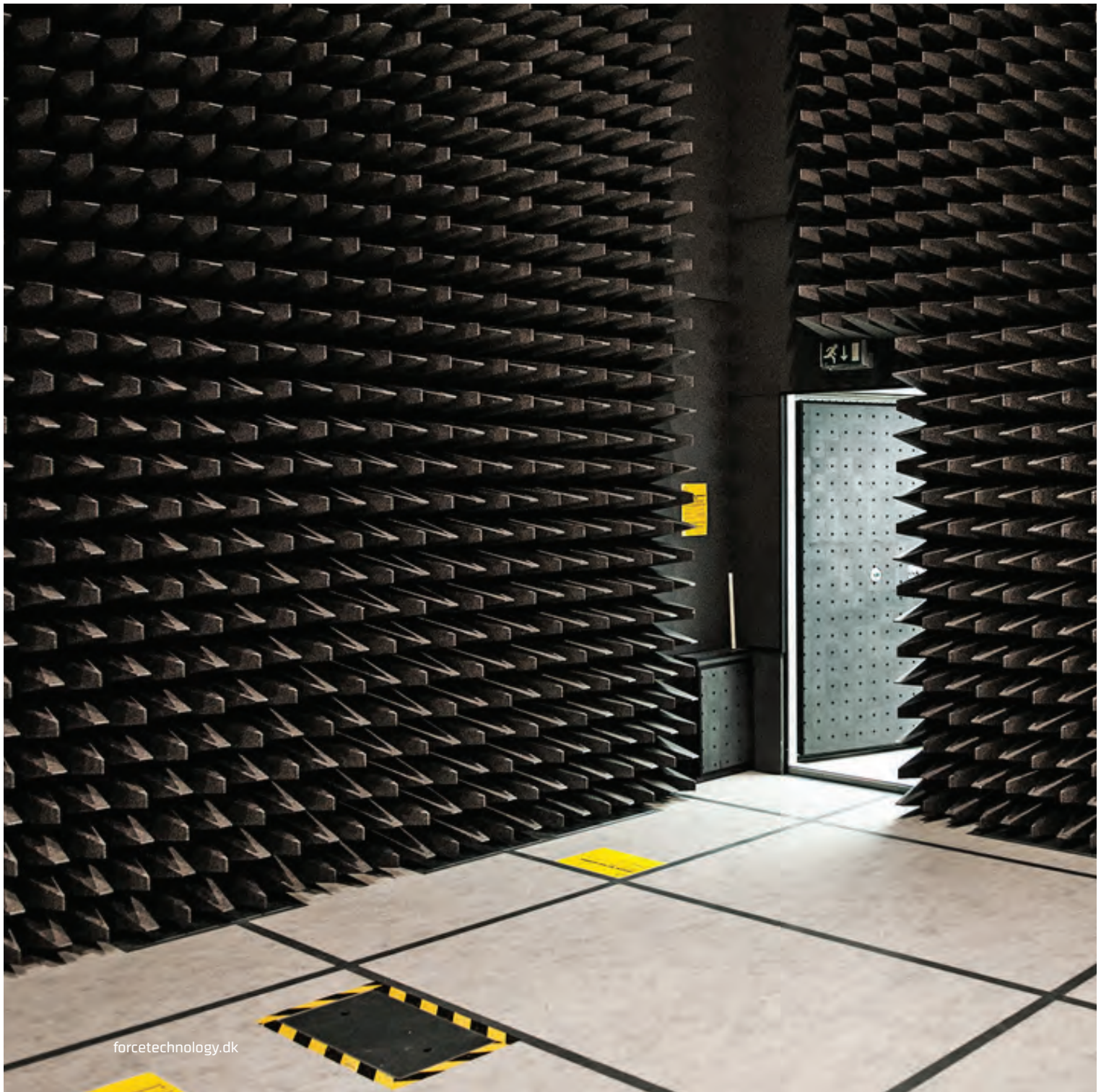


# Accredited EMC test

Get your product ready for the market with an accredited EMC test which tests the product for electromagnetic interference and robustness.



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The level of electromagnetic noise from your product and its robustness against electromagnetic interference from other sources determines whether your product can live up to the rules concerned, and it plays a big role in your product's functionality and success in the market.

It is therefore important to measure and document the level of your product's radiation of electromagnetic noise and response to electromagnetic interference from other products and the environment. At FORCE Technology, we offer accredited EMC tests for that purpose. EMC stands for Electromagnetic Compatibility and expresses the product's ability to electromagnetically work with other electrical or electronic equipment without interference or breaking down.

With an EMC test, you get the electromagnetic radiation and robustness documented. Thus, the test is central to obtaining CE marking or other approvals. FORCE Technology's EMC test is internationally recognised and can be used everywhere to ensure an easier approval process.

FORCE Technology is accredited to carry out EMC tests, and has advanced testing facilities for this purpose. We have some of the industry's most experienced and knowledgeable testing experts who focus on that you end up with a complete and successful result.

By collaborating with FORCE Technology for your EMC testing, you will get:

- Accredited third-party test
- Tests which are methodologically correct
- Measurements conducted according to the standards that are relevant to your market
- Great knowledge about standards, via FORCE Technology's active participation in standardisation working groups, nationally as well as internationally.
- Guidance on whether any adjustments are needed to the test procedure.
- The possibility to expand the testing to include other parameters, e.g, climatic and mechanical durability.

In addition, we offer preliminary EMC tests and do-it-yourself facilities where you can test your products yourself. You can also find relevant courses through us and become a member of the EMC Club.

## SPECIFICATIONS

### EMISSION

Type: Semi-anechoic (walls and ceilings covered with absorbers, and the floor is reflective), Semi-anechoic chambers (SAC). The floor can be covered with absorbers, Full-anechoic room (FAR).

Frequency range (radiated and conducted emission): 9 kHz - 40 GHz

Dimensions (LxWxH): 20.1 x 13.0 x 8.8 m

Port Dimension (WxH): 3 x 3 m

Door Dimension (WxH): 1.2 x 2.1 m

Measuring Distances (emissions): 1 m, 3 m and 10 m

Load capacity (floor): max. 10.000 kg/m<sup>2</sup>

### Rotating Platform

Dimensions (diameter): 5 m

Load: max. 10.000 kg (distributed)

Hydraulic lift platform at the entrance to the SAC:

Load: max. 10.000 kg (distributed)

## IMMUNITY

### HF radiation

Frequency range: 26 MHz - 40 GHz

Field strength: max. 1000 V/m (depending on the frequency range and the test method)

**ESD test:** Test level: ± 30 KV

**Fast transient/burst:** Test level: ± 4.8 KV

**Surge:** Test level: ± 10 KV

### Conducted immunity:

Frequency range: 9 kHz - 230 MHz.

Level: max. 30 V/rms or 260 mA

**Magnetic field:** 50/60 Hz, 1000 A/m

### General conditions

Power supply options: 230 VAC / 50 Hz (phase+0),

400 VAC / 50 Hz (3 phases+0) max 125 A

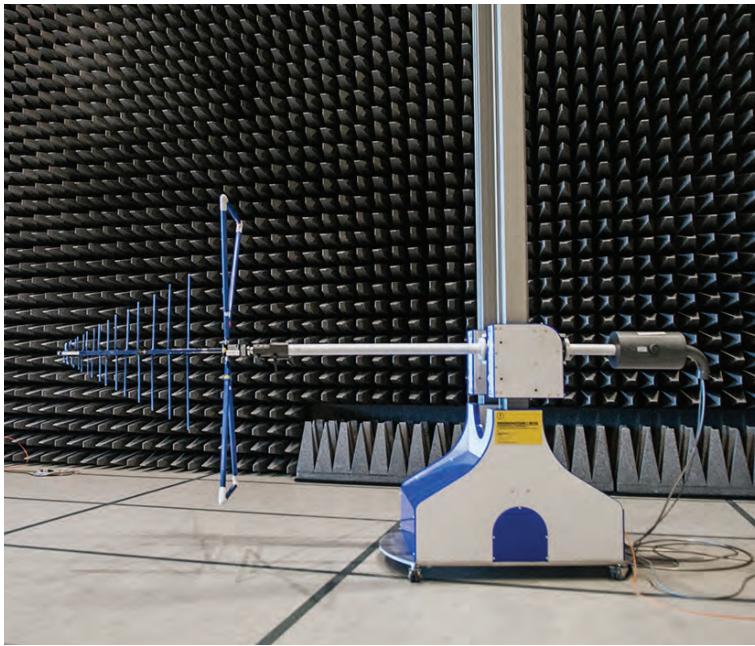
Signal Connections: Ethernet, VGA, DVI, D-sub, USB, HDMI, CAN, RS232, VDC, VAC etc.

Other: Air, water

## MORE INFORMATION

FORCE Technology offers guidance and specialist knowledge about EMC during all phases, before, during and after test, including during the concept and design development phase, and guidance in connection with troubleshooting on existing products and production equipment.

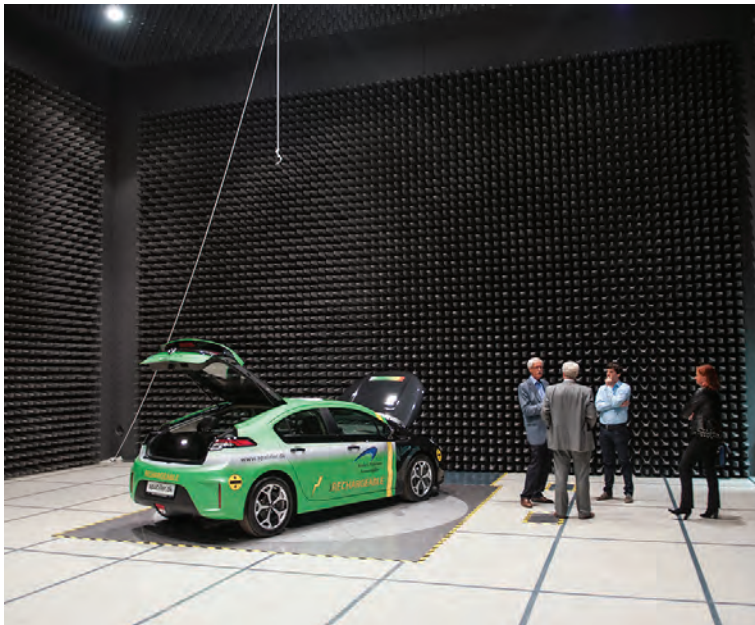
Contact us to find out more: tel. +45 43 25 14 50.



## STRATEGIC ADVANTAGES

With an accelerated EMC test you will gain a number of strategic advantages:

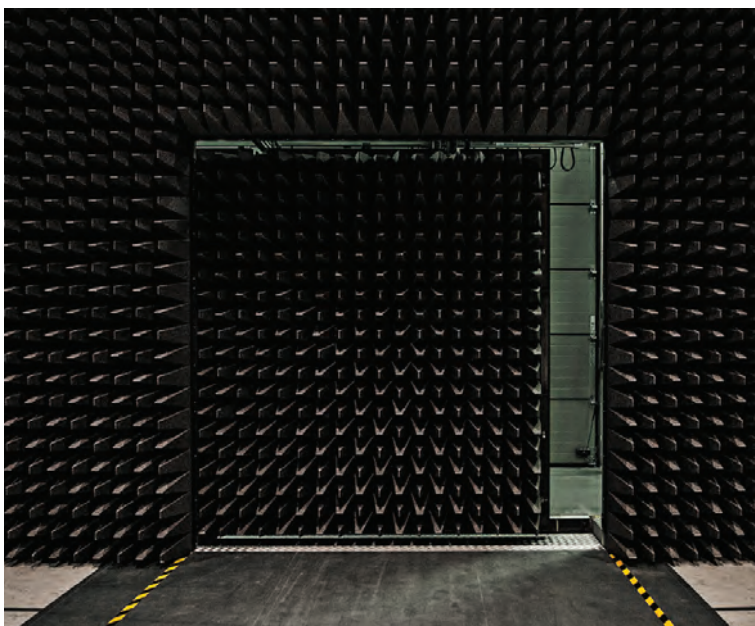
- Clear documentation to authorities, certifying bodies and customers
- More rapid CE marking or other types of approval of your product.




## INDUSTRIES


FORCE Technology offers accelerated EMC testing for a variety of electronic products and has special expertise in the following sectors:

- Building & Construction
- Consumer electronics
- Industrial electronics
- Medical devices and welfare
- Military and aerospace
- Marine and offshore
- Machinery and production equipment
- Technical audiology
- IT and telecom
- Automotive and transportation
- Wind and energy



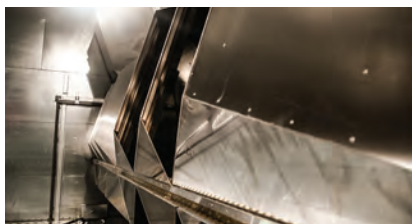
## FACTS

 Hørsholm  
Aarhus

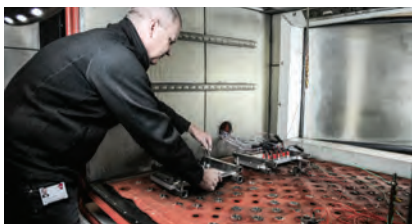
 Standards: CISPR 11, CISPR 22, CISPR 25, CISPR 32, EN/IEC 61000-4-2, EN/IEC 61000-4-3, EN/IEC 61000-4-4, EN/IEC 61000-4-5, EN/IEC 61000-4-6, EN/IEC 61000-4-8, EN/IEC 61000-4-9, EN/IEC 61000-4-10 and a wide range of product standards such as EN60945, EN/IEC 60601-1-2.

**SIMILAR SERVICES**

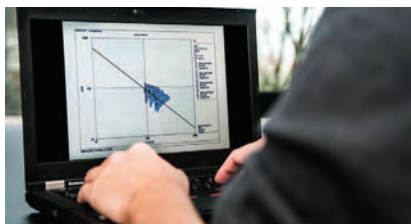
FORCE Technology offers a wide range of other test services, please see below. In addition, we can offer a customised solution where we perform tests across several parameters within a single process, according to your needs. Contact us to find out more: +45 43 25 14 50.



**ACCELERATED EMC TEST**



**ACCELERATED ROBUSTNESS TEST**



**ACCELERATED RELIABILITY TEST**



**ACCREDITED CALIBRATION OF HUMIDITY SENSORS**



**ACCREDITED MECHANICAL TEST**



**ACCREDITED INGRESS PROTECTION (IP)**



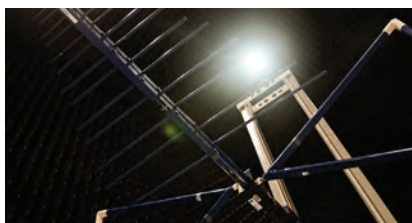
**ACCREDITED CLIMATIC TEST**



**ACCREDITED EMC TEST**



**ADVICE ABOUT PRODUCT APPROVALS**



**WIRELESS APPROVAL AND PERFORMANCE TEST**



**ACCREDITED PACKAGING TEST**



**TENSILE AND FATIGUE TEST**



**GUIDANCE ABOUT MARKET ACCESS FOR MEDICAL DEVICES**



**EMC PRE-TEST: DO-IT-YOURSELF**



**ELECTRICAL SAFETY TEST**

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