



EADS Astrium



EADS Astrium main locations

Bremen
Employees: 950
Location: north of Germany
Internships / Diploma theses: about 70 a year
• Europe's central location for human spaceflight activities
• Development, integration and operation of Columbus Orbital Facility for the ISS
• Development and production of Ariane 5 upper stage
• Development of reentry systems and reusable launch vehicles

Lampoldshausen
Employees: 250
Location: 1h northeast of Stuttgart
Internships / Diploma theses: about 30 a year
• Design, production and test facilities
• Manufacturing of thrusters and propulsion systems
• Development of the Unified Propulsion System (maximum service life time of satellites while achieving greatest possible savings in terms of launch weight)

Friedrichshafen
Employees: 930
Location: south-west of Germany, at Lake Constance
Internships / Diploma theses: about 70 a year
Development and integration of
• Earth observation satellites
• Satellites and probes for scientific needs
• Equipment and subsystems

Further German sites:
Backnang
Location: near Stuttgart, Tesat, 800 employees
Rostock
Baltic Sea Coast, 135 employees

Ottobrunn
Employees: 920
Location: near Munich
Internships / Diploma theses: about 100 a year
• Satellite subsystems for telecommunication, navigation and earth observation
• Electronics and solar arrays
• Antennas and attitude control systems for satellites
• Propulsion systems (thrust chambers for first and second stages of Ariane 5)
• Business Unit navigation

Aquitaine
Employees: 1,050
Location: 15 km from Bordeaux
Internships / Diploma theses: about 80 a year
• Integration of solid propellant stages, reentry vehicles
• Design and manufacture of thermal protection systems
• High-performance wound filament structures
• Performance of complex testing
• Engineering for ground installations

Les Mureaux
Employees: 1,700
Location: 40 km west of Paris
Internships / Diploma theses: about 170 a year
• Most of the company's central services
• Management of major space and strategic missile programs
• Integration of Ariane liquid propellant stages
• Production of very large metal structures, pyrotechnics, fluid circuitry systems and lightweight composite structures
• Facilities for data processing, simulation, testing and checkout

Vélizy
Employees: 360
Location: 20 km south of Paris
Internships / Diploma theses: about 30 a year
Electronics centre of competences in charge of design, manufacture and test equipments for space applications.
Main activities:
• Electronic equipment design, development and manufacture
• Test engineering
• Hybrid circuit and multi-chip manufacture

Limeil-Brévannes
Employees: 330
Location: 20 km south-east of Paris
Internships / Diploma theses: about 15 a year
Design, production and test facilities for space devices and subsystems
• Star trackers (world leader), Videometers (ATV docking)
• Earth sensors
• Cameras (SPOT, HELIOS, ENVISAT/MERIS...)
• Scientific instrumentation (PARASOL, CALIPSO, COROT, IASI...)

Toulouse
Employees: 1,800
Location: in the south-west of France
Internships / Diploma theses: about 180 a year
• Central services, management of satellites and space programs
• Development and integration of scientific, earth observation and telecommunication satellites and optical space instruments
• Avionics systems realisation
• Ground Systems and on-board software design, development and manufacturing

Portsmouth
Employees: 1,200
Location: south coast of England
Internships: about 10 a year. Design, build and test of:
• Advanced payloads for mobile and military communications satellites.
• World leading Earth observation payloads with advanced space-borne radars
• Sensors and scientific instruments such as the microwave humidity sounder.
• Payloads for the Galileo navigation system satellites

Poynton
Employees: 125
Location: on the outskirts of Manchester
Internships: about 5 a year. Production of microwave components and ground terminals for fixed and mobile communications. Primary responsibilities:
• The build and test of SCOT ship-borne satellite terminals for the Royal Navy and other navies worldwide.
• The assembly and test of transportable strategic and tactical terminals for ground forces.
• The manufacture and assembly of airborne terminals

Stevenage
Employees: 1,290
Location: 50 km north of London
Internships: about 10 a year. EADS Astrium's spacecraft design and build facility and the headquarters of Paradigm Secure Communications; Responsibilities include:
• Structure and subsystem design and build for all Eurostar communications satellites.
• Prime contractor for science missions such as ExoMars Rover Vehicle and Lisa Pathfinder

• prime contractor for EO satellites like Aeolus
• the management and operation of the UK MOD's Skynet 5 satellite system

Further UK sites:
Corsham
Oakhanger (Paradigm)
Leicester
Farnborough (Infoterra)
Newcastle (Imass)

Madrid / Tres Cantos
Employees: 230
Location: 21 km north of Madrid
Internships / Diploma theses: about 5 to 10 a year
• Electronics design, development and manufacturing
• Electrical System Engineering
• Test Equipment
• Software development for flight and ground applications
• Mission and programming Centres AIV

Madrid / Barajas
Employees: 350
Location: 3 km from the airport
Internships / Diploma theses: about 5 to 10 a year
• National and International Space Programmes (launchers, satellites & payloads)
• Centre of Competence in Composites Structures for Satellites and Launchers
• Satellite Systems & Instruments
• Arrays
• Subsystems: Structures, Thermal Control, Harness

Functional areas	Bremen Germany	Lampoldshausen Germany	Friedrichshafen Germany	Ottobrunn Germany	Aquitaine France	Les Mureaux France	Vélizy France	Limeil-Brévannes France	Toulouse France	Portsmouth UK	Poynton UK	Stevenage UK	Madrid / Tres Cantos Spain	Madrid / Barajas Spain
Engineering														
Structure and materials	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Aerodynamics / Fluid dynamics		•	•		•	•			•					
Systems	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Avionics	•		•		•	•			•	•			•	
Design	•	•	•	•	•	•	•	•	•	•	•	•	•	•
Propulsion / combustion	•	•	•	•	•	•							•	
Production planning / Logistics	•	•		•	•	•	•	•	•	•	•	•		•
Test and Safety		•	•	•	•	•	•		•	•	•	•		•
Maintenance					•	•		•	•		•	•		•
Manufacturing														
Production	•	•		•	•	•	•	•	•	•	•	•	•	•
Planning / Logistics	•	•	•	•	•	•	•	•	•	•	•	•		•
R&D	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IS	•			•	•	•	•	•	•					•
Telecommunication				•				•	•	•	•	•	•	•
Customer Support / After Sales					•	•	•	•	•		•	•		•
Quality	•	•	•		•	•	•	•	•	•	•	•	•	•
Marketing & Sales / Procurement / Finance			•	•	•	•	•	•	•	•	•	•	•	•
General Management & Support Functions	•				•	•	•	•	•	•	•	•	•	•

EADS Astrium is a global space industry leader, with world-class expertise and extensive prime contractorship experience across all sectors of the space business – a complete range of launch capabilities, orbital systems and manned space activities, satellite systems and related services and payloads and equipments for a vast range of civil and military applications.

EADS Astrium boasts some of the most advanced design, manufacture and test facilities in the space industry and a workforce of 13,674 at sites in France, Germany, Spain, UK and the Netherlands.

EADS Astrium's activities are based in three key areas:

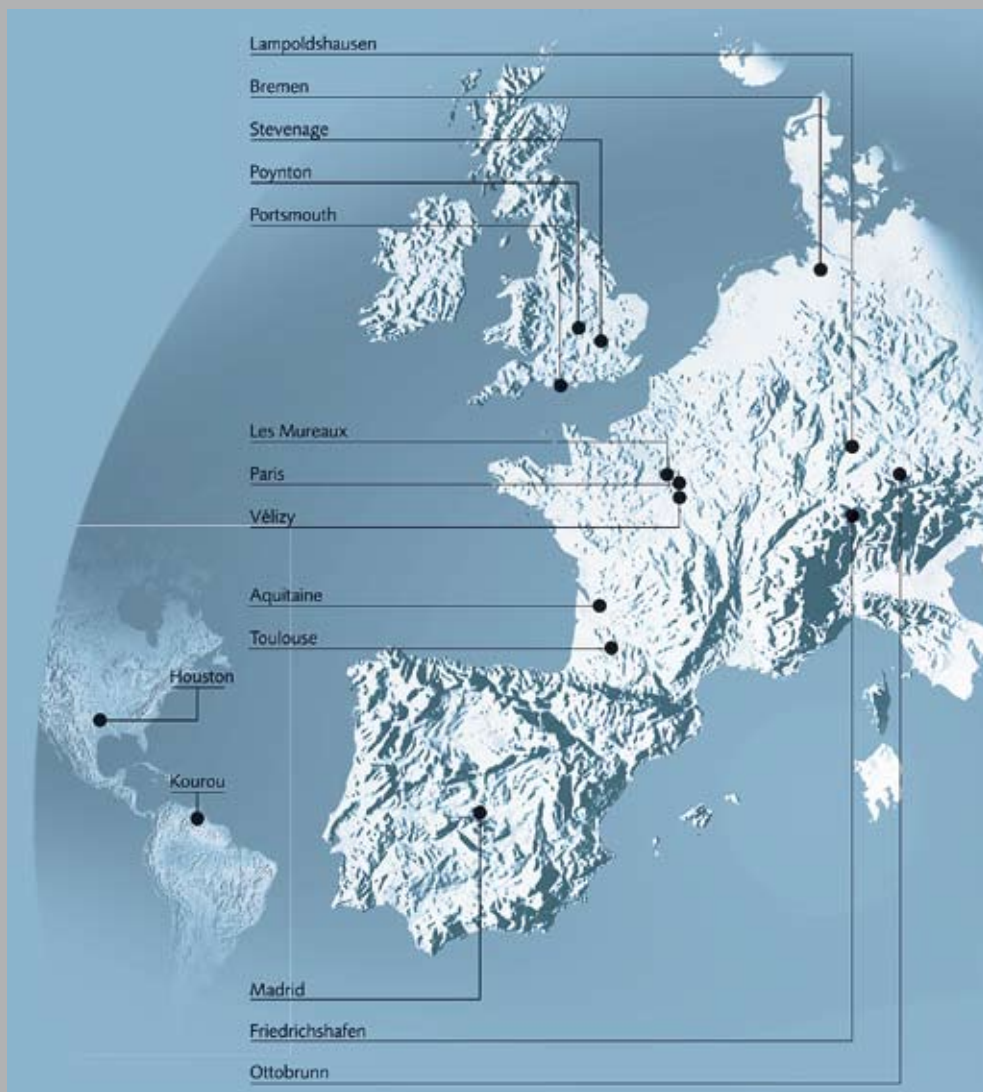
Astrium Space Transportation is the European authority on civil and military space transportation and manned space activities. It designs, develops and produces Ariane launchers, the Columbus laboratory and the ATV cargo vessel for the International SPACE Station, atmospheric re-entry vehicles, ballistic missiles for France's nuclear deterrent force, propulsion systems and space equipment.

Astrium Satellites is a world leader in the design and manufacture of satellite systems, with business activities covering civil and military telecommunications and Earth observation, science and navigation programmes, together with a complete range of associated ground infrastructure and space equipment.

Astrium Services is at the forefront of satellite services in the secure telecommunications and navigation fields, offering an innovative customer-focused approach.

EADS Astrium offers a unique combination of technical skills and a focused ambition to deliver the benefits that only space can provide.





Further information and
online application:

www.jobs.eads.com
www.astrium.eads.net