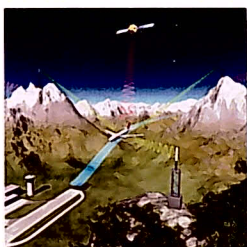
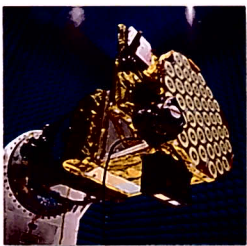




Photo: ESA

Astrium's navigation heritage



Astrium is a major partner of the European Commission and the European Space Agency for the Galileo* project and plays a leading role in the applications domain.

- Astrium Satellites was the industrial prime contractor for the GIOVE-B demonstrator satellite which continues to prove, in orbit, the major critical technologies for the final Galileo* satellites.
- For the In-Orbit-Validation phase, Astrium Satellites is leading the design, development and manufacture of the first four complete Galileo* satellites, including the highly complex navigation payload. As well as being the Space Segment prime, Astrium Satellites is also the prime of the Galileo* Ground Control Segment and is responsible for the system design, procurement and verification of this segment.
- For the Full Operational Capability phase, Astrium Satellites is providing its leading expertise in navigation system engineering as a major contributor to the System Support Segment. In the further ongoing constellation development, the company is fully committed to contribute to the successful implementation of the Galileo architecture with its leading role and outstanding expertise in the Space and Ground Segments. Astrium Space Transportation is a major industrial partner for Ariane 5, the potential launcher for Galileo*. Astrium Services is a partner in the European SpaceOpal consortium for the Operations Contract.
- Astrium Satellites is leading a concept phase study for ESA on the next generation of the European Geostationary Navigation Overlay Service (EGNOS).
- EGNOS and Galileo functionalities bring new possibilities, improving the effectiveness and response time of disaster management and alerting. Astrium Satellites plays a leading role in the identification and development of practical and cost effective solutions for secure and safety-critical GNSS applications:
 - Indoor navigation for military and institutional customers
 - Precision Approach and Landing System
 - High Precision Local Navigation System

With its significant heritage in satellite navigation systems and GNSS applications, Astrium is fully committed to continue taking a leading role in future navigation systems and developing innovative navigation applications.

*the European Global Navigation Satellite System