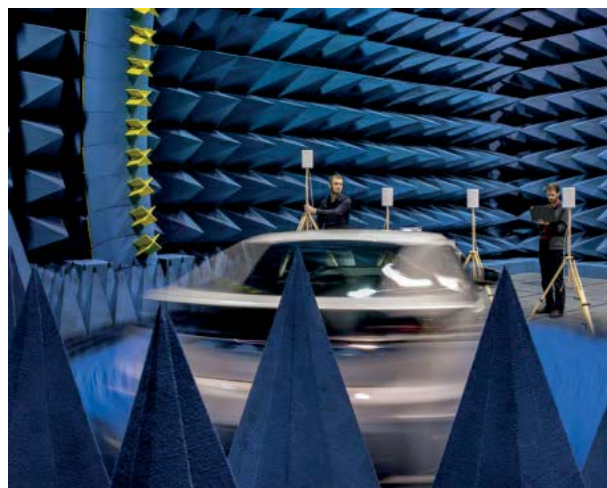




### „VISTA – Virtual Road – Simulation- and Test Area“

- Combination of radio and automotive technological measurement methods (virtual reality, over-the-air)
- Emulation of environmental and operational conditions and their interactions
- Innovative connected mobility concepts (e.g. C2X, ITS, 5G): Automotive antennas, car sensor technology, EMC, human exposure, vehicle control, driver assistance, convergence of services: Mobile- and satellite communications, radar, navigation

Shielded chamber	16 m × 12 m × 9 m
Frequency range	70...6000 MHz
Turntable	Ø 6.5 m, (360 ± 0.1)°
EMC distance	≤ 5 m
Speed	≤ 100 km/h
Car wheel base	≤ 3.5 m, Mass load ≤ 2.5



### Antenna Measurements in VISTA

- Measurement of automotive antennas as mounted
- Radiation pattern, gain, XPD or AR
- Antenna arch with multi probe technology

Manufacturer	Satimo Industries SAS
Technology	Spherical near field measurement
Frequency range	70...6000 MHz
Probes (resolution)	111 at 400...6000 MHz (1°) 22 at 70...400 MHz (5°)
Max. object size	4 m (<220 MHz) 5.2 m (<3300 MHz) 3 m (5800 MHz)
Measurement time typ.	30 min for 3D pattern at up to 10 frequency points

