

# Press release

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Stuttgart, April 12, 2024

## MAHLE successful with major orders for thermal management modules

- One of the contracts is the largest individual order in MAHLE company history
- Another is from an up-and-coming, innovative car manufacturer in the Asian region
- The total order volume for both projects is just under €1.5 billion
- MAHLE thermal management modules play a key role in increasing the cruising range and charging speed of electric vehicles
- As a driver of electrification, thermal management is a strategic business focus for the MAHLE Group

**MAHLE has secured two major orders for thermal management modules and is thus successfully continuing its course of acquisition in the field of e-mobility. One of the contracts is from an established, globally-present vehicle manufacturer. It marks the largest single order in the company history of the technology group. The second order is from an up-and-coming, innovative car manufacturer in the Asian region. The total order volume across both projects is just under €1.5 billion. MAHLE is combining components that were previously installed individually into thermal management modules which control the temperature of the battery, vehicle cabin, powertrain and power electronics. The modules work much more efficiently than their individual components, and can significantly increase the cruising range of an electric car by up to 20 percent as well as its charging speed. The modular design approach from MAHLE enables smaller installation spaces and drastically reduces assembly expenditures. In this way, thermal management modules play a key role in e-mobility, by helping to make vehicles attractive and affordable. As a driver of electrification, thermal management is a strategic business focus for the MAHLE Group.**



Powerhouse: The thermal management module from MAHLE reduces installation space and costs. It works much more efficiently and can increase the cruising range of an electric car by up to 20 percent.

“Our deep understanding of the system, coupled with years of experience in series production were decisive for securing both appointments. This successfully sets MAHLE apart from the competition,” said Jumana Al-Sibai, member of the Management Board of the MAHLE Group and responsible for the Thermal Management business unit. “By being able to look at thermal systems in vehicles as a whole, we can develop innovative, tailor-made concepts for our customers.”

In both modules, MAHLE has combined its individual components such as the electric compressor, heat exchanger, refrigerant valves and other parts into one unit, and has impressed customers with the respective concepts. One of the modules is particularly highly-integrated, as it connects the refrigerant circuit with the coolant circuits. This ensures that the battery, powertrain and vehicle cabin are both supplied with sufficient heat in winter as well as kept optimally-cool in summer.

Both thermal management modules were developed by an international team comprised of regional research units and the MAHLE Tech Center in Stuttgart.

Heating and cooling in vehicles is an essential technology field for electrification and a core business competency of MAHLE. The sales potential for thermal management in e-cars is three times higher than for combustion engine vehicles. The market for these technologies is growing significantly thanks to e-mobility. From a global market volume of around €35 billion for thermal management products in 2021, MAHLE expects this market volume to reach more than €50 billion by 2030. The Group intends to participate disproportionately in this growth. The company recently presented a new bionic cooling plate which, thanks to its innovative design, delivers 10 percent greater cooling capacity than conventional concepts.

This press release and accompanying photo material are available in the MAHLE Newsroom at: <https://newsroom.mahle.com/press/en/>

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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 e-mobility and thermal management as well as further technologies to reduce CO2 emissions, such as fuel cells or highly efficient, clean combustion engines that also run on synthetic fuels or hydrogen. Today, one in every two vehicles globally is equipped with MAHLE components.

MAHLE generated sales of more than EUR 12 billion in 2022. The company is represented with around 72,000 employees at 152 production locations and 12 major research and development centers in 30 countries. (Last revised: 12.31.2022)

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