



# SATELLITE AND PAYLOAD PROCESSING

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

Harris offers government and commercial customers a state-of-the-art, cost-effective payload processing facility equipped to satisfy the complex requirements for launch site spacecraft testing, checkouts, fueling, and integration operations.

## SPECIAL FEATURES

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

Test cell providing unmatched protection for sensitive radio frequency equipment supports mission success

Convenient co-location of customer administrative workspace and clean-room processing areas enhances work efficiency

Harris owns and operates an Integrated Processing Facility (IPF) to help both first-time and veteran space operators get missions into space safely and cost effectively.

Located at Vandenberg Air Force Base since 1995, the IPF has nearly 500,000 cubic feet of clean room space equipped to accommodate most spacecraft or payload processing needs. The facility includes generous administrative workspace for visiting processing teams. Experienced Harris personnel are on-site to facilitate all aspects of satellite vehicle final assembly, fueling, checkout, and encapsulation.

The IPF's heavily reinforced concrete and steel construction provides excellent radio frequency (RF) attenuation in all processing areas. A specially designed cell can provide ultra-quiet, 80-100 dB of RF attenuation from 0-20 Ghz.

## A WORLD-CLASS PROCESSING FACILITY

The IPF processing area, including transporter airlock, high bay, and three test cells, can achieve ISO 7 (Class 10K) clean room conditions. Each has fully redundant HVAC and filtering systems. Each is isolated, so that recovery can be quick, and operations and conditions are contained within that area. This efficiency enables multiple satellites to be processed simultaneously, thereby supporting stringent schedules.

Harris also provides state-of-the-art security services to meet customer needs and ensure equipment and high-value items are protected. Our facilities, combined with our team of professionals, enable Harris to deliver satellite and payload processing services that meet our customers' most challenging needs.

## FACTS

Since the mid-1990s, Harris has processed 24 large satellite missions at the IPF

The IPF was originally designed to process three Space Shuttle-class payloads simultaneously

The IPF has been extensively upgraded and modernized for efficient satellite and payload processing, for commercial and government customers

Harris' IPF and launch facility are designed to cost-effectively support small satellite processing and integration as well as traditional mission needs

**HARRIS OFFERS COMPREHENSIVE CUSTOMER SUPPORT BASED ON EXTENSIVE EXPERIENCE IN REQUIREMENTS DEVELOPMENT, MISSION PROCESSING, AND EXECUTION OF LAUNCH SITE SATELLITE PREPARATIONS.**

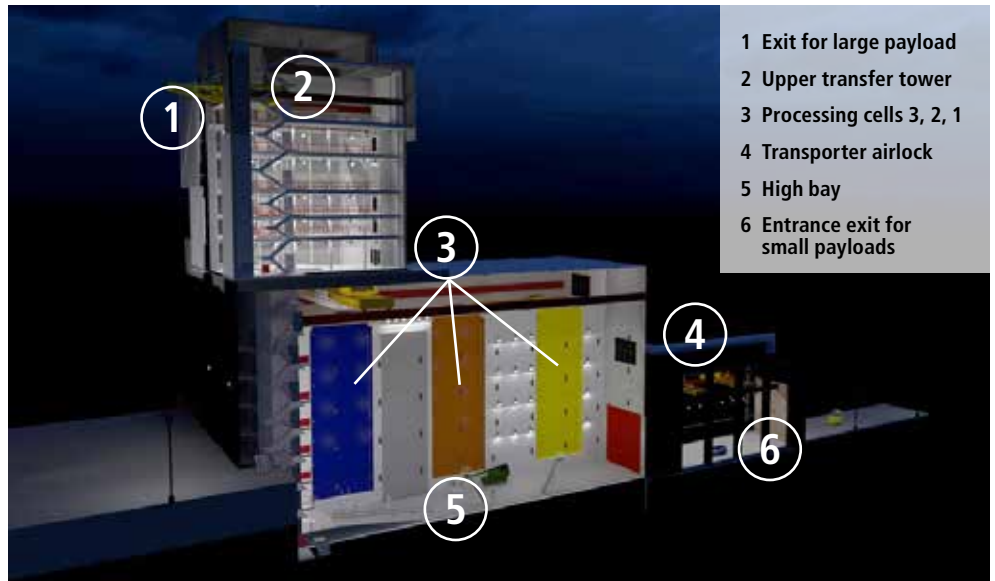
# SATELLITE AND PAYLOAD PROCESSING SERVICES FROM HARRIS

## HARRIS SPACEPORT SYSTEMS

### INTEGRATED PROCESSING FACILITY FEATURES

#### GENERAL

Size	Over 12,500 sq feet for payload assembly, checkout, fueling, and encapsulation
Cranes	Seven independent clean room cranes from 5 to 75 ton capacity
Cleanliness	Certified ISO 7 (Class 10K) cleanrooms
Explosives	Sited for 3K TNT equivalent
Security	Up to Top Secret with capability for ready escalation to compartmented levels
Fueling	Hypergolic fuel compatible

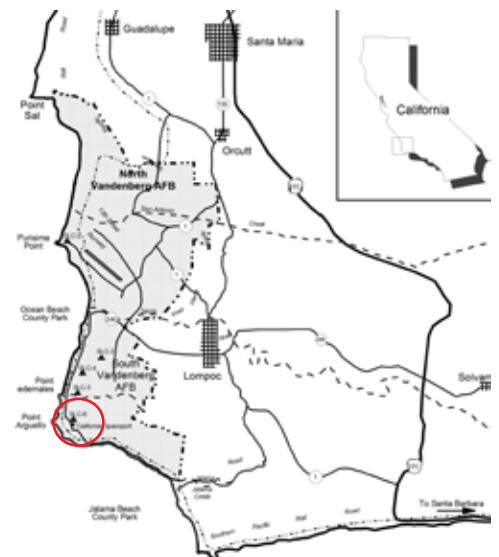


### ABOUT HARRIS SPACEPORT SYSTEMS

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](http://harris.com/spaceport)



#### 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).

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