

ALTER TECHNOLOGY GROUP, a member company of TÜV NORD GROUP, is the result of the consolidation, by merger or acquisition, of five European leaders in the field of electronic components and systems.

ALTER TECHNOLOGY is a quality driven company providing procurement, engineering and test services for E.E.E. (Electrical, Electronic and Electromechanical) components and electronic systems, within the space and harsh environment markets, where failure is not an option.

We work in many markets including, but not limited to, Aerospace, Security, Transport, Emergency Services, Health & Safety and Automotive.

Experts in radiation, engineering and test for EEE components

Specialists in all aspects of
EEE component engineering,
procurement and testing of all
electronic components types
and systems for high
reliability applications



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ACCREDITATIONS

ALTER TECHNOLOGY's quality and environmental policy drives the continuous evolution of our processes enabling us to provide to our customers the most reliable and advanced testing capability.

- ISO 9001, EN9100, ISO 14001 and 18001 for our radiation testing processes.
- ISO/IEC 17025 for TID tests performance and dosimetry (in progress) in accordance with ESCC method 22900, MIL-STD-883 T.M. 1019 and MIL-STD-750 T.M 1019.
- DLA MIL for Laboratory Suitability for all Defense Logistics Agency's radiation test methods in accordance with MIL-STD-883 T.M. 1019 and MIL-STD-750 T.M 1019.

RADLAB FEATURES

RADLAB has been developed by a consortium formed by ALTER TECHNOLOGY and CNA (Centro Nacional de Aceleradores).

- Full availability 24/7. Having advanced technology capability testers close to the irradiation source, electrical measurements can be performed without delay, minimizing TDE (Time Dependent Effects). In-flux testing options are also available.
- Wide range of dose rates available. <math><36 \text{ rad(Si)/h}</math> to $>36 \text{ krad(Si)/h}$.
- Other options include elevated & cryogenic temperature irradiation, in accordance with MIL-STD-883 Test Method 1019.

ADVANCED TESTING

Our extensive electrical test capability enables us to test the most advanced and complex technologies. We are equipped with the most advanced component testers in the market, the Teradyne Ultra Flex Platform and the ATX 7006 Tester.



- High uniformity irradiation test areas available (uniformity >99%). Minimum uniformity of radiation field (>90%) guaranteed for all test areas.
- Total in-house management of all activities (boards design & manufacturing, biasing circuitry, testing, measurement, reporting, etc).

