

Orbital systems
Transversal competencies

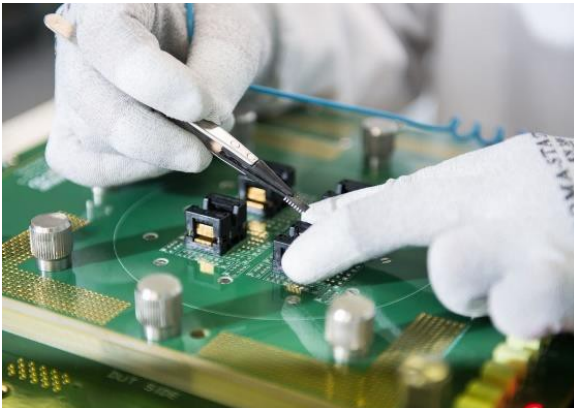


Our mission is to provide our customers best in class engineering services, test services and radiation expertise in electronic devices, dies, modules and equipment within harsh environment markets, based on quality management excellence.

Our staff of highly skilled and trained engineers and technicians has many years of accumulated knowledge in semiconductor and equipment for high-reliability space, aeronautic and industrial applications.

COMPETENCIES & CAPABILITIES

- Electrical Testing: Analog, Digital, Mixed Signal, RF, Passive, Discrete & Power devices...
- Extreme temperature testing capability (-80°C to +300°C)
- Wafer Electrical Testing (Probe) - Up to 8" (200 mm) wafer size
- Mechanical & Environmental Testing - Fully equipped for product qualification to address MIL, ESCC, AEC-101 and JEDEC requirements.
- Technical expertise with appropriate tools from non-destructing analysis to deep-dive physical analysis
- Sample preparation for radiation test. All specific requests are covered with innovative solutions (microwave induced plasma technique).
- 3D nanofocus X-Ray tomography.



Alter Technology France

PRODUCTS & SERVICES

- Electrical, Environmental and Mechanical tests
- Wafer Electrical Testing (Probe)
- Reliability tests (Burn-In, HTOL, HTRB/HTGB, HAST, THB ...)
- FPGA & PROM – Programming & PPBI
- Radiation Testing - Total dose COBALT 60 (TID)
- Radiation Testing – Single Event Effects (SEE)
- Failure analysis
- Construction Analysis
- Reverse Engineering
- Destructive Physical Analysis
- Counterfeit Control
- Project Management and Technical Assistance
- Support for **New Space** Activities
- EEE Parts Procurement Service

MAJOR SPACE PROJECTS & REFERENCES

Space programs:

- KaSat, Galileo, Hotbird 2 to 10, Sicral, Stentor, W3A to W3D, W5A, Inmarsat IV, Quantum, BB4A
- CSO, Cbers, Envisat, Helios 2, MHS (Microwave Humidity Sounder), Spot 5
- SARAL, Solar Orbiter, ExoMars, MSL 09, Picard, Megha Tropic, Bepi Colombo, Herschel Planck, Cassini, Integral, IASI, Rosetta, Mars Curiosity, JUICE
- Ariane 5 & 6
- Taranis and Exomars CPPA

Aeronautic programs: A350, FADEC, LEAP, Silvercrest, SiCRET
Robustesse, Feline

Defense: Pistis

Automotive programs: VTT, iStar, Mhygale, GaNRET

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TURNOVER 7.2 M€

WORK FORCE 49 employees

SPACE TURNOVER 4.6 M€

SPACE WORK FORCE 31 employees