

# An Essential Testing and Engineering Partner for the Aerospace and Defense Industry



## MULTI-TECHNOLOGICAL TESTING AND ENGINEERING CAPABILITIES

- State-of-the-art facilities and rich expertise in mechanical testing, [EMC and environmental](#) testing, and [cybersecurity evaluations](#).
- Advanced, turnkey [test benches and MRO equipment](#) developed by multidisciplinary engineering teams.
- A global network of prime multi-technological labs, headquartered in Spain.

## A PARTNER YOU CAN RELY ON FOR THE MOST CHALLENGING TESTING AND DEVELOPMENT PROGRAMMES

- Independent laboratories that meet tight deadlines and strict quality requirements.
- A reputable provider for leading complex campaigns in both development and certification.
- Strong involvement in innovation projects for aircraft, land vehicles, naval vessels and information technologies.
- [eVTOL and UAS](#) specialists, offering unparalleled support in testing and development campaigns (in both laboratory and flight settings)

## UNWAVERING TESTING AND ENGINEERING SUPPORT TO COVER ALL THE BASES

### Stalwart environmental and EMC testing of air, land and naval electronic equipment

- Specialist environmental testing for high power applications and electric batteries.
- Full-scale EMC facilities (including reverberation chambers) for large components and military vehicles.
- Dedicated large shakers and MAST systems for vibration and shock testing of substantial components with special applications.
- Global leaders in [fire testing and certification](#), with extensive capabilities for fire resistance, reaction to fire and real scale tests.

### Product qualification against the main industry standards

- RTCA DO-160; MIL-STD-810; MIL-STD-461; Def Stan 00-35; Def Stan 59-411.  
[+info](#)

### Supporting the industry to provide secure, unassailable devices

- Accredited by the Spanish OC-CCN (Centro Criptológico Nacional) to conduct cybersecurity evaluations, including Common Criteria up to EAL6+, SOGIS and LINCE.
- Support to list products in the Spanish CPSTIC Catalogue as 'Qualified Products' or 'Approved Products'.
- Pentest and vulnerability assessment experts for hardware, software and communication cyberattacks, with special expertise in cryptographic evaluations.

### Expert mechanical testing, from coupon to full-scale

- The European benchmark for [structural testing](#) of complete aircraft, land vehicles and naval vessels.
- Specialists in uniaxial and multiaxial high-load testing in static and dynamic conditions.
- Bespoke [material characterization services](#) across metals and composites.
- A network of state-of-the-art material testing laboratories, fully accredited for aerospace and defense programs.

### Turnkey engineering solutions for dependable equipment

- Multifunctional test benches for helicopter gearbox development.

- Bespoke structural test rigs and MRO test benches.
- Test benches for the validation and customer certification of Fuel Distribution Systems.
- Custom-built test benches for validation of the design and specific requirements of submarine components.

### **Advanced test systems to keep you ahead of the curve**

- Control Command Test Bays (CCTBs) to perform custom tests for validating the performance of reactor actuators.
- HIL systems with real-time model execution and remote configurable testing with AR/VR.

Some other services we offer the aerospace and defense industry:

- [Metrology and calibration services](#) in our laboratories or on-site at client facilities.
- [Product certification and CE Marking](#): we are a Notified Body for 12 European directives, including RED and EMC.
- [Certification of management systems](#): certifying under international (ISO 9001 and 27001, amongst others), national, sectoral and private standards.