

Press release

May 22, 2025

gfai tech Webinar: The Acoustic Camera in Test Benches

gfai tech GmbH invites engineers, test bench managers and R&D professionals to join its new live webinar: “The Acoustic Camera in Test Benches”. The session will provide real-life insights into modern sound and vibration analysis technologies used in advanced test environments – from automotive development to gearbox testing and production lines.

Three hands-on use cases will be presented:

- **Pass-by testing at Mercedes-Benz:**
A custom-built microphone array with 864 channels simulates pass-by conditions according to legal noise requirements. The standout feature: Not only is the **maximum sound pressure** measured – but the **noise contribution of each component** (e.g. tires, engine, exhaust) is also visualized.
- **Gearbox testing at Flender:**
A large-diameter **Ring72 array** allows precise acoustic evaluation of gearboxes. With **order analysis**, the sound patterns are mapped and potential mechanical issues identified early.
- **Leak detection during production:**
The Acoustic Camera enables **real-time leak detection** in production lines – for example on radiators, tires or pressure systems. It ensures quality control without delay or disassembly.

Target Audience:

This webinar is tailored for professionals in automotive engineering, mechanical engineering, acoustics, test bench development, quality assurance, NVH, and end-of-line testing.

Date & Registration:

Date: Thursday, June 5, 2025

Times (UTC+2):

- 09:00 – English (Philip Hoehna)
- 14:00 – German (Carsten Hessenius)
- 16:00 – English (Philip Hoehna)

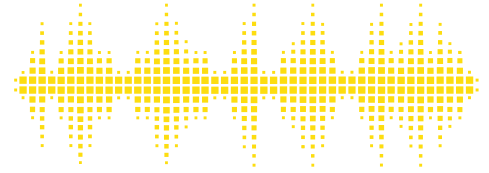
Online via Microsoft Teams

Participation is free of charge. Please, register [here](#).

About gfai tech

gfai tech GmbH is a German company specializing in innovative sound and vibration measurement and analysis solutions. We offer advanced Acoustic Cameras, comprehensive analysis software, and cutting-edge structural dynamics solutions. Our expertise spans





various industries, helping customers achieve noise reduction, false detection, sound design improvement, and precise vibration monitoring. As a subsidiary of GFal e.V., we provide unique hardware, software, and customized customer solutions backed by global support.

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High resolution images can be provided upon request.

