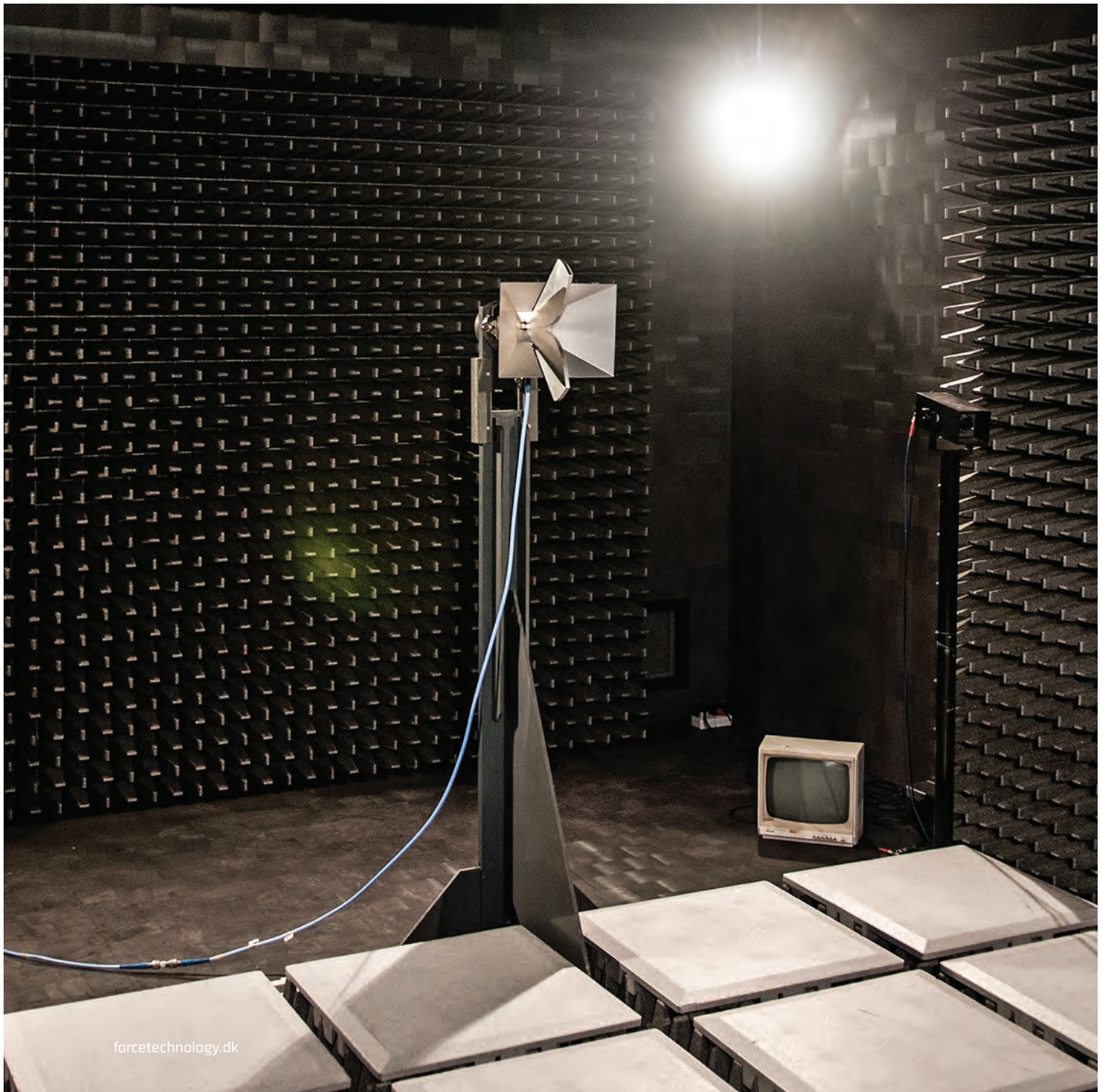


EMC pre-test: do-it-yourself

At FORCE Technology, you can gain access to the test facilities and carry out your own EMC pre-test and thereby test whether your product is sensitive to appliances that emit electromagnetic noise.



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At FORCE Technology, you can gain access to the test facilities and carry out your own EMC pre-test and thereby test whether your product is sensitive to appliances that emit electromagnetic noise.

You can give your new electrical and electronic products a good start by testing them for their robustness against electromagnetic interference. An EMC pre-test that you carry out yourself, will give you a general idea of how your product will react in different user situations - close to mobile telephones, routers, RF transmitters and other equipment. EMC stands for Electromagnetic Compatibility and expresses the product's ability to electromagnetically function together with other electrical or electronic equipment without interference or breaking down.

By becoming a member of the EMC Club, you automatically gain access to FORCE Technology's do-it-yourself facilities, where you can test your product against a number of basic standards. For example, you can test your product's immunity to high field strengths.

» We use the do-it-yourself facilities in the product development phase in order to ensure that our products meet the EMC requirements and pass the type approval test without appreciable problems.

– Per Hammer, Thrane & Thrane A/S.

In a do-it-yourself pre-test, you may use FORCE Technology's advanced facilities, you also gain access to a specialist from FORCE Technology during the booked time. This provides you with the opportunity to purchase EMC advice or help with the test, if you need this. In addition, you can get do-it-yourself training in standards at meetings in the EMC Club.

FORCE Technology has a wide range of laboratories and test facilities available: We have some of the market's most experienced and knowledgeable EMC experts who want to help you reach your goal with a complete and successful result.

Using FORCE Technology's do-it-yourself facilities you get:

- Access to state-of-the-art testing equipment
- Instructions in methodically correct testing
- The option to purchase expert advice along the way

FORCE Technology offers do-it-yourself EMC pre-testing to members of the EMC Club who have received do-it-yourself training in standards at three of the EMC Club's 10 annual meetings. Read more at emcklubben.dk.

SPECIFICATIONS

Frequency range (radiated and conducted emission):
9 kHz - 2 GHz

EMISSION / IMMUNITY

ESD test

Test level: ± 15 KV

Fast transient/burst

Test level: ± 4 KV

Surge

Test level: ± 4 KV

Conducted immunity

Frequency range: 0.15 - 80 MHz.
Field strength: max. 10 V/rms

Magnetic field

50/60 Hz, 30A/m
Dimensions (LxWxH): 5.1 x 4.1 x 3.1 m
Door dimension (WxH): 1.1 x 2.15 m
Type: Shielded enclosure without absorbers
Power supply conditions: 230 VAC 50 Hz (phase + 0)
and 400 VAC (3 phase + 0). Max. 16 A per phase
Signal connections: Ethernet, VGA, DVI, D-sub, USB,
HDMI, VDC, etc.
Compressed air

HF radiation

Frequency range: 26 MHz - 6 GHz
Field strength: max. 20 V/rms
Type: Anechoic shielded enclosure
Dimensions (LxWxH) less than: 7.5 x 4.1 x 3.19 m
Door dimension (WxH): 1.2 x 2.05 m
Power supply conditions: 230 VAC / 50 Hz (phase+0),
400 VAC / 50 Hz (3 phase+0) max. 32 amp.
Signal connections: Ethernet, VGA, DVI, D-sub, USB,
HDMI, VDC, etc.
Air
Water

MORE INFORMATION

In the do-it-yourself EMC pre-test facilities you can perform your own EMC pre-testing and thereby test whether your product is sensitive to devices that emit electromagnetic noise.

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



STRATEGIC ADVANTAGES

With a do-it-yourself EMC pre-test you will gain a number of strategic benefits:

- Increased knowledge of the tests and of your product
- Improved knowledge about EMC to improve your company's EMC design in future
- A good basis for choosing further advanced test procedures.




SECTORS


Do-it-yourself EMC pre-testing is relevant for most industries, including:

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



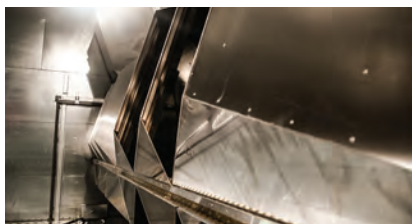
FACTS

 Aarhus
Hørsholm

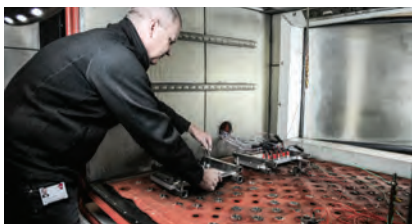
 CISPR 11, CISPR 22, CISPR 25, CISPR 32, EN/IEC 61000-4-2, EN/IEC 61000-4-3, EN/IEC 61000-4-4, EN/IEC 61000-4-5, EN/IEC 61000-4-6, EN/IEC 61000-4-8, EN/IEC 61000-4-9, EN/IEC 61000-4-10 and a number of the product standards e.g. EN60945, EN/IEC 60601-1-2.

SIMILAR SERVICES

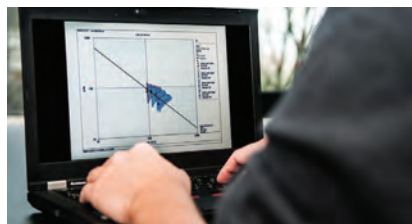
FORCE Technology offers a wide range of other test services, please see below. In addition, we can offer a customised solution where we perform tests across several parameters within a single process, according to your needs. Contact us to find out more: +45 43 25 14 50.



ACCELERATED EMC TEST



ACCELERATED ROBUSTNESS TEST



ACCELERATED RELIABILITY TEST



ACCREDITED CALIBRATION OF HUMIDITY SENSORS



ACCREDITED MECHANICAL TEST



ACCREDITED INGRESS PROTECTION (IP)



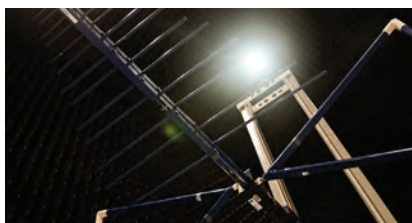
ACCREDITED CLIMATIC TEST



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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