCE

World-class sustainment engineering is more than just keeping systems running. Harris' proven processes and approach is showcased through years of experience and success as a sustainment prime contractor. Harris brings a dynamic, collaborative approach to system modernization that can add years to a system's life and accommodate increasing capabilities—while decreasing total program costs.

Harris' dedicated engineering and information technology staff have played an important role in keeping worldwide sustainment activities operating smoothly and cost effectively.

## TRAINING

Harris engineered the only U.S. Space Test and Training Range (STTR), located at Schriever Air Force Base (AFB), Colorado. The company sustains the range by supporting critical operator test and training missions that require the ability to simulate a real-world environment.

Harris is delivering the live, virtual, and constructive training experience required to develop certified operators who thoroughly understand the complexities of the nation's space superiority tools and assets. This training complements existing STTR testing and training by providing dynamic, closed-loop training simulations and realistic scenarios that reflect real-world signal environments. This is further enhanced by the innovative use of signals generated through state-of-the-art software-defined radios (SDRs).

## ACCESS TO SPACE

Harris Spaceport Operations at Vandenberg AFB, California, offers payload processing and launch services to help government and commercial customers circumvent traditional access barriers and benefit from cost-effective launch operations.

Harris' Integrated Processing Facility offers almost 500,000 cubic feet of clean room space—more than any other facility at Vandenberg AFB. The facility includes ample office space for those involved in spacecraft processing and the most protective RF processing area on the base.

Space Launch Complex 8 (SLC-8) was constructed to provide a clean pad approach with the capability to accommodate multiple launch vehicle configurations. Currently SLC-8 is

configured to support solid propellant boosters, including Minuteman II and Castor 120 based vehicles. The flexibility of the SLC-8 design allows for future modifications to provide capability up through Delta II class boosters.

## ADVANCED SYSTEM DEVELOPMENT

Harris capitalizes on its well known strengths in engineering and innovation to deliver new capabilities to fill national space superiority needs. Harris' Palm Bay campus boasts over half a million square feet of secure processing facilities and access to state-of-the-art production capabilities.

## HARRIS PRIME CONTRACTOR EXPERIENCE IN COLORADO SPRINGS

**SENSOR (Air Force):** Harris has helped to ensure availability and mission readiness of radar and optical systems around the world. These unique systems provide missile warning, space surveillance, and comprehensive space situational awareness that are essential to our nation's security.

**Space Control Depot Support (Air Force):** Harris has enabled the space superiority mission with a 98% award-fee record. As the product support integrator, we also provide program management, systems and software engineering, and cyber security for a diverse portfolio of space control systems, including development, sustainment engineering, and ongoing logistics support.

**Wideband Satellite Communications Operations and Technical Support (Army):** For the U.S. Army Space and Missile Defense Command and the Army Forces Strategic Command, Peterson Air Force Base, Harris provides mission support to wideband satellite operations centers and management sites around the world. Our services include operations and maintenance, life-cycle engineering, on-site technical assistance, equipment installation, depot-level repair, logistics, cybersecurity, and training and sustainment.

For more information, contact [spacesuperiority@harris.com](mailto:spacesuperiority@harris.com).

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