

PRESS RELEASE

IAA MOBILITY 2023

ElringKlinger demonstrates expertise as a full-service provider for electric mobility

- New high-performance battery module for vehicles with high power requirements
- Functional latest-generation cell contact system
- Innovative underbody protection made of glass-fiber reinforced polypropylene
- Fuel cell stack platforms with compact design and high performance

Munich, Dettingen/Erms, 04. September 2023 +++ ElringKlinger will be presenting its broad portfolio of electric mobility products at IAA MOBILITY from 5 to 8 September 2023 in Munich, underlining its early focus on battery and fuel cell technology with the slogan "#transformationpioneer". Visitors can see the innovations for themselves on the ElringKlinger stand in Hall B3, Stand D20.

The 250 square meter stand will show off ElringKlinger's wide range of electric mobility products. The focus will be on the wide-ranging expertise in **battery technology**. ElringKlinger has been developing and producing systems, modules and components for lithium-ion batteries for various hybrid and battery electric vehicle models for over a decade.

Systems, modules and components – Focus on battery technology

At IAA Mobility 2023, the company will be showcasing the "EKp" **high-performance battery module**, which has been specially developed for high powered vehicles and is ideal for use in the sports car segment, for example. Immersion cooling enables high electrical power at constant temperature without any loss of power. This allows system voltages of up to 1,000 V and system power of more than 1MW (1,000 kW) with series connection. The dedicated module can be positioned in the chassis without additional reinforcement and meets the highest safety requirements currently in force in the automotive industry.

Another highlight from the field of battery technology is a latest generation **cell contact system**, which combines ElringKlinger's core competencies in a single product: Plastic injection molding, stamping and assembly. They are placed on the cell network, welded on and take over the current flow. In addition to the functional tasks of the voltage pick-up, it also includes voltage and temperature sensors and thus impressively facilitates a high level of integration. ElringKlinger produces cell contact systems to customer requirements and recently announced a large-scale contract with the BMW Group contract for its NEW CLASS.

In addition to the necessary production capacities, ElringKlinger also has the appropriate development and testing expertise for individual components, modules and complete systems. Visitors to IAA Mobility 2023 can discover the entire product range for themselves.

Efficient **lightweight solutions** that optimize the vehicle weight also play an important role in vehicles with alternative drive technologies. Batteries in electric vehicles must be specially protected to prevent fires. ElringKlinger has therefore developed "ElroSafe", an **underbody protection** system made of glass-fiber reinforced polypropylene. The component is notable for its exceptionally high thermal resistance and excellent robustness, and therefore offers outstanding protection against high-speed shocks. In addition, numerous functions such as local attachment points, screening of electrical devices (EMC) and complex crash structures can be integrated into the product.

Fuel cell stack modules with impressively high performance and a compact design

The fuel cell joint venture EKPO Fuel Cell Technologies has established itself in the market and has already succeeded in acquiring various orders for components such as bipolar plates and stack mouldles. EKPO has industrialization expertise and the necessary capacities for large-scale production - fully audited and in proven automotive quality. At IAA Mobility 2023, EKPO will be presenting its **stack modules "NM12 Single"** and **"NM12 Twin"** and gives a preview of the next-generation stack platform **"NM20"**, which delivers maximum performance with minimal installation space and low weight.

Optimized product solutions in **electric drive units, sealing and shielding technology** round off the trade fair exhibits.

"ElringKlinger focused on electric mobility at an early stage and is successfully making the transformation a reality. We are delighted that at IAA Mobility 2023 we will be able to show our visitors so many new and innovative products that underline this approach. With its knowledge of materials and processes, ElringKlinger is consistently focused on revolutionizing mobility," says Thomas Jessulat, Chairman of ElringKlinger AG.

ElringKlinger at IAA Mobility 2023

Hall B3 | Stand D20

Press conference

Monday, 4 September 2023 | 3.20 pm on the ElringKlinger stand

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About ElringKlinger AG

As an independent global supplier, ElringKlinger is a strong and reliable partner to the automotive industry. No matter whether it is for passenger cars or commercial vehicles, combustion engines, hybrid technology or purely electric vehicles - we offer innovative product solutions for all types of drive and thus contribute to sustainable mobility. Our lightweight design concepts reduce the weight of the vehicle, which reduces fuel consumption and CO₂ emissions for combustion engines and increases the range with alternative drives. With pioneering battery and fuel cell technology and electric drive units, we positioned ourselves as a specialist in electric mobility at an early stage. We are continuously developing our sealing technology for a wide range of applications. Our shielding systems ensure optimum temperature and acoustic management throughout the vehicle. Dynamic precision parts from ElringKlinger can be used in all drive types. Engineering services, tool technology and products made of high-performance plastics - including for sectors outside the automotive industry - round off the portfolio. A total of around 9,500 employees work for the ElringKlinger Group at 45 locations worldwide.