




# Environmental Testing

## YOUR PARTNER FOR

-  Engineering
-  Simulation
-  Testing



## ENVIRONMENTAL TESTING WITH PTS-PRÜFTECHNIK

Components and overall systems are exposed to a wide variety of climatic, mechanical and corrosive stresses during their life time. These environmental influences affect both the performance, life time and functionality of products. Whether in the automotive or non-automotive sector - we accompany our customers from the initial concept through to series production and investigate the interaction between products and their environment in accordance with international standards and OEM specifications. In our test laboratory, the possibilities range from temperature and climate change tests in climate chambers to corrosion tests (e.g. salt spray) and mechanical shock & vibration tests.

### Our tests include among others:

- Temperature, and climate change tests
- Thermal shock tests
- Salt spray tests (NSS)
- Corrosion and corrosion change tests
- IP tests (water, and dust tightness tests (chamber / room solutions))
- Mechanical shock and vibration tests
- Stone chip tests
- Chemical tests
- Noxious gas tests
- Passive / active testing (electrical / cooling circuit / etc.)
- Customer-specific test concepts can be flexibly implemented

### Technology and Standards:

- Temperature range: from **-70 °C** to **+180 °C**
- Relative humidity:  $\leq 98$  % r. h.
- Tests according to, among others: MBN10306, MBN10562, IEC 60068-2-xx, LV 124, LV 123, VW 80000, IEC 60512-3, ISO 16750-x, ISO 20653, DIN EN ISO 9227:2017

TOGETHER INTO THE CO<sub>2</sub>-NEUTRAL FUTURE!

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