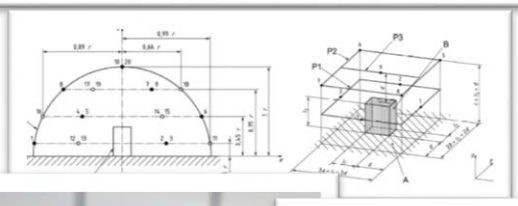
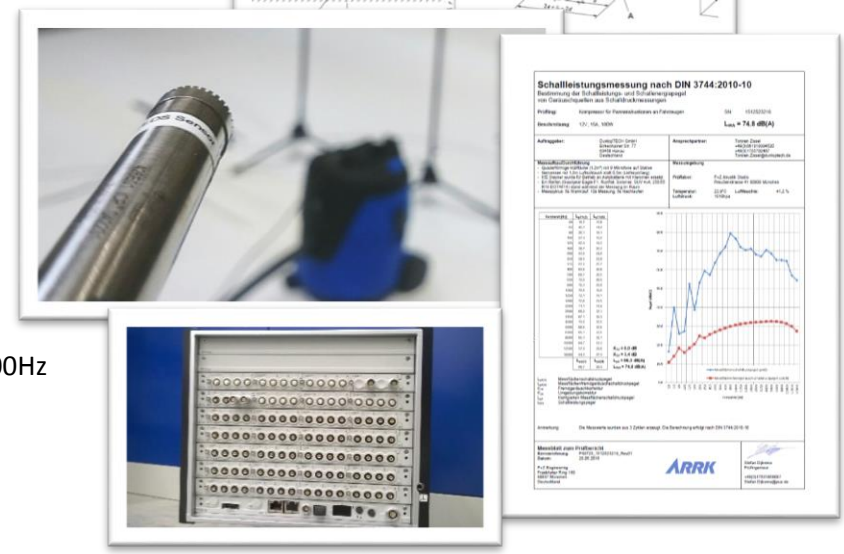
Sample project: Sound Power Level Measuring Semi-Anechoic Chamber

Objective:

Performance of measurement for sound pressure level and sound power in accordance with

- ISO 3744 – 3746
  (accuracy class 1-3)
- Test specified noise test standards
  (e.g. DIN EN ISO 2151)
- Individually aligned measurement conditions





Implementation:

Certified semi-anechoic chamber

- ISO 26101
- 50Hz lower limiting frequency
- 10,6 x 6,6 x 4 m (LxWxH)

Acoustics Studio

- 3 x 2 x 3,7 m (LxWxH)
- Lower limiting frequency about 500Hz

Müller BBM PAK MKII

- 48 up to 192 channels
- ICP/Charge/Tacho/CAN/Flexray
- Sampling rate up to 204,8kHz per channel

Sensor system

- ICP / Charge sensor technology:
  - ½ inch free field microphone
  - ¼ inch free field microphone
- Artificial head of Head Acoustics

Result:

- Further detailing and consultation of the testing issue according to customer specification
- Setup and standardized execution of the measurement
- Preparation of a standardized test report or test certificate according to custom content vote

Acoustic Testing

ARRK Engineering site
Preußenstraße 41
80809 Munich
Germany

Contact

Martin Leitenstorfer
Area Manager Acoustics
Mobile: +49 (0)176 / 31857 - 330
Email: martin.leitenstorfer@arrk-engineering.com