Making space a global endeavour

ACTIVE SPACE TECHNOLOGIES

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We combine multidisciplinary engineering expertise with a strong focus on precision to develop reliable solutions for the most demanding environments. We are driven by a commitment to technical excellence and innovation, enabling the delivery of high-value opto-mechanical and electro-mechanical systems that support critical applications across multiple industries. Our approach is guided by long-term reliability, mission success, and the ambition to contribute to advancing complex technologies on a global scale.

About us

Founded in 2004, Active Space Technologies specializes in advanced engineering solutions for the space, aeronautics, nuclear fusion and defence sectors. From concept to qualification, we deliver high-precision electromechanical systems, structures and thermal subsystems that support some of the world’s most demanding missions.

Space Sector

Extensive experience in the Space sector, supporting major programmes with key industry partners such as ESA, Airbus DS, OHB, and Thales Alenia Space..

TRACK RECORD IN SCIENCE MISSIONS

- **Solar Orbiter:** Feedthroughs, deployable boom structures, titanium plates, and STMs.
- **BepiColombo:** MSASI instrument structures and MGA boom hardware.

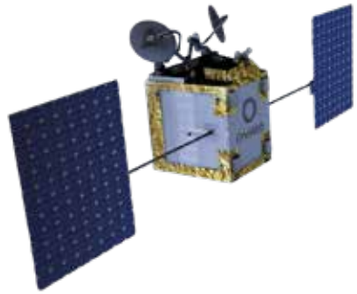
- **Euclid:** SVM MCSE, TT&C EGSE, and structural assemblies.
- **ExoMars:** Solar array MGSE, BEMA EGSE, avionics test benches, and structural components.
- **JUICE:** MGAMA and RADEM/JMU qualification hardware.

- **Envision:** SRS mechanical structures and fittings.
- **PLATO:** Thermal control EGSE, communication subsystem containers, and structural assemblies.
- **ARIEL:** Telescope baffle hardware.

- **Space Rider:** THOR payload enclosure.
- **LISA:** Core Assembly, Beam Alignment Mechanism MGSE.

TRACK RECORD IN EARTH OBSERVATION (EO):

- **Copernicus:** Sentinel-3 solar panel MGSE; Sentinel-5 aperture cover MGSE and EGSE.
- **HPCM:** CIMR mechanical frame skeleton; CHIME CSS support and connector brackets; LSTM platform machined parts and platform MGSE.
- **SEOSAT:** Spectrometer (UV/VIS) SM and STM hardware.
- **BIOMASS:** TVAC cables, balance masses, integration trolley, and MGSE.
- **NewSpace:** Airbus constellation satellites (Gen1, Gen1R), Flight Structural Bracketing and Flight Hardware (OneWeb and ICEYE), DHV structures; environmental testing campaigns.



- **Arctic Weather Satellite:** Flight platform structures and AIT MGSE.

- **NEOSAT:** Main AIT MGSE.

Manufacturing & Testing

MECHANICAL ENGINEERING

From design to integration, we deliver high-precision mechanical and structural solutions, including machining (3- and 5-axis CNC), CMM inspection, ABS 3D printing, prototyping, assembly, and testing.

ELECTRONICS ENGINEERING

Development, manufacturing, and testing of analog, digital, and power electronics, including PCB assembly, EGSE, and harness integration for mission-critical applications, in compliance with ECSS standards.

CLEANROOM & AIT

Our ISO 7 & ISO 5 (new) cleanrooms support assembly, integration, and testing of high-value hardware under controlled conditions, enabling contamination-sensitive operations and integration activities in space-simulated environments.

ENVIRONMENTAL TESTING

Thermal vacuum chambers, vibration testing, and environmental qualification capabilities ensure reliability and performance under extreme operational conditions.

Big Science

We support major Large Research Facilities (LRF), including ITER, ESO, CERN, EFDA, and the UK Atomic Energy Authority. Our advanced mechanical and electronic capabilities enable these institutions to push the boundaries of science and technology, delivering high-performance solutions for demanding scientific applications. Our contribution to ITER, the world's largest fusion experiment, highlights our ability to operate in complex and critical environments.

CONTACTS

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