At ALTER TECHNOLOGY TÜV NORD S.A.U. in Madrid, we are currently seeking to fill the following position:

Radio & Navigation Systems Technical Lead, m/f

This is what you can expect.

The Equipment Testing and Certification Laboratory of ALTER TECHNOLOGY, located in Tres Cantos (Madrid), provides product compliance services to companies operating in highly demanding sectors such as Aerospace & Defense, Security, Industrial, Rail, Space and others.

As part of our growth strategy in Radio Spectrum Matters (ERM) and Positioning, Navigation and Timing (PNT) technologies, we are looking for an engineer to join our laboratory team and play a key role in the development of new testing capabilities, services and technical expertise in navigation and radio technologies.

The selected candidate will lead the design and deployment of a new maritime GNSS testing laboratory within a European innovation project, contributing to the development of future navigation and radio testing services within ALTER's laboratory.

We are looking for qualified people with a strong interest in technology, radio communications, navigation systems and wireless technologies, capable of combining technical expertise, innovation and practical problem-solving in a multidisciplinary environment.

Tasks:

- Design, implement and establish a new maritime GNSS testing laboratory, including laboratory infrastructure, equipment selection and associated technical resources.
- Develop and maintain test methodologies, procedures and technical documentation, supporting conformity assessment activities related to navigation systems, GNSS technologies and radio equipment.
- Analyse applicable regulations and standards, translating technical requirements into testing capabilities, procedures and services.
- Define equipment, software tools and investment needs associated with the development of new testing capabilities and services, contributing to the laboratory's technical roadmap and long-term evolution.
- Provide technical support to customers and internal departments, while contributing to knowledge transfer activities within the laboratory.

This is what we expect.

- Degree in Telecommunications Engineering, Electronics Engineering, Physics or related disciplines.
- Experience in RF, GNSS, navigation systems or wireless communications.
- Experience in product testing, conformity assessment or ISO/IEC 17025 accredited laboratory environments is valued.
- Knowledge of Positioning, Navigation and Timing (PNT) technologies.
- Knowledge of GNSS technologies, Galileo, EGNOS and Satellite-Based Augmentation Systems (SBAS) is valued.
- Ability to analyse and interpret standards and regulations related to radio equipment, wireless communications and navigation systems.
- Experience with RF test environments and instrumentation, including semi-anechoic and anechoic chambers, spectrum analysers, signal generators, vector network analysers, communication testers and related measurement software.
- Knowledge of test automation tools, preferably LabVIEW, is valued.
- Self-driven and proactive engineer, comfortable taking ownership of technical challenges and new developments.
- Strong analytical mindset and practical problem-solving skills, with the ability to work autonomously in a multidisciplinary environment.
- Fluent English, both written and spoken.

Why you should choose us

- This role offers to actively shape the future of our testing capabilities, contributing to the development of new services, laboratory infrastructure and technical expertise in navigation and radio technologies.
- Join a highly technical and multidisciplinary environment.
- Benefit from a flexible working environment, continuous professional development and the opportunity to grow alongside emerging technologies and new testing capabilities.

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