



Reliability Testing for Aerospace and Defense

Accredited Environmental Testing for Military
and Aerospace Applications

kiwa

Test Competence According to MIL-STD & RTCA at Kiwa Primara

Whether in the air or on the ground, products for military and aerospace use must perform reliably under extreme environmental conditions. Kiwa Primara offers comprehensive testing services according to international standards, with a clear focus on the demands of aerospace and defense projects.

Our test center in Kaufbeuren (Southern Germany) is easily accessible and works closely with manufacturers, suppliers, and system developers. The laboratory is DAkkS-accredited and meets the highest requirements for environmental, durability, and safety testing.

Our Testing Focus Areas

We test your components and systems according to key military and aerospace standards:

- RTCA DO-160G – Environmental testing for airborne electronic equipment (e.g., vibration, temperature, humidity, pressure)
- RTCA DO-311 – Safety tests for rechargeable lithium batteries in aviation systems
- MIL-STD-810G – Environmental simulations for military equipment in extreme scenarios
- MIL-STD-883K – Qualification and reliability tests for military microelectronics

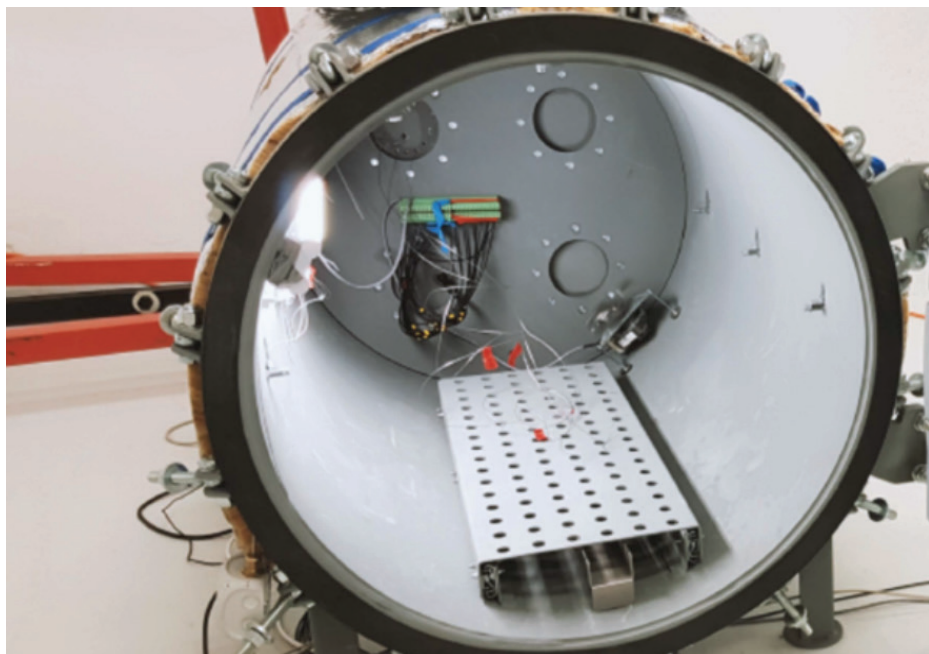
Advanced Test Infrastructure for Realistic Scenarios

Our laboratory features extensive test equipment to conduct precise environmental simulations:

- Temperature shock chamber (120 L): –80 °C to +220 °C
- Climate chambers (340 L & 600 L & 1500 L): –70 °C to +180 °C with humidity control
- IP testing stations: Dust and water ingress testing
- Salt spray chamber: Corrosion resistance according to international standards
- Vibration and shock tables: Mechanical stress testing
- Specialized chambers for vacuum and explosive atmospheres

Your Benefits with Kiwa Primara

- DAKKS-accredited test laboratory for military and aerospace standards
- Technical expertise in environmental and durability testing
- Fast processing times, clear communication, and detailed reports
- Proven experience with complex testing requirements
- Part of a global expert network offering additional services (e.g., EMC, wireless, cybersecurity, global market access)



Start Your Testing Projects Now

With our expertise, we help you bring your products to market in a compliant, safe, and efficient manner. Rely on accurate, standards-compliant test results. Contact us to discuss your specific testing requirements.

Accreditation

Our national and international recognition by accreditation bodies ensures the high quality of our work. Our reports, declarations and certificates are accepted worldwide.

Since 2011 Kiwa Primara has been accredited by the Deutsche Akkreditierungsstelle GmbH (DAKKS) according to DIN EN 17025 and DIN EN 17065 to test and certify electrical equipment. In addition, we offer testing and certification in the IECCEB Scheme procedure and are a recognized GS certification body.

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