



SMF — ARIZONA

Satellite Manufacturing Facility in Gilbert, Arizona

Northrop Grumman's Satellite Manufacturing Facility (SMF) in Gilbert, Arizona is one of the largest spacecraft Assembly, Integration and Test (AI&T) facilities in the United States. The facility is one of the most advanced of its kind, able to simultaneously accommodate multiple spacecraft from board-level manufacturing through full system integration and test, all under one roof and on the ground floor.

Recently expanded, the facility is designed for efficient AI&T of highly reliable, but affordable spacecraft. It also has the flexibility to accommodate security requirements for multiple government regulations/directives. Since 2014, more than 100 spacecraft have been produced in this facility

and successfully launched in support of missions for commercial Earth imaging, space science, and military technology demonstrations.

ARIZONA SMF FEATURES

- Satellite Assembly, Integration, and Test Areas
- Low-Bay, Class 100K
- High-Bay, Class 100K
- Multiple Class 10K Clean Rooms
- Thermal vacuum test facility with test chamber
- Dynamics/structural test lab
- Dynamic testing: acoustics, modal survey, vibration, and static
- Transient capture: shock, separation, and deployment
- Electromagnetic Interference/Compatibility (EMI/EMC) test anechoic chamber
- Multi-layer insulation fabrication
- Wire harness assembly
- Manufacturing machine shop
- Multiple program office and engineering support areas
- Security to TS/SCI
- Extensive personnel protection and security alarms
- Designated I&T control and gowning rooms
- Heaviest concrete tilt panels in the nation
- Transition Bay
- 100K clean room
- Machine shop

SMF – ARIZONA

GILBERT, AZ PROGRAMS



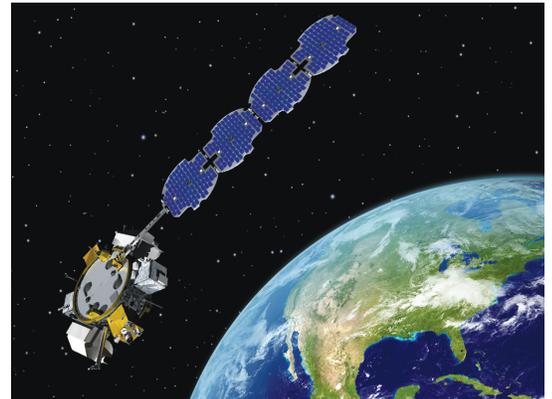
Iridium NEXT



Landsat 9



Joint Polar Satellite System (JPSS)



ESPASat

FACILITY LAYOUT



AI&T Low-Bay



EM/EMC Test Chamber



Thermal Vacuum Test Chamber



Dynamics Test Lab

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