

ALTER TECHNOLOGY TÜV NORD (ATN)

H2020 Secure Societies - Interest as a PARTNER

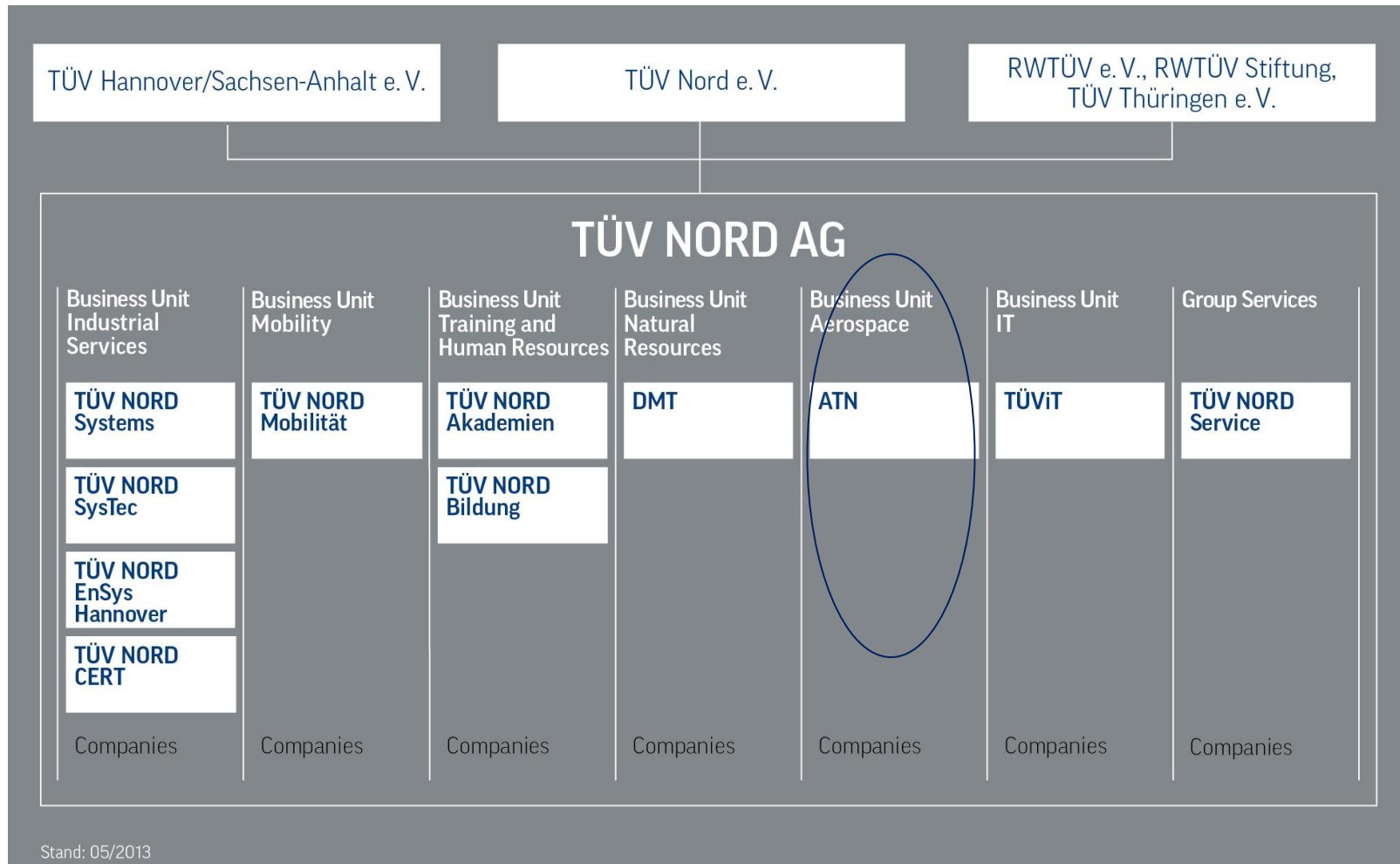
OBJECTIVE 7. Enhance **standardisation and interoperability** of systems, including for emergency purposes



“THE TÜV NORD GROUP IS A GLOBAL LEADER IN TECHNOLOGY SERVICES WITH THE CLEAR AIM OF ACCOMPANYING ITS CLIENTS WITH PRUDENCE AND FORESIGHT INTO THE FUTURE.”

TIC
**TESTING
INSPECTION
CERTIFICATION**

ESTRUCTURA DE TÜV NORD GROUP



AEROSPACE WITH 30 YEARS EXPERIENCE IN THE SECTOR

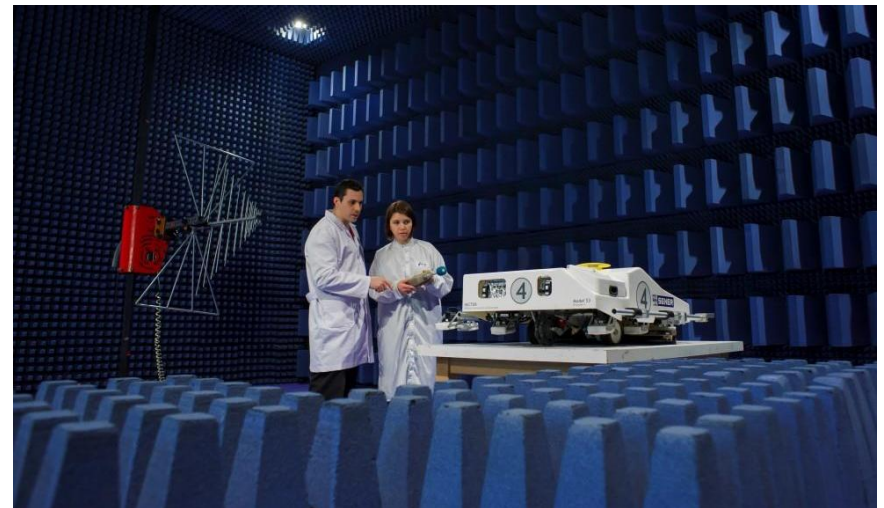


Space is a hostile environment for satellites

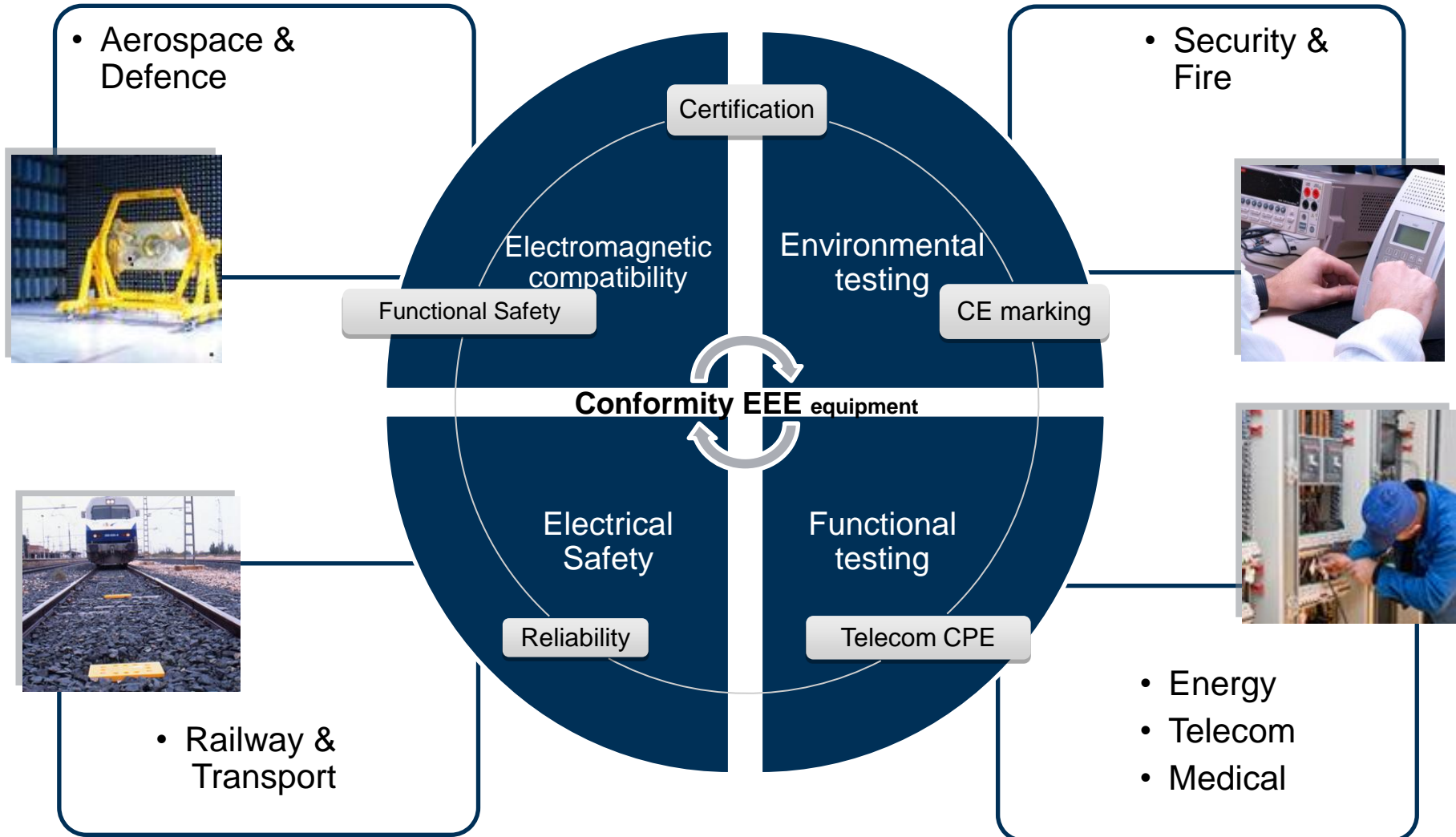
Environmental extremes:

- **Temperature:** from -185 °C to +300 °C
- **Radiation:** Ionizing and non ionizing effects.
- **Mechanical Stresses:** Vibration, acceleration, thermal shock. During launch and working life
- **Vacuum**

CERTIFICATION AND TESTING



CERTIFICATION & TESTING



ATN: STANDARDIZATION process framework



- **CERTIFICATION BODY (EN 17065) – Accredited by ENAC**
 - **Scope: 107 C / PR 261**
- **NOTIFIED BODY – Notified by SETSI**
 - **Directive 2004 / 108 / CE – CE Marking**
- **TEST LABORATORY (EN 17025) – Accredited by ENAC**
 - **Scope: 345 / LE808 / LE2116**

ENTITY

- **INDEPENDENT**
- **IMPARTIAL**
- **CONFIDENTIAL**

INTERNATIONAL RECOGNITION

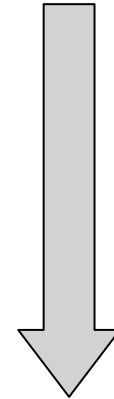
- **NIST: National Institute of Standard and Technology (USA)**
- **NATA: National Association of Testing Authorities (AUSTRALIA)**
- **RRA: Radio Research Agency (SOUTH KOREA)**



European
co-operation for
Accreditation



CERTALARM



**ATN - AGENCY FOR THE
EVALUATION OF CONFORMITY**

REFERENCES

Member of:

- **CTN 203/SC 79** - Alarms systems Standardization Committee
- **CTN 23/SC 03 and GT1** - Automatic fire detection systems Standardization Committee
- **CTN 199/SC 05** - Variable message panels for traffic Standardization Committee
- **ESCC**: Policy & Standardization Working Group of European Space Components Coordination
- **AEC**: Spanish Association for Quality
- **TEDAE**: Association of Defense, Aeronautics, Security and Space Technology Companies
- **AES**: Association of Electronic Security Companies
- **CEPREVEN**: Association of Companies involved in Risk Prevention and Protection
- **PESI**: Technology Platform on Industrial Security and Safety
- **CERTALARM**: Organization offering a pan-European quality mark in the fire protection and security systems industry
- **AERPAS**: Spanish Association of RPAS Industry

Chairman of **CEN-CENELEC Workshop**: “EGNOS enabled labeling and SDK validation”

PROJECTS

➤ ITER - F4E (FUSION FOR ENERGY)



✓ **CE Marking Support**

- ❖ *Define and execute baseline rules to guide item's assessment for CE marking based on the main common directives into F4E scope: EMCD, LVD, MD, PED, CPD*

✓ **Provision of Dual Use Export Control Compliance Support**

- ❖ Set-up and maintenance of the Dual Use Export Control Compliance Programme, audits and training

➤ EC – DG ENTERPRISE AND INDUSTRY



✓ **“EGNOS enabled labeling and SDK validation”**

- ❖ To implement a formal certification process framework to have such a verification procedure properly acknowledged as technical specification across the EU, according to consumer electronics industrial practices

Areas of interest on H2020 Secure Societies

- **DRS:** Disaster-resilience
- **FCT:** Fight against Crime and Terrorism
- **BES:** Border Security and External Security
- **DS:** Digital Security: Cybersecurity, Privacy and Trust

Development, standardization and validation of devices, products and systems for security applications of those areas

Our contribution as a partner

- **STANDARDIZATION** . Starting from the technical specifications, the definition of the essential requirements, test suite and verification procedures to develop a technical standard and the associated product conformity evaluation or certification scheme
- **VALIDATION.** Conformity evaluation of electronic products, such as CE marking and other regulatory certifications or voluntary approvals according to EU Security industry requirements

Our contribution as a partner (from WORK PROGRAMME 2014 – 2015):

- ...*"Remotely Piloted Air System (RPAS)" → Conformity Assessment / Functional Safety / CE marking ...*
- ...*"Proposals need to show how duplication of efforts with relevant past or on-going research projects, and standardization activities on European (e.g. CEN/TC 391) and international level (e.g. ISO/TC 223) will be avoided"....*
- ...*"guarantee the electromagnetic compatibility"....*
- ...*"Methodologies, standards, expertise and procedures for training, simulation, and testing investigations"....*
- ...*" Prototyping should contribute to standardization"....*
- ...*"The work during this phase should be procured in the light of the development of European regulations as regards to RPAS for improved surveillance, possibly flying in non-segregated air spaces"...*
- ...*"Harmonization of requirements across Member States and Associated Countries (and standardization) is expected to also automatically greatly improve affordability"...*
- ...*"the participants' commitment to make the standards, specifications, and all other relevant documents generated in the action"....."for the implementation and use of the contents of the standards, specifications, design, research roadmaps"....*
- ...*"This Call will thus focus on demonstrating the viability and maturity of state-of-the-art security, privacy and trust solutions that have been tested in a laboratory environment".....*
- ...*" Drafting standards and guidelines for industry and the public sector to enable consumers to exert a high level of control over devices and services"....*
- ...*" by promoting EU-wide standards of security technologies, tests and evaluations of security equipment, and respective certifications".....*



¡¡GRACIAS!!

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