

Orbital systems
Launchers
Satellites
Ground segments
Balloons
Transversal competencies

exail

Exail (formerly ECA GROUP) is a significant player in the supply of satellite communications solutions to major space actors. We design and manufacture systems dedicated to Aerospace, Ground Stations for Earth Observation & Telecommunications Satellites, Launchers, Spacecraft or UAV.

Exail provides Antenna Tracking Systems, Satellite Link and Payload Simulators, Stratospheric Balloon Systems, In-Flight Connectivity Systems, Search & Rescue Beacons and Ground Support Equipment.

COMPETENCIES & CAPABILITIES

Exail covers the entire value chain from design, research, engineering, industrialization, production up to through-life support. The company takes full advantage of its competencies in Radio Frequency and Digital Processing of Signals in the space sector by offering a range of On-Board Equipment and Ground Support to ensure data transmission via satellite. Exail is also specialized in Mechanical Engineering of high precision.



Exail

PRODUCTS & SERVICES

- **PROPAGATION CHANNEL EMULATOR PCE600:** a highly efficient and versatile propagation channel emulator designed to secure your wideband telecom-links and latest modulation.
- **TRACKING SYSTEMS** innovative and complete solution in response to the auto track requirement: the Compact Tracking Receiver (CTR70 – 70 Mhz or CTRD – 720 Mhz), with the Tracking Down Converter (TDC).
- **NAVYS RF GNSS CONSTELLATION SIMULATOR:** a highly flexible simulator to perform advanced testing of GNSS receivers and systems. A project co-developed with a major space manufacturer.
- **FAILSAFE BOARD AND GROUND SYSTEMS** dedicated to scientific operations using stratospheric balloons.
- **MECHANICAL & ELECTRICAL GROUND SUPPORT EQUIPMENT** for satellite and next generation launcher integration.
- **ELITe, Emergency Locator Transmitter (ELT)** allows the activation of RF signals to alert Search & Rescue (SAR) teams through the COSPAS SARSAT SYSTEM.

MAJOR SPACE PROJECTS & REFERENCES

With a recognized expertise of more than 40 years, Exail meets the requirements of major space actors: space agencies & scientists, satellite and telecommunications operators, satellite payload manufactures, broadcast operators, telecommunications modem manufacturers, antennas manufacturers and suppliers

- **NOSYCA** Global system dedicated to stratospheric balloon operations
- **DORIS** Doppler Orbitography by Radiopositioning Integrated on Satellite
- **CALBE CALibration Beacon** for MEOSAR systems
- **ESR (boosters) Integration Means & Upper Composite Handling Systems** for the most known European Space Program

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TURNOVER 124 M€ (2022)

WORK FORCE 700

SPACE TURNOVER 28 M€ (2022)

SPACE WORK FORCE 192