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Press and IR Release

Schaeffler and CATL deepen collaboration on Battery Management Systems and Integrated PowerBox Solutions

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- Schaeffler and CATL sign memorandum of understanding (MoU) for the joint development of Battery Management Systems (BMS) and "X-in-1" Integrated PowerBox (IPB) solutions
- The collaboration builds on an already secured customer project and addresses the growing demand for innovative electrification solutions in the European market
- Both companies are pursuing a long-term partnership to strengthen their competitiveness in Europe in particular and jointly unlock further international market opportunities

The Motion Technology Company Schaeffler and CATL, a global leader in zero-carbon new energy technology have signed a MoU in the field of e-mobility.

The agreement builds on an already secured customer project and covers the joint development of automotive Battery Management Systems (BMS) as well as "X-in-1" IPB solutions. Through this collaboration, both companies are expanding their strategic partnership and combining their technological and industrial strengths to advance innovative electrification solutions for the European market and beyond.

Joint development of BMS and IPB solutions

The partnership focuses on two strategic technology areas. First, Schaeffler and CATL intend to jointly develop BMS solutions tailored to the specific requirements of European automotive manufacturers. Second, the partners plan to develop "X-in-1" IPB solutions that enable the close integration of high-voltage electronics and electromechanical systems.

By combining their complementary strengths, the two companies are creating the foundation for high-performance, highly integrated and competitive electrification solutions.

Schaeffler offers comprehensive expertise across the entire BMS value chain, covering hardware and software development, system integration, functional safety, testing and validation, as well as localized series production in Europe. CATL contributes its extensive expertise in cell producing technology, battery system development, and high volume industrialization. The capabilities of both

companies complement each other ideally and provide a strong foundation for a long-term collaboration in the European battery electrification market.

“Thanks to our established footprint in Europe, Schaeffler offers extensive expertise in local R&D, manufacturing, market entry and regulatory compliance, enabling us to deliver end-to-end support for project rollouts,” says Thomas Stierle, CEO E-Mobility at Schaeffler AG. “Through our partnership with CATL, we aim to build a competitive product portfolio for the European market and beyond, delivering long-term value to global OEMs and Chinese automakers expanding overseas.”

Industrial synergies driving Europe’s electrification

As electrification continues to advance across Europe and regional supply chains continue to be reshaped, demand is growing for highly integrated e-mobility solutions that meet the highest standards of performance, safety and efficiency. In this environment, close collaboration across the industrial value chain is becoming increasingly important. It is a key lever for bringing new energy technologies into mass productions more quickly and accelerating their broader market adoption.

Dr. Bruce Li, Executive President of Quality Systems at CATL, states: “We are pleased to enter into this strategic partnership with Schaeffler. As a leading lithium-ion battery manufacturer, CATL has long been committed to cell producing technology and has strong capabilities in product definition, battery system design and core battery algorithms. With a strong presence across Europe and extensive operational experience, we have gained deep insight into local customer needs and regional industry standards. This cooperation is based on our complementary strengths in battery management systems. We share identical strategic directions and a common vision for industry development. Going forward, we will co-develop BMS and ‘X-in-1’ integrated PowerBox solutions designed for the European market and further explore applications of cutting-edge technologies including cloud computing and artificial intelligence in battery management scenarios. Together with Schaeffler, CATL will advance the high-quality development of Europe’s new-energy automobile industry and contribute to sustainable mobility worldwide.”

You can find photos of the Executive Board members here:
www.schaeffler.com/en/group/executive-board/

Forward-looking statements and projections
Certain statements in this press release are forward-looking statements. By their nature, forward-looking statements involve a number of risks, uncertainties and assumptions

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In the front (from left to right): Dr. Xiangbin Chen, President E-Mobility of Schaeffler Greater China and Mr. Oscar Luo, Executive President and Head of Global Business Development at CATL. In the back (from left to right), Thomas Stierle, CEO E-Mobility at Schaeffler AG and Dr. Bruce Li, Executive President of Quality Systems at CATL. (Photo: CATL)

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