Press release

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MAHLE Global Biomobility Center in Brazil Successfully Completes Its First Year

- Established partner for industry and science
- Knowledge and partner network on biofuels and biomaterials in South America used to support the development of sustainable mobility worldwide
- Eight projects initiated in partnership with customers and research institutes
- International knowledge transfer started
- MAHLE CEO Arnd Franz: “Sustainable fuels need to be scaled up rapidly and globally to slow global warming”
- MAHLE strongly believes in technological diversity

MAHLE is celebrating the first anniversary of its Global Biomobility Center, located at its Tech Center in Jundiaí (São Paulo), Brazil. Recognizing the importance of biofuels and biomaterial for future mobility, MAHLE had launched the initiative to use its knowledge and partner network in South America to support development worldwide. In its first year, the center initiated eight development projects in partnership with customers and research institutes. In addition, the Global Biomobility Center has taken up the role of monitoring trends and government actions regarding the adoption of biofuels globally, starting knowledge transfer to North America and Asia. “Sustainable fuels need to be scaled up rapidly and globally to slow global warming,” said Arnd Franz, Chairman of the Group Management Board and CEO of MAHLE. The group strongly believes in technological diversity, using all the levers available to achieve rapid, effective decarbonization of the mobility sector.

“MAHLE is strongly promoting an increase in biofuel blending to match the shares reached in Brazil or India across the world. By 2030, more than 20 percent of global fuel consumption must come from renewable resources to meet zero emission targets. The MAHLE Biomobility Center is working with governments, regulators and industry players in India, Thailand, Japan and other countries to reach this goal,” said Arnd Franz.

“The Global Biomobility Center was created with the mission of being MAHLE’s global competence center in Research & Development (R&D) for the development and application of biofuels and biomaterials, enabling their use on a

larger scale throughout the world, supporting global decarbonization," said Everton Lopes, Head of the MAHLE Technology Center in Brazil and responsible for the Global Biomobility Center.

Along with electrification and thermal management, highly efficient and sustainable internal combustion engines are a key MAHLE strategy field. Operated with renewable fuels such as hydrogen, synthetic fuels or biofuels, internal combustion engines have the potential to make a significant contribution to climate protection.

During this first year, projects on various topics have been started at the group's Global Biomobility Center. The project range includes for example the development of a cellulosic filter medium and activated carbon from biomass, the development of an Ethanol Power Cell Unit (PCU) aiming to increase the efficiency of flex-fuel engines using ethanol as well as the development of a multifuel medium duty engine running on biomethane and ethanol. Also, the impact of using advanced biodiesel on the performance, durability, and emissions of heavy duty engines has been assessed.

Among these projects, 50 percent are developed in partnership with Brazilian research institutes and funded by government programs such as MOVER (Green Mobility and Innovation Program), Embrapii (Brazilian Agency for Research and Industrial Innovation), and FAPEMIG (Minas Gerais State Agency for Research and Development). Projects are being developed directly in partnership with OEMs, automotive suppliers and companies in the energy sector. Apart from developing sustainable technologies, the Global Biomobility Center initiates technical dialogs at the international level.

Biofuels are at the heart of Brazil's decarbonization strategy. The country is a global pioneer in biofuel production and deployment, successfully combining mandates, financial incentives, and sustainability requirements to expand the supply of biofuels. Along with biofuels, biomaterials (or renewable materials) have considerable potential for replacing fossil products and reducing the carbon footprint of automotive parts.

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

MAHLE Global Biomobility Center in Jundiaí (São Paulo), Brazil

Everton Lopes, Head of MAHLE Technology Center in Brazil and responsible for the Global Biomobility Center.

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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 renewable fuels, such as hydrogen. Today, one in every two vehicles globally is equipped with MAHLE components.

MAHLE generated sales of €11.7 billion in 2024. Employing just under 68,000 people at 135 production locations and 11 technology centers, the company is represented in 28 countries. (as at: 12/31/2024)

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