



Press Release

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**Marelli wins a global contract to supply
Battery Management Systems for electric vehicles to a major carmaker**

The system, a key technology for energy management in electric vehicles, will be developed and produced in-house by Marelli to be on the market in 2026

Marelli has been awarded an important contract to supply its Battery Management System (BMS) – a core component of electric vehicles design, also regarded as the “brain” of the battery – for the future BEV (Battery Electric Vehicles) small-medium cars of a major global carmaker, from 2026.

Within the project, Marelli will provide both the hardware and the boot loader software of the Battery Management System for segment A, B, and C full electric vehicles. The supply represents a significant achievement in terms of production volumes.

“We are glad of this relevant assignment, particularly as this is for a technology which has a key role for energy management in electric vehicles.” said **Hannes Prenn, President of Marelli’s Electric Powertrain division**. *“This further reinforces our collaboration with global carmakers and recognizes the consolidated experience achieved by Marelli over the years in the development of BMS with different architectures, to fit the specific needs of our customers and co-create with them the vehicles of tomorrow.”*

The awarded Battery Management System will be developed and tested by Marelli Electric Powertrain teams in Italy and Japan. The start of production is planned for 2026, supplying various plants of the carmaker.

The BMS will be based on a distributed architecture, requiring reduced harness. The system – which in brief has the role to monitor and control the battery – incorporates all the lithium battery cell related hardware on a Cell Module Controller (CMC), that is placed directly on the cell module that is being monitored. This solution alleviates the bulk of the cabling, which are limited to a few sensor wires and communication wires between adjacent CMC modules. Consequently, each CMC is more self-contained, and handles measurements and communications as required.

Within its main tasks, the Battery Management System manages the stored power and the capacity of the battery to deliver energy to the vehicle, while checking and delivering information on the battery



operating conditions and status, ensuring as well the monitoring, optimization and protection of the battery, all of which are fundamental functions in an electric vehicle.

Leveraging established capabilities in the development of BMS and all other key technologies for electrification – including e-motors, power electronics, integrated e-axles systems – coupled with an extensive know-how in thermal design, Marelli's technological portfolio offers a complete range of solutions to control, manage and optimise the energy balance in electric vehicles.

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 50,000 employees worldwide, the Marelli footprint includes 170 facilities and R&D centres across Asia, the Americas, Europe, and Africa, generating revenues of 1,380 billion JPY (10.6 billion EUR) in 2021.