

Press release

Stuttgart, June 10, 2026

MAHLE and Rohde & Schwarz Develop Application for Sensor Testing of Modern Driver Assistance Systems

- The new platform consists of a calibration tool by MAHLE and a compact radar tester by Rohde & Schwarz
- Testing of radar and camera sensors including automatic alignment measurement
- New development targets workshops, manufacturers, and inspection organizations
- Also suitable for the static testing of ADAS sensors as part of the periodic technical inspection
- World premiere at TÜV MobiCon in June 2026 in Berlin

Technology groups MAHLE and Rohde & Schwarz have jointly developed a technical application that, for the first time, enables the reliable testing of sensors in modern Advanced Driver Assistance Systems (ADAS) following a repair. At the core of the new platform is the TechPRO® Digital ADAS 2.0 Extra calibration system from MAHLE Lifecycle and Mobility, extended by the R&S® RadEsT radar tester from Rohde & Schwarz — an established provider of high-precision electronic measurement and communications technology. Until now, standardized measurement procedures for testing ADAS sensors after accidents or repairs — particularly to body parts — have been lacking. MAHLE and Rohde & Schwarz are now closing this gap. The new development is suitable for a wide range of users, including auto repair shops, service centers, manufacturers, as well as insurance companies, authorities, and inspection organizations. Going forward, it can also be used for future static inspections of ADAS sensors as part of the periodic technical inspection. The joint innovation will be presented on June 11, 2026, at the TÜV MobiCon 2026 in Berlin.

"With this innovation, we are taking driver assistance systems to the next level. For the first time, their functionality after a repair becomes measurable, traceable, and standardizable. This is not only a technological advancement — it is a decisive step toward greater safety, transparency, and trust across the entire

mobility ecosystem," said Felix-Matthias Walter, Director Service Solutions at MAHLE Lifecycle and Mobility.

"This is a milestone for vehicle safety. Our radar measurement technology is already used worldwide in automotive development and production. Together with MAHLE, we are now bringing this level of measurement accuracy directly into the workshop," explained Matthias Beer, Director Imaging Sensor Products at Rohde & Schwarz.

The TechPRO® Digital ADAS 2.0 Extra calibration system from MAHLE uses integrated ultrasonic sensors to ensure precise vehicle positioning directly from the interior. Automatic vehicle identification, laser-based distance measurement, and motorized adjustment of the target systems enable an efficient calibration process. An optimized display lift system additionally guarantees precise alignment even for particularly tall vehicles.

The R&S® RadEsT radar tester from Rohde & Schwarz adds capabilities beyond those of pure calibration devices — such as frequency and polarization detection, power measurement, and target and angle simulation for radar sensors. With this feature, technicians can verify and identify the correct alignment and function of radar sensors following repairs or damage using the MAHLE TechPRO® 2 diagnostic tool.

The joint development covers several key application areas. Following repairs, it provides workshops with standardized and documented confirmation that the driver assistance system continues to operate within specification. It is also suited for quality and performance testing, since both correct and faulty system states can be deliberately simulated. Finally, the system generates reproducible and audit-proof measurement data that can serve as the basis for periodic technical inspection procedures, regulatory requirements, or insurance assessments in the future.

Note for editors: This press release and accompanying photo material are available in the MAHLE Newsroom at: <https://newsroom.mahle.com/press/en/>

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The new system from MAHLE and Rohde & Schwarz complements traditional calibration functions with frequency and polarization detection as well as target simulation. (1)



Felix-Matthias Walter, Director Service Solutions at MAHLE Lifecycle and Mobility (2)



Matthias Beer, Director Imaging Sensor Products at Rohde & Schwarz (3)

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About MAHLE Lifecycle and Mobility

MAHLE Lifecycle and Mobility, the spare parts and service business unit of the MAHLE Group, supplies partners in trade, workshops, engine repair shops, and e-commerce worldwide. The proven product range covers the entire product lifecycle of a vehicle along the MAHLE strategic fields of electrification, thermal management, and efficient, sustainable combustion engines. MAHLE Lifecycle and Mobility uses the expertise from original equipment series production. In addition, the MAHLE Service Solutions business segment develops products for workshop equipment, such as vehicle diagnostics, battery or air conditioning service, and offers technical support and individual training programs.

MAHLE Lifecycle and Mobility operates at 28 locations and additional sales offices in 23 countries with more than 2,000 employees. In 2025, the business unit generated a global sales volume of EUR 1.2 billion. (as at: 12/31/2025)

About MAHLE

MAHLE is a leading international development partner and supplier to the automotive industry with customers in both passenger car and commercial vehicle sectors. Founded in 1920, the technology group is working on the climate-neutral mobility of tomorrow, with a focus on the strategic areas of electrification and thermal management as well as further technologies to reduce carbon emissions, such as fuel cells or highly efficient, clean combustion engines that also run on synthetic fuels, renewable fuels or hydrogen.

MAHLE generated sales of €11.3 billion in 2025. Employing some 64,000 people at 127 production locations and 11 technology centers, the company is represented in 28 countries. (as at: 12/31/2025)

#weshapefuturemobility

About Rohde & Schwarz GmbH & Co. KG.

Rohde & Schwarz is striving for a safer and connected world with its Test & Measurement, Technology Systems and Networks & Cybersecurity Divisions. For over 90 years, the global technology group has pushed technical boundaries with developments in cutting-edge technologies. The company's leading-edge products and solutions empower industrial, regulatory and government customers to attain technological and digital sovereignty. The privately owned, Munich based company can act independently, long-term and sustainably. Rohde & Schwarz generated a net revenue of EUR 3.16 billion in the 2024/2025 fiscal year (July to June). On June 30, 2025, Rohde & Schwarz had more than 15,000 employees worldwide.