

## Press release

### **Finger touch instead of a breath test: AUMOVIO and trinamiX integrate blood alcohol measurement into the vehicle cockpit**

- **Non-invasive blood alcohol measurement directly integrated into the cockpit environment**
- **Measurement by finger touch: precise results within seconds**
- **Pavel Prouza, Head of the User Experience business area at AUMOVIO: “With our future-ready solution, we are enhancing road safety while maintaining the usual level of convenience”**

Babenhausen, Germany, April 23, 2026. AUMOVIO and trinamiX have developed a solution to improve road safety by measuring blood alcohol levels by placing a finger on a sensor – delivering precise results within seconds. The experience is intuitive and as easy to use as a fingerprint scan on a smartphone. The sensor system can be discreetly integrated into existing cockpit elements, maintaining a clean, unobtrusive interior design. By enabling blood alcohol measurement prior to driving, the technology can help improve road safety. At the same time, the installed hardware has been designed with the future in mind, allowing potential compliance with upcoming regulatory requirements.

“By integrating a blood alcohol measurement solution directly into the vehicle cockpit, we are clearly demonstrating how health and safety features can be seamlessly and discreetly incorporated into the vehicle interior while enhancing the user experience. With our future-ready solution, we are increasing road safety while maintaining the usual level of convenience,” explains Pavel Prouza, Head of the User Experience (UX) business area at AUMOVIO.

#### **High-tech in miniature form: near-infrared spectroscopy for blood alcohol measurement**

The system uses miniaturized near-infrared (NIR) spectroscopy technology developed by technology partner trinamiX GmbH to determine blood alcohol levels.

“When a fingertip is placed on the sensor, invisible light pulses are emitted into the tissue beneath the skin, where any ethanol molecules present can be detected. The characteristic reflection of the light is then analyzed using AI-based evaluation methods to precisely derive the alcohol content in the blood,” explains Dr. Wilfried Hermes, Director Consumer Electronics & Automotive EU & NA, trinamiX GmbH.

The technology has successfully demonstrated its functionality and performance in a clinical study registered with the German Clinical Trials Register (Deutsches Register Klinischer Studien – DRKS).

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### About AUMOVIO

In September 2025, AUMOVIO emerged as a spin-off from Continental's former Automotive group sector and has since established itself as an independent technology company. The company offers a broad portfolio for safe, exciting, connected and autonomous mobility, including sensor solutions, displays, brake and comfort systems as well as extensive expertise in software, architecture platforms and advanced driver assistance systems for software-defined vehicles. In fiscal year 2025, AUMOVIO generated sales of € 18.5 billion. Headquartered in Frankfurt am Main, AUMOVIO has around 82,000 employees at more than 80 locations worldwide.

### About trinamiX

trinamiX GmbH is an innovator in the field of biometrics, biomarker and material analysis, providing cutting-edge solutions based on biometric imaging and mobile NIR spectroscopy for a range of industries, including consumer electronics, automotive, agriculture and circular economy. Established in 2015 as a wholly owned subsidiary of BASF SE and headquartered in Ludwigshafen, Germany, trinamiX focuses on empowering humans and machines to capture data more effectively, facilitating enhanced understanding of the world around us. The company employs over 200 people worldwide and holds more than 800 patents and patent applications.