

FORCE Technology

SDU EMC Forum 2026

Henrik Nygaard Henriksen

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FORCE Technology at it's Core

- Technology FORCE Technology is a technology advisory and service company.
- We are an independent and neutral RTO (Research and Technology Organisation).
- Working to create positive technological change and contribute to a more sustainable and secure society.
- We support companies in becoming technological front-runners.
- DANAK and CB Scheme accredited.
- Motto: Derisking tomorrow.

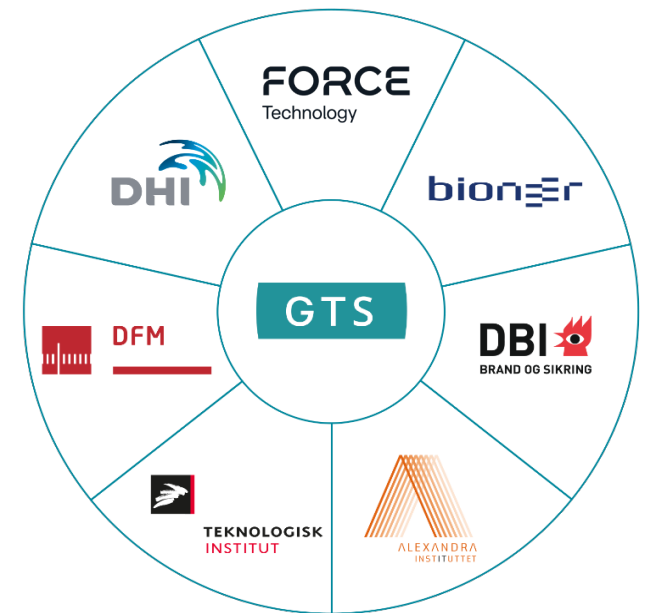
What is a RTO (GTS)

- Research and Technological Organisation.
- Helps companies - especially small and medium-sized enterprises (SMEs) - innovate by providing access to advanced technologies, specialized testing facilities, and applied research.
- Bridge the gap between academic research and the business sector.
- Self owned.
- Non profit.
- Impartial/neutral

Danish RTO system

The system consist of 7 companies, each with unique competences and areas of specialities.

- [Force Technology](#)
- [Alexandra Institut \(IT & digital innovation\)](#)
- [Bioneer \(Biotech & pharma\)](#)
- [DBI \(Fire safety\)](#)
- [DHI \(Clean water and environment\)](#)
- [DFM \(Metrology\)](#)
- [Danish Technological institute \(Agriculture, building and construction\)](#)



Our specialties

- Aerodynamic
- Acoustics
- Audits
- Calibration
- Corrosion control
- Electronic product compliance
- Emissions, energy and resources
- Hydrodynamic simulation
- Inspection
- Integrity management
- Material testing
- Monitoring
- NDT (Welding and materials)
- Photonics and light
- Simulations and CFO
- Structural engineering and analysis
- Testing
- Welding technology
- 3D print and additive manufacturing

Strategic market efforts

Wind energy



Wind energy plays a crucial role in the green transition. FORCE Technology has been there from the beginning, offering services throughout the entire value chain: monitoring, corrosion protection, NDT, simulation, full-scale testing, component testing, acoustics, materials, and more.

Power-to-X/CCUS



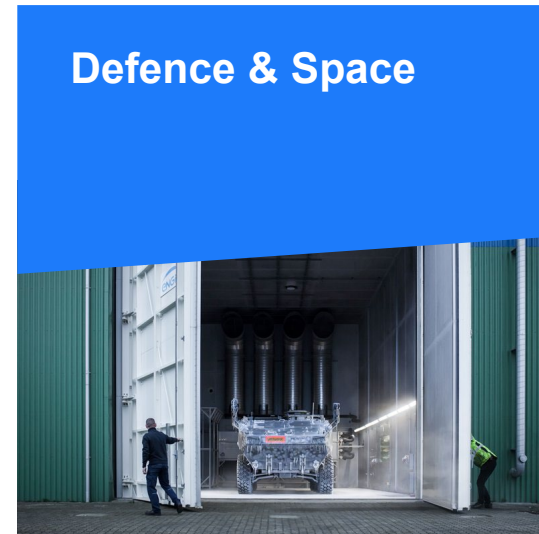
Power-to-X and CCUS is called Denmark's next green growth adventure, but it comes with many complicated issues in such areas as infrastructure, materials, electronics, metrology, control, and safety. FORCE Technology has unique experience and capabilities to support this development.

Life Science



Life Science has become one of Denmark's most important export sectors. This sector is subject to strict regulatory requirements. FORCE Technology supports large conglomerates and small start-ups alike with competences in such areas as compliance, standards, materials, electronics, hygiene, sound, and air.

Defence & Space



As a result of geopolitical megatrends, the defence and space industries are upgrading on materiel and technology. With the ambition to promote a safe and sustainable world, FORCE Technology supports the entire value chain with unbiased testing, technology development, advice and approval of solutions and products.

FORCE
Technology

FACILITY

Accredited EMC testing

Anechoic chambers

Semi-anechoic chambers (SAC) **Full-anechoic chambers (FAC)**

Emission

Frequency range: 9 kHz – 40 GHz
Dimensions (L × W × H): 20.1 × 13 × 8.8 m
Port dimensions (W × H): 3 × 3 m
Measuring distance: 1m-3m-10m
Floor load capacity: max. 10,000 kg/m²
Rotating platform: 5m
Facilities in Aarhus, Hørsholm and Västerås (SE)

Immunity

HF radiation:
- Frequency range 26 MHz – 40 GHz
- Field strength max 1.000 V/m
ESD test level ± 30 KV
Fast transient/burst: Test level: ± 4.8 KV (3 phase)
Surge testlevel ± 10 KV (3 phase)
Conducted immunity: 9kHz – 230MHz
Magnetic Field: 50/60HZ, 1.000 A/m

Advanced EMC testing facilities for testing electronic products

Our EMC testing facilities ensure that electronic products operate seamlessly without interference. Drawing on our substantial expertise in accredited EMC testing, we test a wide range of products, from small gadgets to large machinery. This ensures that manufacturers comply with compatibility standards. The facilities adhere to a comprehensive range of international standards, ensuring accurate and reliable testing.

We offer all types of EMC tests: Preliminary tests, do-it-yourself test facilities, accelerated tests and conventional accredited EMC tests. The primary tests used to counter electromagnetic interference are: EMI test (emission), HF immunity, ESD test, burst test, surge test and conducted immunity.

[Link to facility at forcetechnology.com](https://forcetechnology.com)



FACILITY

Reverberation
chambers

FORCE
Technology

Enabling reliable operations in the electromagnetic domain

FORCE Technology's reverberation chambers are advanced EMC test facilities used to verify electromagnetic robustness under extreme conditions. By exposing equipment to very high field strengths, the chambers enable testing of both immunity and emissions, support compliance with relevant standards, and help ensure reliable operation in demanding military electromagnetic environments.

[Link to facility at forcetechnology.com](https://forcetechnology.com)

Reverberation chambers

Fully Reflective Chamber – specifications

The fully reflective chamber is equipped with approximately 100 m² of movable walls

Field strength: > 350 V/m
Frequency range: 80 MHz – 40 GHz
Dimensions (L × W × H): 12.8 × 10.8 × 6.9 m
Port dimensions (W × H): 3 × 3 m
Floor load capacity: max. 10,000 kg/m²
Platform at the chamber entrance
Direct step-free access to the facility

Reverberation Chamber No. 2 – specifications

Field strength: approx. 1,000 V/m
Frequency range: 800 MHz – 40 GHz
Dimensions (L × W × H): 4.1 × 4.0 × 2.6 m
Door dimensions (W × H): 1.0 × 1.9 m
Floor load capacity: max. 2,000 kg/m²



FACILITY

EMC Field
solutions

EMC Field Solution

EMC-shielded inflatable tent and test equipment transported, delivered, and collected in two 20 ft container

Required Conditions:

Environmental shielded, controlled area.

1 x 400 VAC, 50Hz, 32 A

Floor space 25m x 15m x 8 (L x W x H) and space for two 20" containers.

Port dimensions (W x H): 5 x 5 m

Ready to test within 48 hours:

RS – Radiated Susceptibility:

- Field strength + 200 V/m

- Frequency range 80 MHz to 40 GHz

RE – Radiated Emission:

- Frequency range 9 kHz to 40 GHz

Shielding Effectiveness: IEEE-299

A subset of supported standards:

IEC61000-series, MIL-STD-461, MIL-STD-464, MIL-STD-1275, MIL-STD-704, RTCA DO-160, STANAG 4868, AECTP-250 & 500, DEF-STAN59-411, IEEE299, RADHAZ

Get a true mobile, military-grade EMC test facility for on-site testing

With FORCE Technology's true mobile, military-grade EMC test facility, EMC testing can be performed directly at your site, production facilities or operational locations.

The deployable setup combines a mobile EMC test environment, dedicated EMC instrumentation and an experienced EMC specialist team. No long-term infrastructure investment. No complex logistics planning. No need to transport large platforms or security-restricted products. Just fast, flexible and reliable MIL-STD-461 EMC testing carried out on-site at operational or production locations.

Built on FORCE Technology's DANAK-accredited services. DANAK is Denmark's national accreditation body for testing, calibration, inspection and certification. Using proven methods, equipment and expertise supported by our DANAK accreditation, ensuring recognised authority and compliance credibility.

[Link to facility at forcetechnology.com](https://www.forcetechnology.com)

Testing, calibration, analysis and knowledge sharing

We meet our customers in our comprehensive and unique infrastructure of facilities and laboratories for testing, calibration, and analysis.

We support customers with deep knowledge of standards and can help with their documentation.

We facilitates network meetings with updates on changes in standards and newest relevant science.



Keep in touch

Henrik Nygård Henriksen
Sales Executive
hhe@forcetechnology.com