

Pre-compliance testing

Data Respons Solutions has the necessary equipment for pre-testing in accordance to customer functionality.

data  **respons**
SOLUTIONS



If your product or system passes our pre-compliance tests, it's a good indication that it will pass fully accredited certification tests," says Ingvild Johansen, OEM Solution Department Manager.

Our test facilities

Data Respons Solutions has the necessary equipment for pre-testing in accordance to customer functionality.

INTERNET OF THINGS & INTERFERENCE OF THINGS

Running into test problems at an accredited lab can be a very costly affair. Detecting, eliminating and fixing compliance issues at an early stage can not only reduce costs and time to market, it can improve your chances of passing fully accredited certification tests.

Our team of experienced engineers perform pre-certification tests for you, within sectors such as automotive, consumer, marine, medical, defence, subsea and telecom.

"If your product or system passes our pre-compliance tests, it's a good indication that it will pass fully accredited certification tests," says Ingvild Johansen, OEM Solution Department Manager.

In the event that a product or system fails to pass the tests, we can provide rapid assistance in identifying the problems as well as access resources to resolve them. Data Respons Solutions also has expertise and equipment for development tests and pre-certification tests for consultancy services.

Pre-test benefits

- Detect, eliminate & fix issues at an early stage
- Reduced cost
- Improved chances of passing accredited tests
- Make it to market

Avoid wasting time and money, book your next pre-certification test with us!



Test equipment

Vötsch VC-4060 climatic chamber with temperature and humidity control.

Vötsch VCS-4100-5 temperature chamber.

Pricing

Equipment rent:
NOK 1 560 /day

Assisting engineer:
NOK 1 560 /hour

Climatic / Temperature chamber

VÖTSCH VC-4060 SPECIFICATIONS

Temperature range for temperature test:	-40° to +180°C
Temperature range for climatic test:	+10° to +95°C
Humidity range for climatic test:	10 - 98 % r.h.
Rate of temperature change:	Cooling : 3°/min Heating: 4°/min
Internal space:	W:76cm H: 95cm D: 74cm

VÖTSCH VCS-4100-5 SPECIFICATIONS

Temperature range:	-40°C to +180°C
Rate of temperature change:	Cooling : 6,7°C/min Heating: 6,1°C/min
Internal space:	W:106cm H: 95cm D: 89cm



Test equipment

LDS V780 low force shaker
LPT 600 slip table

Pricing

Equipment rent:
NOK 7 800 /day

Assisting engineer:
NOK 1 560 /hour

Vibration test

Shaker and slip table for test in three axes.

SPECIFICATIONS

Peak force sine:	5115 N
Random force RMS:	4220N
Frequency range:	DC-4000 Hz
Max acceleration sine:	1098 m/s ²
Max acceleration random:	490 m/s ²
Max velocity:	1,9 m/s
Max displacement (peak to peak):	25,4mm
Max payload:	50kg

Test equipment

NSG 434 ESD simulator

Pricing

Equipment rent:
NOK 1 560 /day

Assisting engineer:
NOK 1 560 /hour

ESD pre-testing

SPECIFICATIONS

Test range, pre-programmed:

Test settings up to level 3

Air-discharge:

200 V to 8.8 kV (in 100 V steps)

Contact-discharge:

200 V to 6.6 kV (in 100 V steps)



Test equipment

TEM Cell Jyske EMC

Pricing

Equipment rent:
NOK 1 560 /day

Assisting engineer:
NOK 1 560 /hour

EMC pre-testing

Field immunity / Radiated immunity

SPECIFICATIONS TEM CELL

Test range:	10 kHz - 1GHz
Max EUT dimension:	(LxBxH) 40x40x20cm
Amplifier research 15W amplifier:	10 kHz - 200 kHz
Amplifier research 10W amplifier:	1MHz-1GHz
Amplifier research FM200 Field monitor:	
Amplifier research 888	
Gated Levelling Preamplifier:	10 kHz – 1GHz

IEC/EN 61000-4-6
IEC/EN 61000-3-2



Test equipment

R&S SMT02 signal generator
ESL EMI test receiver

Pricing

Equipment rent:
NOK 1 560 /day

Assisting engineer:
NOK 1 560 /hour

EMC pre-testing

Conducted RF immunity (power cables)
Conducted emission (power cables)

SPECIFICATIONS RF IMMUNITY

R&S signal generator
Amplifier research: 15W amplifier 10KHz-250MHz
Teseq CDN M216 Coupling and decoupling network
Teseq ATN 6025 6dB Attenuator

SPECIFICATIONS EMISSION

ESL EMI test receiver
EMCO 3810/2 LISN