

# Testing

## Quality Control

## Life Prediction

## Material Selection

*Accelerated corrosion tests, cyclic tests, salt spray tests etc.*

**S**werea KIMAB together with its French subsidiary, Institut de la Corrosion (IC) is one of the leading organisations in Europe in the area of corrosion and corrosion testing.

**W**ith a staff of more than 80 engineers and technicians, working with corrosion, we have one of Europe's highest competence concerning corrosion gathered under one roof. We have extensive corrosion testing facilities and are also actively involved in standardisation.

**We can offer corrosion testing of materials for many different applications, including the following:**

### Automotive / Transport

- Volvo STD 1027, 1375 (VICT)
- Volvo STD 423-0014 (ACT)
- Volvo VCS 1027, 149
- Renault ECC1 D17 2028, D531762
- SS-ISO 16701
- GM 9540P
- VDA 621-415, VDA 233-102
- Nissan M0158 (CCT IV)
- SAE J2334
- Scania STD 4233
- PSA TCAC D13 5486
- Ford CET P00.00L467
- Daimler KWT
- and according to demand from customer

### Electronics

- Corrosivity classification e.g. ISA-S.71-04-1985
- Parts of standard IEC 60068
- and according to demand from customer

### Off-shore/Marine

- NORSOK M 501
- ISO 20340
- ISO 12944
- NACE TM0304, TM0404
- and according to demand from customer

### Salt spray tests, NSS

- ISO 9227 (SS-EN ISO 9227)
- ASTM B 117
- DIN 50 021
- IEC 60068-2-11
- MIL 810 D
- NF A05-109
- and according to demand from customer



# Large number of testing facilities

## Indoor testing

- Climatic chambers for humidity and temperature
- Climatic chambers with corrosive gas (eg. SO<sub>2</sub>, H<sub>2</sub>S, NO<sub>2</sub>, O<sub>3</sub>)
- Salt spray chambers
  - NSS (Neutral Salt Spray)
- Combined salt spray and climatic chambers
- QUV chambers (Accelerated Weathering Tester)
- Condensation tester
- Autoclaves (no special standards, testing in agreement with customer)
- And according to demand from customer
- Explosion-proof climate chambers

## Field testing

- Testing in water and soil
- Atmospheric exposures:
  - Accelerated outdoor test by intermittent spraying of a salt solution (SCAB testing) ISO 11474
  - Marine field stations (France, Sweden and Singapore)
  - Rural field stations
  - Urban field stations
  - Industrial field stations (Singapore and China)
  - On vehicle exposure (Worldwide)
  - UV and sand (Dubai, UAE)



## Contacts



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