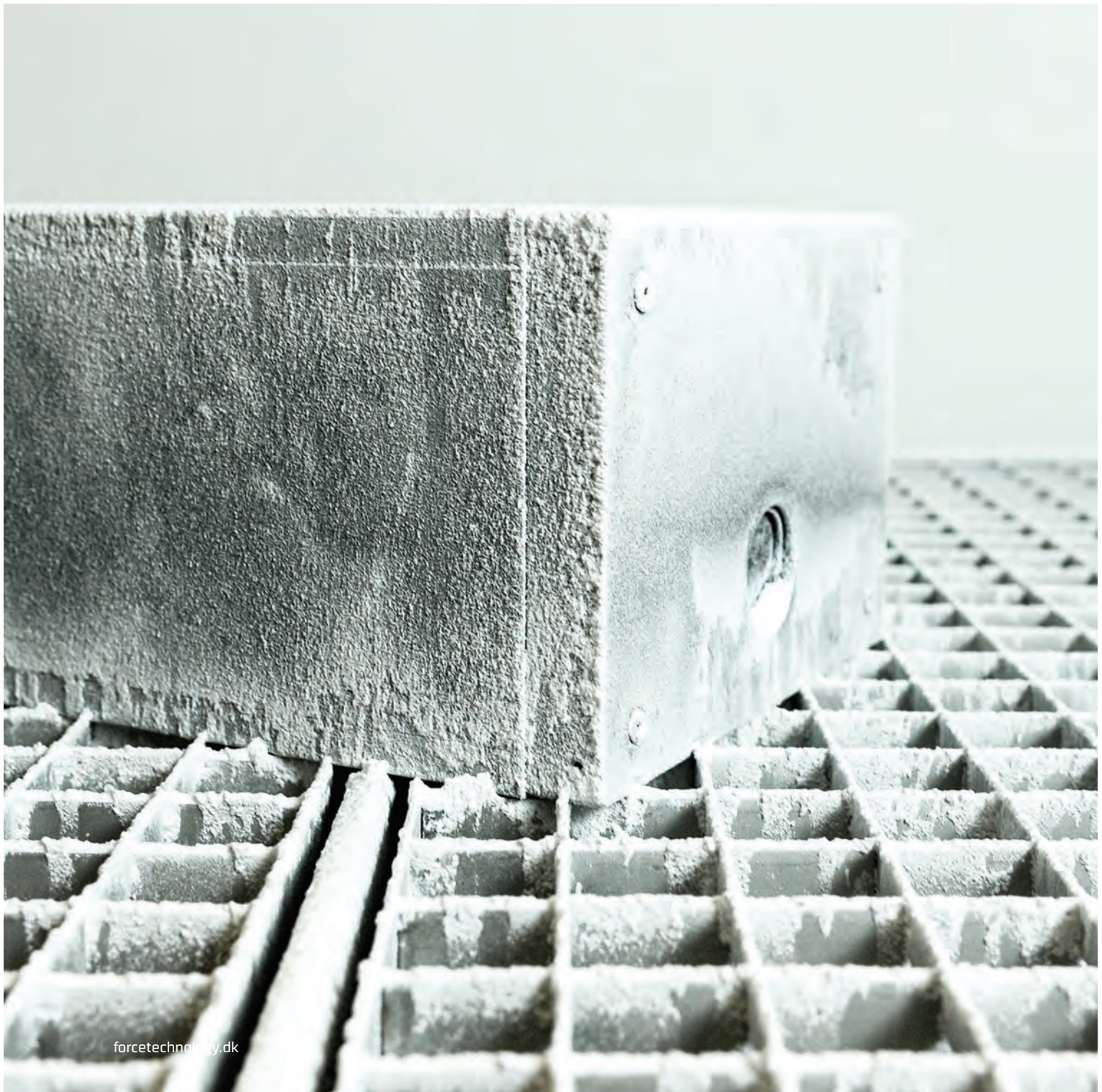


Accredited ingress protection (IP)

At FORCE Technology you can get your products tested and classified to the degree of protection (IP code) an enclosure provides against ingress of water and of solid foreign objects.



Accredited ingress protection (IP)

At FORCE Technology you can get your products tested and classified to the degree of protection (IP code) an enclosure provides against ingress of water and of solid foreign objects.

Liquids, dust, salt, and dirt are virtually everywhere and can be devastating to your product. The product must be able to remain impenetrable so its unique features are preserved, and the quality meets international standards as well as your customers' expectations.

Targeted ingress protection tests give you the assurance that external conditions do not affect your electrical or electronic product. It can be difficult to consider all types of external influences. FORCE Technology can provide you with advice and tests that are widely extensive and take all conditions into account.

With an accredited ingress protection test from FORCE Technology, you will discover whether there may be weaknesses in your product in terms of penetrability, and if it is resistant to various types of liquids and solid foreign objects. You will get the chance to find potential improvement opportunities to optimise your product design before it is launched.

At FORCE Technology you can get your products tested and classified to the degree of protection an enclosure provides against ingress of water and of solid foreign objects (IP code). Thereby you are able to get a rating for your product's resilience to solid foreign objects and liquids.

The ingress protection test can include, e.g. a drip tests, various spray tests, immersion or dust tests. In addition, at FORCE Technology you can supplement with other testing methods that go beyond the standard tests.

FORCE Technology is accredited to carry out ingress protection 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 ingress protection test, you will get:

- Accredited third-party test
- Tests which are methodologically correct
- Testing conducted according to the standards that are relevant to your industry
- Expert advice on whether any adjustments are needed to the test procedure or product design

- Access to the great knowledge about standards, via FORCE Technology's active participation in standardisation working groups
- The option of expanding the test to include other parameters.

SPECIFICATIONS

IP1X - IP6X test

For IP5X and IP6X max. size of test object (WxHxD):
2,000 x 1,000 x 900 mm

Free-falling dust test

Temperature range: 30 °C - 55 °C
Dimensions (HxWxD): 500 x 165 x 130 cm
Access (HxB): 190 x 93 cm

IPX1 - IPX9 test

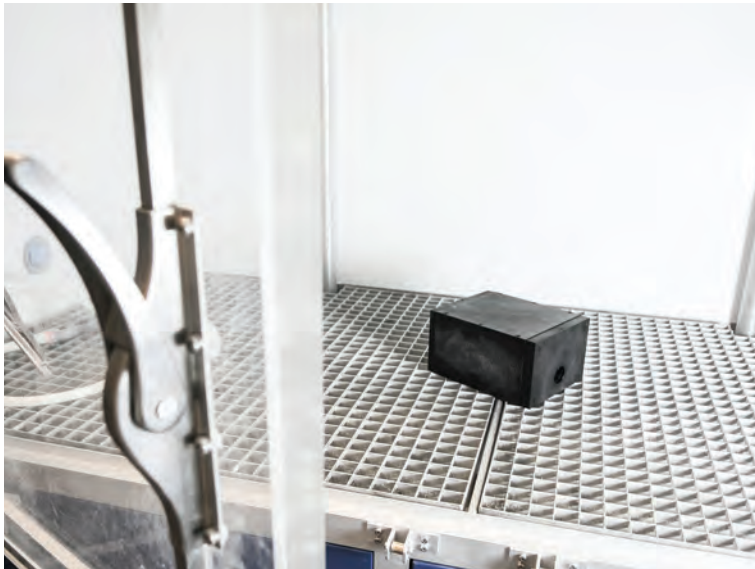
Flow: 100 l/min ±5 %
Test duration: 1 min. per m², 3 min. minimum
Distance from nozzle: 2.5 - 3 m
Submersion depth: 1,000 mm
Duration: 30 min.

MORE INFORMATION

FORCE Technology can help you with a wide range of other types of environmental tests. We offer guidance and specialist knowledge throughout all phases, before, during and after testing, including during the concept and design development phase, as well as guidance in connection with troubleshooting on existing products.

Other environmental tests that we offer include: climatic tests, mechanical tests, tensile and fatigue testing, packaging tests, corrosion and HACT tests. 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: tel. +45 43 25 14 50.



STRATEGIC ADVANTAGES

With an accredited ingress protection you will gain a number of strategic advantages:

- Possibility to adjust the design prior to launch
- Lower risk of product complaints and repair costs
- A possibility to improve the lifespan and quality of your product
- Clear documentation for CE marking or other types of approval of your product.




SECTORS


FORCE Technology offers ingress protection tests and other environmental tests of mechanical, electronic and electromechanical products, within most industries, including:

- 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



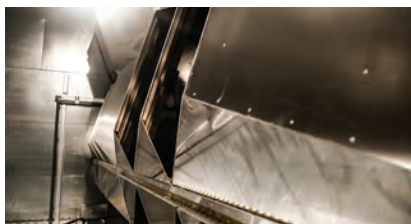
FACTS

 Hørsholm
Nordborg

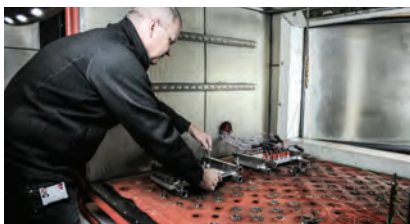
 IEC 60529, DIN 40050- part 9, UL 50E or according to your specifications.

SIMILAR SERVICES

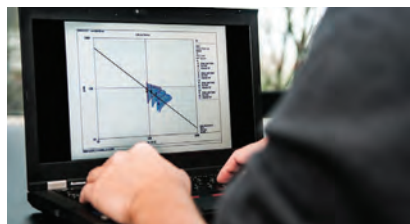
FORCE Technology offers a wide range of other test services, please see below. In addition, we can offer a customised solution where we perform tests across several parameters within a single process, according to your needs. Contact us to find out more: +45 43 25 14 50.



ACCELERATED EMC TEST



ACCELERATED ROBUSTNESS TEST



ACCELERATED RELIABILITY TEST



ACCREDITED CALIBRATION OF HUMIDITY SENSORS



ACCREDITED MECHANICAL TEST



ACCREDITED INGRESS PROTECTION (IP)



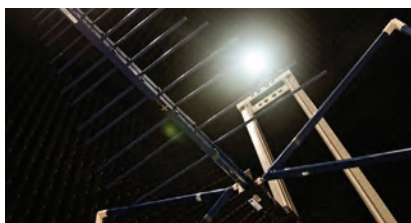
ACCREDITED CLIMATIC TEST



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

FORCE Technology

Headquarters
Park Allé 345
2605 Brøndby
Denmark

Tel. +45 43 25 00 00
info@forcetechnology.dk
forcetechnology.dk

FORCE Technology
Venlighedsvej 4
2970 Hørsholm
Denmark

FORCE Technology
Agro Food Park 13
8200 Aarhus N
Denmark

FORCE Technology
Nordborgvej 81, L7-514
6430 Nordborg
Denmark