



First electric bus order for MAN: transport company Verkehrsbetriebe Hamburg-Holstein is counting on the Lion's City E

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The transport company Verkehrsbetriebe Hamburg-Holstein (VHH) is setting a course for the emissions-free mobility of tomorrow, thereby bringing the first sales success for electric buses to MAN Truck & Bus – a milestone for both VHH and MAN.

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- **Transport company Verkehrsbetriebe Hamburg-Holstein orders 17 all-electric MAN Lion's City E vehicles**
- **The 12-metre solobuses will be delivered in the second half of 2020**
- **MAN offers a reliable electric bus with proven cell and battery technology, comprehensive e-mobility consultation and tailored mobility solutions**

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The transport company Verkehrsbetriebe Hamburg-Holstein (VHH) has ordered 17 MAN Lion's City E buses – this means that MAN Truck & Bus has won one of two tendered lots. "We're very happy about the order because for us, it's the first large customer delivery of electric buses as part of a tender. It's therefore a significant milestone on the e-mobility roadmap," says Rudi Kuchta, Head of Product & Sales Bus, as well as Speaker Business Unit Bus at MAN Truck & Bus. He adds: "In doing so, VHH is relying on our e-mobility competency even before the start-up of the first MAN field trial vehicle. We'll do everything we can to live up to this trust." Delivery of the vehicles will begin in the second half of 2020, and all 17 buses in the VHH design should be delivered to the Hamburg-based transport company by the end of the coming year.

Representatives of VHH and MAN Truck & Bus symbolically signed the contract for the delivery of the 12-metre solobuses at Busworld 2019 in

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 (2018). 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 36,000 people worldwide.



Brussels. There, MAN presented the all-electric Lion's City E and thereby a comprehensive, future-proof overall concept. "When it comes to getting started with e-mobility, VHH is relying on a reliable electric bus with proven cell and battery technology. On top of that, MAN Transport Solutions offers comprehensive consultation and individual solutions for operation, infrastructure, service and maintenance related to e-mobility," says Kuchta.

Gaining experience: VHH receives electric bus for practical test

Verkehrsbetriebe Hamburg-Holstein will already receive a test vehicle at the end of December, with which they can gain initial experience in daily use. "With the MAN Lion's City E, we are very clearly setting a course for the mobility of the future – for the benefit of the environment and the people of Hamburg. This is because the modern city buses run entirely without pollutant emissions and are also extremely quiet," explains VHH Managing Director Toralf Müller.

The Lion's City 12 E is able to fit up to 88 passengers. The omission of the engine tower allowed the seating area in the rear to be optimised and thus for more pleasant lighting conditions, and the addition of up to four extra seating places. The placement of the batteries on the roof provides a solution located away from the rear area, which is at risk in the event of collisions, and makes them easier to access for service work. MAN uses a central motor on the rear axle to drive its electric bus. In the solobus, the all-electric driveline produces 160 kW up to a maximum of 240 kW. The energy for this comes from the modular batteries with 480 kWh of installed capacity; here, MAN relies on the fully developed battery cell technology from the Group's modular kit. Sophisticated temperature management ensures a particularly good level of availability, regardless of the time of year, allowing MAN to reliably ensure a range of 200 km (and up to 270 km in favourable conditions) over the entire service life of the batteries.

In the coming year, MAN's e-mobility roadmap will see a demo fleet of electric buses consisting of 15 test vehicles in customer deployment in five European countries. For this, MAN entered into innovation partnerships with different operators – including Verkehrsbetriebe Hamburg-Holstein (VHH).

Press Release
MAN Truck & Bus



P_Bus_EOT_LionsCity12E.jpg

Caption:

Delivery of the 17 MAN Lion's City E buses will begin in the second half of 2020. They were ordered by the transport company Verkehrsbetriebe Hamburg-Holstein (VHH), in the 12-metre solobus version.

E_Bus_EOT_LionsCityE_VHH.jpg

Caption:

Present at the symbolic signing of the contract at Busworld in Brussels (from left to right): Mike Vannauer, Regional Head of Bus Sales, MAN Truck & Bus Deutschland; Rudi Kuchta, Head of Product & Sales Bus, MAN Truck & Bus SE; Toralf Müller, Managing Director, Verkehrsbetriebe Hamburg-Holstein; Frank Krämer, Head of Bus Sales, MAN Truck & Bus Deutschland; Oliver Lass, Key Account Manager Public Transport, Sales Region North, MAN Truck & Bus Deutschland.