



WORLD-CLASS, COMMERCIAL SPACE OPERATIONS SERVICES AT VANDENBERG AIR FORCE BASE

COMMERCIAL LAUNCH SERVICES

Harris provides customers with affordable access to low Earth orbit through a commercial launch facility, Space Launch Complex 8 (SLC-8), located at Vandenberg Air Force Base, California.

SPECIAL FEATURES

Highly flexible launch complex has the capability to accommodate multiple launch vehicle configurations

Location enables direct injection to polar orbits with no flyover constraints

Complete integration with Air Force and Western Range operations eliminates need for customer to have specialized experience or third-party integrator

On-site staff with expertise in stacking, checkouts, and space launches guide customers to efficient, successful launch operations

For space operators looking for cost-conscious launch solutions, Harris offers a commercial launch facility, Space Launch Complex 8 (SLC-8). Located half a mile south of our Integrated Processing Facility at Vandenberg Air Force Base, SLC-8 provides a clean pad approach with the capability to accommodate multiple launch vehicle configurations. SLC-8 has successfully accommodated launch vehicles up to the size of a Delta II, including Minotaur I, Minotaur IV, and Castor 120 class boosters.

Harris holds a current FAA Commercial Space Transportation License to launch small payloads (≤ 3300 lbs) into polar and sun-synchronous orbits. Currently, SLC-8 is configured to support solid propellant launch vehicles that can be safely launched into a wide array

of possible azimuths off the coast of California—from western ballistic trajectories to southern polar orbits.

DIRECT PATH TO POLAR ORBIT

As the southernmost launch complex at Vandenberg AFB, SLC-8 is the only continental U.S. complex from which customers can launch their rockets directly into polar orbit without any landmass flyover constraints or awkward dogleg maneuvers.

SLC-8 contains a launch mount, exhaust duct, and galvanized steel mobile access tower (MAT) with five platform levels. Harris personnel are available to operate the MAT. The communications infrastructure between SLC-8 and both the launch control room and the Western Range provides maximum flexibility with an eye towards future needs.

FACTS

100-percent success rate on nine launches

24 x 24 foot launch duct sized to handle one-million-pound thrust vehicles

Launch mount sized to support rockets weighing 300,000 pounds

Galvanized steel mobile access tower that provides access to launch vehicle via five flexible platform levels

SLC-8 INFRASTRUCTURE INCLUDES ALL NECESSARY COMMUNICATIONS SYSTEMS FOR REMOTE LAUNCH OPERATIONS AND SAFE INTEGRATION WITH WESTERN RANGE OPERATIONS.

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.

COMMERCIAL LAUNCH SERVICES FROM HARRIS

HARRIS SPACEPORT SYSTEMS SPACE LAUNCH COMPLEX 8 FEATURES

INFRASTRUCTURE

Launch Mount	Adaptable launch stand for variety of booster interfaces
Launch Duct	Sized for 1,000,000 lbs of thrust, taking into account all exhaust effects including acoustics
Umbilical	Umbilical mast tie-downs for retractable/expendable umbilicals
Access	Galvanized steel mobile access tower with retractable and movable platforms
Buildings	Two permanent concrete support buildings for communication and electrical equipment
Towers	Four camera towers, two microwave communications towers, and a weather tower
Launch Control	Fully integrated with launch control facility at Vandenberg AFB

COMMUNICATIONS

Vi-Link (analog) and Fujitsu OC-12 (digital) central

Data conversion and connection to the range fiber-optic transmission system

Operational voice system

S-band and C-band transmit/receive capabilities

GPS position and timing

CCTV cameras

High-speed film cameras

ABOUT HARRIS SPACEPORT SYSTEMS

Serving both commercial and government users, Harris Spaceport Systems provides commercial satellite and payload processing and launch alternatives to cost-conscious customers looking for solutions on California's central coast.

Harris has experience in all aspects of launch site processing—from transportation to contamination control, spacecraft fueling to encapsulation and integration. Located at Vandenberg AFB for more than 20 years, Harris Spaceport Systems ensures seamless integration with its mission partners, including the Western Range, Vandenberg AFB, and others.

To learn more, visit harris.com/spaceport



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