

Press release

Stuttgart/Germany, 14. September 2022

cellcentric and MAHLE cooperate in the supply of fuel cell components

- Memorandum of Understanding signed for the development and series production of the flat membrane humidifier system component
- The component increases the durability of fuel cells and will be used in commercial vehicles as well as other applications

cellcentric, the 50:50 fuel cell joint venture of Daimler Truck AG and Volvo Group AB, and the technology group MAHLE have signed a letter of intent to cooperate in the field of fuel cell technology for use in heavy-duty commercial vehicles as well as for other applications with comparable requirements. The cooperation focuses on the development and series production of the system component flat membrane humidifier. Among other things, the innovation improves the durability of the fuel cell and thus ensures a longer service life. The flat membrane humidifier is to be used both in fuel cell systems for commercial vehicles and in stationary systems, such as emergency power generators.

"cellcentric has the intention to become a world leading manufacturer of fuel cells. Our fuel cell is explicitly designed for use in heavy trucks. Accordingly, it meets the high quality requirements of the automotive industry and the relevant standards. With MAHLE, we have a partner at our side that has decades of experience as an automotive supplier as well as broad expertise in fuel cell peripherals," emphasizes cellcentric CEO, Matthias Jurytko.

"We are pleased that cellcentric has chosen MAHLE technology," said Martin Wellhöffer, Corporate Executive Vice President Sales & Application Engineering at the MAHLE Group. "The agreement reached between MAHLE and cellcentric represents a valuable step towards a joint strategic future in the development of zero-emission powertrains."

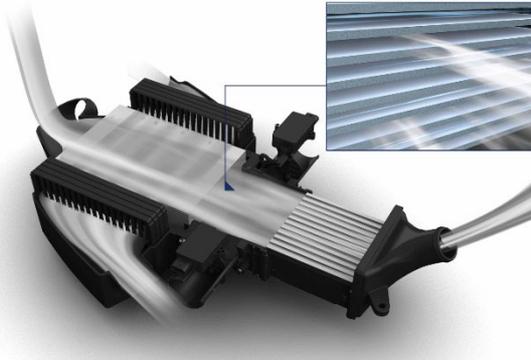
"The agreement is a vote of confidence in MAHLE's technological expertise. The fuel cell is an important pillar of our Group strategy as part of our technology-open approach to designing climate-neutral mobility," explained

Martin Weidlich, Member of the MAHLE Management Board and responsible for the Filtration and Engine Peripherals business unit.

The flat membrane humidifier from MAHLE takes on a supporting role in the fuel cell system. In order to work as effectively and efficiently as possible, fuel cells must be supplied with sufficient fresh air and humidity. To ensure the correct moisture content in the fuel cell, conventional humidifiers use small hollow membrane fibers. MAHLE instead uses very thin membranes that are stacked in layers in the humidifier, thereby ensuring effective humidification of the fuel cells. The higher the humidity in the fuel cell, the more efficiently it works and the longer its service life.

MAHLE is a systems supplier for sustainable transportation and focuses on the overall system of powertrain and thermal management. In doing so, the technology group addresses precisely those topics that are particularly important for future emission-free mobility: Range, performance, total cost of ownership, and cabin comfort. At the same time, MAHLE is driving forward the development of fuel cells and has broad expertise in fuel cell peripherals.

cellcentric develops, produces and markets fuel cell systems for use in heavy-duty commercial vehicles as its main focus, as well as for other areas of application with comparable requirements. The company leverages the know-how and extensive experience gained from several decades of development work on fuel cells by its predecessor companies and pursues the goal of becoming a leading global manufacturer of fuel cells.



cellcentric CEO Dr. Matthias Jurytko (left) and MAHLE Corporate Executive Vice President Sales & Application Engineering Martin Wellhöffer have signed a memorandum of understanding for cooperation in the field of fuel cell technology for industrial and commercial vehicle applications.

The special feature of the MAHLE flat membranes humidifier: Very thin membranes are stacked in layers and thus ensure overall effective humidification of the fuel cells

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About cellcentric

cellcentric develops, produces and markets fuel cell systems for use in heavy-duty commercial vehicles as its main focus, as well as for other applications outside vehicles. cellcentric is a joint venture of Daimler Truck AG and the Volvo Group, founded in 2021. The company leverages the know-how and extensive experience from several decades of development work on fuel cells at its predecessor companies. cellcentric's goal is to become a leading global manufacturer of fuel cells and thus contribute to climate-neutral and sustainable transportation by 2050. More than 350 highly qualified employees are driving our state-of-the-art fuel cell technology forward. They work in interdisciplinary teams at sites in Nabern, Untertürkheim, Esslingen (Germany) and Burnaby (Canada). Around 700 individual patents have been granted, underlining the company's leading role in technological development.

About MAHLE

MAHLE is a leading international development partner and supplier to the automotive industry with customers in both the passenger car and commercial vehicle sectors. The technology group, founded in 1920, is working on the climate-neutral mobility of tomorrow with a focus on the strategic fields of electromobility and thermal management as well as other technology fields for reducing CO₂ emissions, for example fuel cells or highly efficient combustion engines powered by e-fuels or hydrogen. MAHLE already generates over 60 percent of its sales independently of the passenger car combustion engine. By 2030, this share is expected to increase to 75 percent. Today, every second vehicle worldwide is equipped with MAHLE components.

MAHLE generated sales of around EUR 11 billion in 2021. The company is represented in more than 30 countries with over 71,000 employees at 160 production locations and 12 major research and development centers. (as of Dec. 31, 2021)

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