

Lippstadt (Germany)

**14 August 2025**

## **Steering technology of the future: third series launch for steer-by-wire steering sensors this year**

- As one of the first suppliers in the market, FORVIA HELLA is bringing steering sensors for by-wire applications into series production.
- Already three series launches with premium manufacturers in Germany and China in 2025
- Steering sensors detect the torque and angle of the steering wheel and transmit signals purely electrically to the steering control unit.

The international automotive supplier FORVIA HELLA has started series production with the latest generation of steering sensor technology for another renowned Chinese automotive manufacturer—a key technology for fully electric steer-by-wire systems. At the beginning of the year, the first two series projects for steer-by-wire steering sensors were successfully launched with premium manufacturers in Germany and China. Development and series production takes place within FORVIA HELLA's electronics production network in Germany and China.

In steer-by-wire systems, steering commands are transmitted purely electrically, without the use of mechanical or hydraulic connections between the steering wheel and the front axle. In such a steering system, FORVIA HELLA's steering sensors precisely and reliably detect the torque and angle of the steering wheel and transmit this information as a purely electrical signal. As previously required hardware components, such as the steering column, are no longer needed, steer-by-wire systems allow for steering settings to be adapted to specific situations or customer preferences. In addition, flexible design concepts for the engine compartment and vehicle interior can be realized, enabling innovative cockpit designs, cost advantages through modularization and reduction of variants, as well as increased crash safety.

### FOR MORE INFORMATION, PLEASE CONTACT

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"With the recent series launches, we are consistently advancing the development of fully electric steering systems and addressing a key topic for the future," says Jörg Weisgerber, Managing Director Electronics at FORVIA HELLA. "The positive feedback from our customers in Germany and in the important growth market of China underscores our strong capabilities to manufacture technologically sophisticated products in high volumes and at optimized costs—without compromising on quality and reliability."

FORVIA HELLA has been active in the steering sensor market since 2007 and is building on an already strong market position. The technological focus of the now fifth product generation, which for the first time implements steer-by-wire functionalities, is especially on the redundant and at the same time cost-efficient architecture of the sensor to meet the highest safety requirements.

**Note:** This text and suitable images can also be found in our press database at: [www.hella.com/press](http://www.hella.com/press)

## ABOUT FORVIA HELLA

FORVIA HELLA is a listed international automotive supplier. As a company of the FORVIA Group, FORVIA HELLA stands for high-performance lighting technology and vehicle electronics and, with the Lifecycle Solutions Business Group, also covers a broad service and product portfolio for the spare parts and workshop business as well as for manufacturers of special vehicles. With currently around 35,000 employees at over 125 locations, the company is active worldwide and generated adjusted sales of €8.1 billion in the fiscal year 2024. [www.hella.com](http://www.hella.com)

## ABOUT FORVIA

FORVIA, a global automotive technology supplier, comprises the complementary technology and industrial strengths of Faurecia and HELLA. With over 150,000 people, including more than 15,000 R&D engineers across 40+ countries, FORVIA provides a unique and comprehensive approach to the automotive challenges of today and tomorrow. Composed of 6 business groups and a strong IP portfolio of over 13,000 patents, FORVIA is focused on becoming the preferred innovation and integration partner for OEMs worldwide. In 2024, the Group achieved consolidated sales of €27 billion. FORVIA SE is listed on the Euronext Paris market under the FRVIA mnemonic code and is a component of the CAC SBT 1.5° indice. FORVIA aims to be a change maker committed to foreseeing and making the mobility transformation happen. [www.forvia.com](http://www.forvia.com)