

Press release

Stuttgart, September 10, 2026

MAHLE ensures efficient cooling on the rail

- MAHLE demonstrates thermal management systems for all drive technologies in rail transport at InnoTrans 2026
- Battery thermal management system increases the performance and service life of high-performance batteries in locomotives
- Combined cooling system for electric multiple units combines the cooling of several vehicle systems in one compact unit
- MAHLE is global systems supplier for complex traction cooling systems and market leader in Europe

Whether diesel, battery, hybrid, electric, or hydrogen: MAHLE will present thermal management solutions for all drive technologies in rail transport at the world's largest international trade fair for railway and transport technology "InnoTrans" in Berlin. The focus of the trade fair will be a battery thermal management system (BTMS) for locomotives. It ensures the precise temperature control of modern high-performance batteries in electric locomotives and is therefore an essential factor for their performance, service life and safety even under demanding environmental conditions. MAHLE also shows a compact combined cooling system for electric multiple units (Electric Multiple Unit – EMU). It cools several vehicle systems, including traction motors and transformers. High energy efficiency, low weight, and high reliability make the combined cooling system an economical and sustainable solution for rail operations. MAHLE is a global systems supplier for complex traction cooling systems on high-speed trains and market leader in Europe. The MAHLE stand is located in Hall 18, Stand 460.

„The transformation of rail transport presents manufacturers and operators with new demands for efficiency, range and reliability. With our thermal management solutions, we support this development and accompany our customers throughout the entire life cycle of their vehicles – from development to maintenance, modernization and servicing of existing fleets“, said Christian Kuechlin, Vice President MAHLE Industrial and Special Solutions.

In addition to the BTMS and the combined cooling system for electric multiple units, MAHLE is also showing fin/tube coolers and customized cooling plates for

high-performance applications at Innotrans. These include, for example, traction converters as a central element of power control of electric drives and battery systems of electric rail vehicles. These applications place particularly high demands on cooling, as reliable temperature control is essential for the performance, safety and service life of the systems.

MAHLE strategically advances business outside the classic automotive industry. Rail transport is an essential growth area. With rail cooling plant manufacturing sites on three continents, the Group is leveraging its global presence to scale industrial skills for markets beyond road mobility. MAHLE has recently consolidated its activities outside the automotive industry in the Industrial and Special Solutions division. Through the close integration of sales, development and operational functions, MAHLE accelerates the development of tailor-made solutions.

Note for editors: This press release and the accompanying photo material can be found at <https://newsroom.mahle.com/press/en/>.

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The MAHLE battery thermal management system (BTMS) installed in the roof area keeps the temperature of the traction battery in rail vehicles constant even under extreme environmental conditions.



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Christian Kuechlin, Vice President MAHLE Industrial and Special Solutions

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About MAHLE

MAHLE is a leading international development partner and supplier to the automotive industry with customers in both passenger car and commercial vehicle sectors. Founded in 1920, the technology group is working on the climate-neutral mobility of tomorrow, with a focus on the strategic areas of electrification and thermal management as well as further technologies to reduce carbon emissions, such as fuel cells or highly efficient, clean combustion engines that also run on synthetic fuels, renewable fuels or hydrogen.

MAHLE generated sales of €11.3 billion in 2025. Employing some 64,000 people at 127 production locations and 11 technology centers, the company is represented in 28 countries. (as at: 12/31/2025)

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