

Press Release

Marelli and RWTH Aachen University to cooperate on e-mobility technologies

- Marelli and Chair “Production Engineering of E-Mobility Components” (PEM) will collaborate on technologies for electric vehicles and related production technologies
- Both partners are electrification pioneers with profound expertise

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Marelli, a leading global automotive supplier, and RWTH Aachen University, one of the leading German technical universities, have signed a framework agreement for collaboration in the area of e-mobility. The partnership between Marelli and the university’s Chair “Production Engineering of E-Mobility Components” (PEM) will be focused on new technologies for electric vehicles as well as related production technologies.

“With this new cooperation, two pioneers of vehicle electrification are joining forces,” said Joachim Fetzer, Chief Technology and Innovation Officer of Marelli. “While RWTH’s PEM chair is known for its profound expertise in this field, Marelli has a unique offering as a full system provider for electric powertrains which is complemented by our thermal and battery management solutions.”

“It takes strong networks and a pioneering spirit to drive great innovation,” said Professor Achim Kampker, founder of PEM and Head of Institute. “We are pleased to have gained an excellent partner to push the electric drive forward.”

Marelli has launched a new plant for electric vehicle motors in Cologne, Germany, in the first half of the current year. For this, the company has already worked with the experts from nearby Aachen. Within their new framework agreement, Marelli and PEM plan to collaborate on specific research projects like increasing the permanent performance of electric motors as well as the development of a new electric motor and its production in a so-called scale-up factory.

As PEM has a leading role in the German research production of battery cells in Münster, a collaboration on energy and battery management for electric vehicles is also targeted. Marelli has long-term experience in this area as a leading supplier of thermal management solutions.



About Marelli

MARELLI is one of the world's leading global independent suppliers to the automotive sector. With a strong and established track record in innovation and manufacturing excellence, our mission is to transform the future of mobility through working with customers and partners to create a safer, greener and better-connected world. With around 58,000 employees worldwide, the MARELLI footprint includes 170 facilities and R&D centers across Asia, the Americas, Europe, and Africa, generating revenues of 1,266 Billion JPY (10.4 Billion EUR) in 2020.

About PEM

The chair "Production Engineering of E-Mobility Components" (PEM) at RWTH Aachen University was founded in 2014 by Professor Achim Kampker. In the German-Dutch industrial park Avantis and at the electromobility laboratory "eLab" on RWTH Aachen Campus, 60 scientists, 27 non-scientific employees and 80 student assistants are currently employed on approximately 700 square meters of office space and 2,000 square meters of production space. Six groups are conducting research on the production and sustainability of batteries, electric motors, fuel cells and entire vehicle concepts. PEM's goal is a regional, seamless "innovation chain" that covers the whole process from the initial idea to large-scale production.