



Clean and quiet: MAN electric truck for Friedrich Wenner GmbH

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Friedrich Wenner Versmolder Vollpappen-Verarbeitungswerk GmbH, a company with a long tradition, takes one of the first all-electric MAN eTGMs into regular transport operation. In future, the 264 kW (360 hp) 26-tonne truck with box body will transport preliminary and finished products of cardboard production quietly and emission-free. Friedrich Wenner GmbH is producing its own electricity for the electric truck with its own photovoltaic system.

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- **Friedrich Wenner GmbH opts for electric trucks from MAN**
- **MAN eTGM complements holistic ecological approach of the Versmold-based carton specialist**
- **Photovoltaic system supplies electricity for MAN electric trucks**

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On May 6, 2020, Managing Director Stephan Potthoff-Wenner accepted the keys to the innovative new addition from Sales Manager Ferdinand Zeh and Sales Advisor Till Kortekamp, both from the MAN sales office in Bielefeld. "With this electric truck we are once again fulfilling our ecological promise to which we have been committed for years. The MAN eTGM ideally complements the extensive measures that we have initiated in recent years to sustainably reduce our company's CO2 emissions," said Stephan Potthoff-Wenner, explaining the holistic, resource-saving approach of the specialist for the development and production of solid board food cartons.

This includes sustainable waste management and recycling or energy efficiency optimisation in production as well as energy generation through a photovoltaic system on the roofs of the production and storage halls. The new electric truck represents the ideal continuation of this approach for the connected transport chain. The operation with solar power produced by the company itself makes it particularly environmentally friendly.

The fully electric distribution vehicle is a MAN eTGM in the configuration of a 6x2-4 three-axle chassis with steerable and liftable trailing axle for a gross vehicle weight of 26 tonnes. The vehicle is equipped with a dry freight box

MAN Truck & Bus is one of Europe's leading commercial vehicle manufacturers and transport solution providers, with an annual revenue of some 11 billion euros (2019). The company's product portfolio includes vans, trucks, buses/coaches and diesel and gas engines along with services related to passenger and cargo transport. MAN Truck & Bus is a company of TRATON SE and employs more than 37,000 people worldwide.



for moisture-protected transport of the cardboard boxes. The electric distribution vehicle is driven by a 264 kW (360 PS) electric motor, which provides a torque of max. 3,100 Nm. Auxiliary units such as power steering, air compressor as well as the air conditioning system are electrically operated and controlled via the energy management system according to demand, thus saving energy.

Brake energy recovery (so-called recuperation) converts the kinetic energy of the vehicle into electrical energy during the thrust and braking phases and returns it to the battery storage. This can significantly increase the range. A display in the cockpit informs the driver about the current energy content of the batteries. Powerful lithium-ion batteries from the Volkswagen Group supply the energy for the truck. These are located under the cab above the front axle, where the diesel drive train is located in conventional vehicles. Further batteries are located on the vehicle frame. The range of the MAN eTGM is up to 200 kilometres, depending on the area of operation and climatic and topographical conditions. The batteries can be charged either with a charging power of 22 or 44 kW with alternating current or as so-called "high-power charging" with 150 kW direct current.

In order to make it as easy as possible to enter the world of electric mobility, MAN offers its customers individual, comprehensive and solution-oriented advice when they purchase an eTGM with MAN Transport Solutions. In addition, MAN eTGM drivers receive driver training from MAN ProfiDrive, which is specially designed to meet the requirements of driving a fully electric vehicle.

The electric truck handed over to Friedrich Wenner GmbH is one of a first small series of vehicles that MAN will deliver to various customers throughout Europe in 2020. Since September 2018, nine electric trucks of a similar design have already been successfully in daily use at nine companies of the Austrian Council for Sustainable Logistics (CNL). The LGI Logistics Group has also been using an MAN eTGM in parts logistics for Porsche at its production site in Stuttgart-Zuffenhausen since December 2018.

Captions:

P_EOT_MAN_eTGM_Wenner_01

Proud of the all-electric MAN eTGM from Friedrich Wenner GmbH: Stephan Potthoff-Wenner (3rd from left), Managing Director of Friedrich Wenner GmbH, Kristian Evers, Managing Director of Halbzellstoff Industrie GmbH (1st from left), Ferdinand Zeh, Sales Manager MAN Sales Office Bielefeld

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(2nd from left), Till Kortekamp, Sales Consultant MAN Sales Office Bielefeld
(4th from left).

P_EOT_MAN_eTGM_Wenner_02

Consistently ecological: solar cells on the roofs of production halls and warehouses of Friedrich Wenner GmbH produce the electricity for the new MAN eTGM.

P_EOT_MAN_eTGM_Wenner_04

First ride with the fully electric MAN eTGM around Versmold in North-West Germany, where the headquarter of Friedrich Wenner GmbH is located.