

# ACOUSTICS & VIBRATIONS

## DEVELOPMENT & VALIDATION



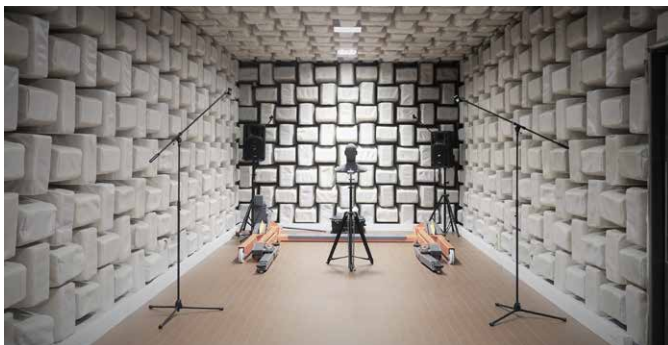
## YOUR GLOBAL MOBILITY ENGINEERING EXPERTS

We are your competent partner regarding topics of acoustics and vibrations in the automotive and non-automotive sector. With our team of experts and support from the EDAG acoustics-network, we can offer a wide-ranging portfolio of development- and validation services.

For the future, we are working specifically on innovative topics and so we can define the solution for new questions. Through cooperation with universities, future topics can be addressed early on in the context of theses / research projects / cooperations.

### We have the right equipment for acoustic validation:

- Measurement systems from MüllerBBM, Siemens PLM and HeadAcoustics
- Sensoric for airborne-/ structure-borne measurements and for engine- and vehicle speed detection
- Artificial head, impulse hammer, acoustic camera, noise-free shaker
- Semi-anechoic chamber (size: 35m<sup>2</sup>, lower limit frequency: 100Hz, quiet sound level: 20dB)



### Our portfolio in overview

- General: benchmark, target definition
- Powertrain Acoustics
- Structural Dynamics
- Interior Noise
- Ancillary units/ components
- Implementation of measurements
- Support of acoustic test benches
- Acoustic design of rooms

### Together we are strong! The EDAG acoustics-network

A networking of national / international locations and various departments from engineering, simulation and validation enable us to have wide acoustic competences in this network:

- Concept- / method development
- Virtual design
- Development of measures
- Validation
- Series support of total vehicle, components, speaker systems and AVAS
- Sound tuning for infotainment and announcement

**EDAG Engineering GmbH**  
mail: [acoustics@edag.com](mailto:acoustics@edag.com)