Elmos at the Sensor+Test 2025 in Nuremberg

Innovative IC solutions for automotive and industrial applications

Leverkusen, April 23, 2025: Elmos will be presenting smart IC solutions for cutting-edge applications in automotive and industrial electronics at Sensor+Test in Nuremberg (Hall 1, Booth 207) from May 6 to 8, 2025. The focus is on intelligent chips for ultrasonic distance measurement, pressure and force sensing.

With its innovative analog mixed signal ICs, Elmos supports global megatrends – from autonomous driving and electromobility to software-defined vehicles. The products make vehicles safer, more efficient and more comfortable and at the same time open up new possibilities in industrial applications.

Ultrasound for precise distance measurements
Elmos demonstrates advanced ultrasonic ICs that enable highly precise and reliable object detection and distance measurement – regardless of external factors such as lighting conditions, material or ground conditions. For industrial purposes, Elmos ultrasonic ICs enable precise flow measurements in smart metering applications, for example, and thus increase machine efficiency.

Pressure sensing for more safety
For innovative automotive applications such as brake-by-wire systems, Elmos offers customized pressure/force sensor ICs that enable even more precise control and faster reaction times when braking. This leads to improved driving safety and better adaptation of braking behavior compared to conventional systems, thereby increasing road safety. In industrial applications, these semiconductor solutions increase efficiency and safety, for example in pressure sensors for hydraulic and pneumatic systems, in level measurement in tanks and in pressure measurement in heat pumps and washing machines.

Motor control for electromobility
With innovative solutions for electromobility and modern motor control, Elmos presents products that respond to the increasing demand for efficient and safe systems for the automotive sector. Elmos Motor Control ICs ensure a safe and convenient charging process for electric vehicles by automatically controlling the charging flaps.

Wide range of applications - from automotive to medical technology
Elmos sensor ICs are used in numerous industries:

- **Automotive:** high and low pressure measurements, brake pressure monitoring in hydraulic and electric brake systems, pressure and temperature measurement in battery and air conditioning systems
- **Industry:** pressure sensors for hydraulics and pneumatics, level measurement in tanks, pressure measurement in heat pumps and washing machines
- **Medical:** blood pressure monitors, ventilators and dialysis systems
- **Consumer:** torque screwdrivers, barometric pressure sensors in drones and weather stations

Further information about Elmos products will also be presented in a virtual showroom:
Virtual Booth - Elmos Semiconductor SE

Technical article on Elmos sensor ICs (in German only):
Precise sensor technology for automotive and industrial applications with sensor ICs from Elmos

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About Elmos
Elmos has been developing intelligent microchip solutions for over 40 years, primarily for the automotive industry. As a fabless company and specialist for analog mixed-signal ICs, Elmos makes the mobility of the future safer, more comfortable and more efficient. The innovative products of Elmos enable reliable driver assistance systems, intelligent sensors, efficient motors and new LED lighting concepts in modern vehicles. As a market leader in cutting-edge applications, Elmos is powering global megatrends such as autonomous driving, electromobility and software-defined vehicles.

Note
This release contains forward-looking statements that are based on assumptions and estimates made by the Elmos management. Even though we assume the underlying expectations of the forward-looking statements to be realistic, we cannot guarantee the expectations will prove right. The assumptions may carry risks and uncertainties, and as a result actual events may differ materially from the forward-looking statements. Among the factors that could cause such differences are changes in general economic and business conditions, fluctuations of exchange rates and interest rates, the introduction of competing products, lack of acceptance of new products, and changes in business strategy. Elmos neither intends nor assumes any obligation to update its statements with respect to future events.