



Automotive



Electrics



Military



FRANKONIA



Innovations



Automation



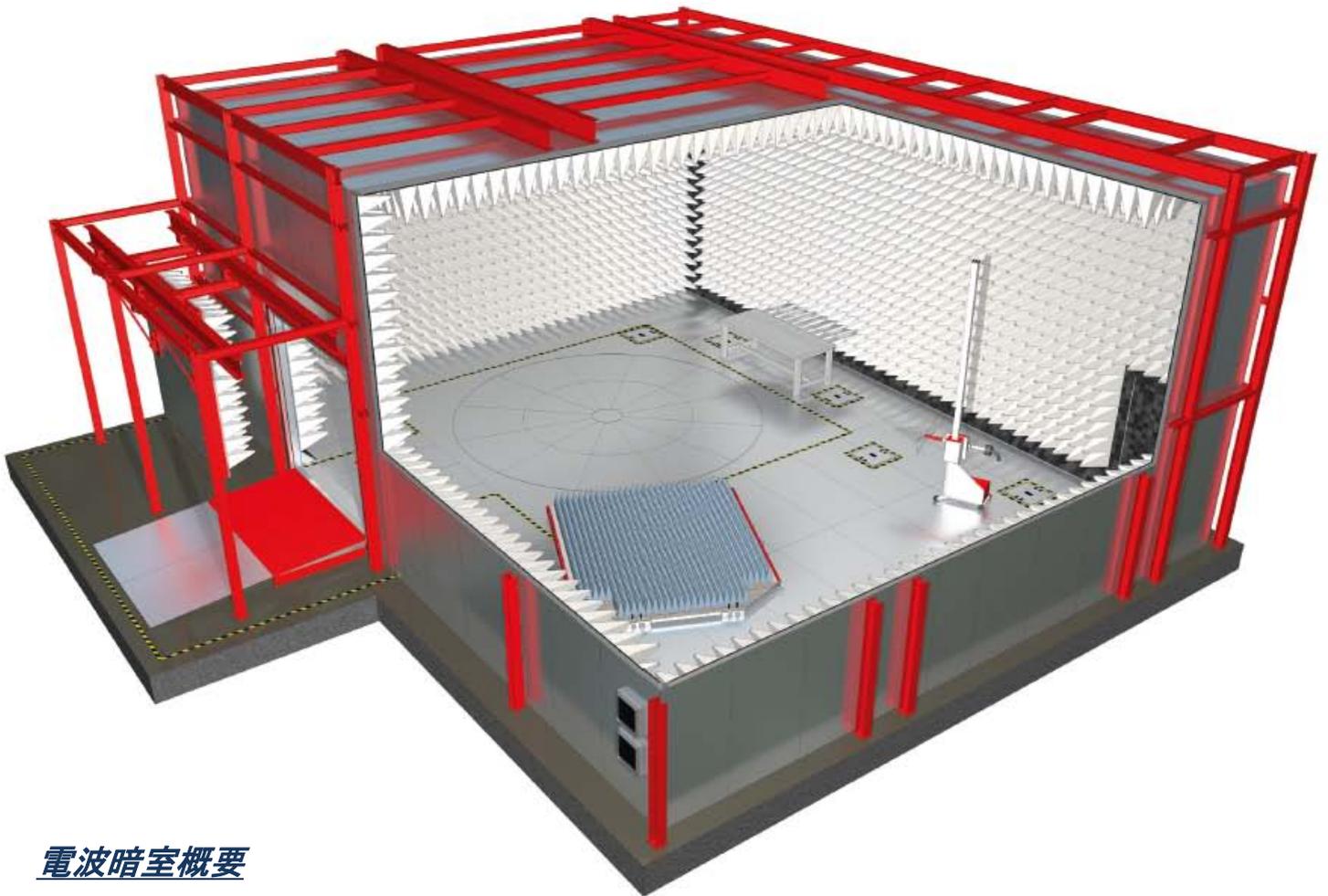
Test Systems

最新の EMC 電波暗室を TÜV オーストリアへ設置しました。

Frankonia Customized Solutions

One of the most modern EMC laboratories for TÜV AUSTRIA

A state-of-the-art SAC-3/5 Anechoic Chamber Solution with moveable floor-absorberboard



電波暗室概要

- ▶ Compact Frankonia AVTC chamber (SAC)
- ▶ Quiet Zone NSA and SVSWR $\phi 2.0$ m at 3 m; NSA $\phi 6.0$ m at 5 m test distance
- ▶ Full lining Frankosorb® H600 and H1000 hybrid absorbers
- ▶ Cost-saving non-combustible absorbers in A2
- ▶ Moveable floor-absorberboard that can remain in the chamber
- ▶ Fully flexible and high-performance chamber
- ▶ Proven long-term absorber stability and performance with more than 25 years

TÜV
AUSTRIA

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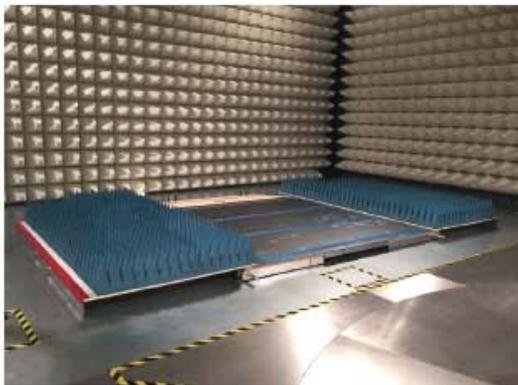
Performance Excellence

TÜV AUSTRIA, Vienna

As an commercial testing laboratory, TÜV AUSTRIA specifically asked for stable performance, highest quality and technology, a future proven and cost-saving solution, and a technology to speed-up the preparation of the testing scenario. The result is one of the most modern EMC test labs for commercial testings with an extended range (IT, cars & e-cars, airborne, MIL,...) that includes a moveable floor-absorberboard for EM/EMS that can remain in the chamber.



Foto: APA Folkservice



Performance:

- NSA at 3m test distance <3 dB (30 MHz - 1 GHz)
- NSA at 5m test distance <3.5 dB (30 MHz - 1 GHz)
- SVSWR at 3m test distance <3.0 dB (1 GHz - 6 GHz)
- SVSWR at 3m test distance <2.5 dB (6 GHz - 18 GHz)
- FU 75% (HV) <4.5 dB (80 MHz - 1 GHz)
- FU 75% (HV) <5.5 dB (1 GHz - 6 GHz)

Standards:

- EN 55011; EN 55014; EN 55022; EN 55032
- EN 61000-4-3
- CISPR 25
- ISO 11451-2; ISO 11452-2
- RTCA DO-160G (airborne equipment)
- MIL-STD-461F

Project Data:

- Chamber size 11.8 x 11.5 x 6.5 m (SAC)
- Test distance for 3m and 5m
- Frequency range from 10 kHz up to 40 GHz
- Frankosorb® H600 and H1000 hybrid absorber
- Non-combustible absorbers acc.to DIN EN 13501-1 class A2
- Moveable floor-absorberboard for EM/EMS tests
- ø2.0 m quiet zone at 3 m test distance (H 2.0m) (NSA & SVSWR)
- ø6.0 m quiet zone at 5 m test distance (H 2.0 m) (NSA)
- Raised floor with 10 tons load
- Turntable ø6.0 m with 10 tons load prep. for cars & e-cars
- Monitoring and automation set incl. FAM1-4 antenna mast
- Gate 3x3m ind. lifting ramp for heavy EUTs



Frankosorb® Absorbers:

The Frankonia Frankosorb® absorber technology combines a variety of high-performance standards in a single solution. Due to the stable performance characteristics and its unique non-combustible attribute, a safe environment and EUT protection can be assured, which also leads to a constant and long-lasting testing quality.

