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Porsche takes over eTruck from MAN for environmentally friendly logistics

Noise reduced and zero emission transport to the assembly line of the new electric Porsche

- **The zero emission and almost noiseless 32 ton vehicle adds to the production logistics' fleet at the Porsche headquarters in Stuttgart-Zuffenhausen**
- **MAN sets another milestone on its eMobility roadmap with the eTGM**
- **The eTruck is used in delivery traffic between logistics partner LGI Logistics Group International GmbH and the Porsche plant and avoids a total of more than 30,000 kilograms of CO2 per year.**

Stuttgart. Clean and quiet to the factory: Porsche is commissioning a fully electric MAN eTGM for delivery logistics to the Stuttgart-Zuffenhausen factory site. It is the first vehicle of its kind in Germany to be used for series use. From now on the zero emission and almost noiseless 32 ton vehicle adds to the production logistics' fleet in Stuttgart-Zuffenhausen. The Porsche headquarter is currently being prepared for the production of the first all-electric Porsche. With the eTGM for Porsche, MAN is setting another milestone on its eMobility roadmap, which projects a first small series of MAN eTGM from 2019.

"With the integration of the eTruck into the production logistics, Porsche is taking another step on the way to the "Zero Impact Factory," explains Albrecht Reimold. Behind this stands the environmentally conscious approach that - even when considering the entire value chain - the company does not leave any ecological footprint. The path to the "Zero

MAN Truck & Bus
Dachauer Straße 667
80995 München

Bei Fragen wenden Sie sich bitte an:

Gregor Jentzsch

Telefon: +49 89 1580-2001

Presse-man@man.eu

www.mantruckandbus.com/presse

MAN Truck & Bus ist einer der führenden europäischen Nutzfahrzeughersteller und Anbieter von Transportlösungen mit jährlich rund 10 Milliarden Euro Umsatz (2017). Das Produktportfolio umfasst Transporter, Lkw, Busse, Diesel- und Gasmotoren sowie Dienstleistungen rund um Personenbeförderung und Gütertransport. MAN Truck & Bus ist ein Unternehmen der TRATON AG und beschäftigt weltweit mehr als 36 000 Mitarbeiter.



"Impact Factory" is one with numerous stations and measures. This includes, for example, that Porsche for the last two years has solely been using energy from renewable resources at all production sites. Railway logistics from the production sites are equally run on natural electricity without exception. In addition, Porsche is increasingly electrifying its logistics vehicles – vans, trucks and forklifts.

The battery-electric truck is a MAN TGM 18.360 E 4x2 LL. The type designation reveals its classification into the 18 ton weight class as a truck tractor, while the entire vehicle including a semi-trailer for delivery traffic is designed to have a total weight of 32 ton. The number 360 represents the horsepower of the 265 kW eTruck. Energy storage is provided by Li-ion batteries with a storage capacity of 149 kWh. This means that the electric truck has a range of 130 km. "With the MAN eTGM, electric commercial vehicles have taken a big step towards series maturity and can now reliably play on their strengths in day-to-day operations. The findings gained together with Porsche in regular plant logistics will then feed into a first small series, which we would like to offer as early as next year, that is, in 2019," explains Dr. Manuel Marx, Head of Total Vehicle Development at MAN. In addition to noise reduction and CO₂ neutrality, the strengths of the electric vehicles include also lower wear and tear and maintenance – thanks to the recuperation by the electric drive, i.e. energy recovery during braking, which means the eTruck delays without the use of mechanical brakes and accordingly without braking abrasion.

The electrically powered commercial vehicle is used in delivery traffic on the nearly 19 kilometer long route between Freiberg at the Neckar, operation site of the logistics partner LGI Logistics Group International GmbH, and the Porsche plant in Stuttgart-Zuffenhausen. In total, the use of the eTruck avoids more than 30,000 kilograms of CO₂ per year.

It is also in Freiberg, where the charging station has been installed. It is a first model of the new fast charging infrastructure, which Porsche Engineering has also developed for the future fast charging network operated by the joint company Ionity. For this logistics application, the charging power is designed for a maximum of 150 kW/h. This allows charging the eTGM for a further 100 kilometers of distance in only 45



minutes. The charging station – as at all Porsche charging stations – will be powered exclusively by natural electricity, i.e. environmentally friendly energy, sourced from renewable resources.

Caption:

Porsche takes over eTruck from MAN for environmentally friendly logistics.