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Milestone for sustainable mobility - 1,000 MAN electric buses produced

Series production of the Lion's City E started in fall 2020. Now, barely three years later, MAN has produced the 1,000th all-electric city bus at its Polish plant in Starachowice. This is one of many milestones in the success story of the eBus, which is now in successful operation throughout Europe and impresses day after day with its reliability, range, and sustainability. MAN Truck & Bus continues to drive sustainable mobility forward and is fully committed to electric drive

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- **1,000th MAN Lion's City E rolled off the production line at MAN's Polish plant in Starachowice**
- **Anniversary bus will be used in the Madrid metropolitan area**
- **MAN eBuses successfully on the road in urban transport throughout Europe**
- **European eBus market in the 1st half of 2023: MAN Lion's City E in second place for new registrations**
- **MAN focuses on electrification of city buses, intercity buses, and coaches**

It is another milestone in an electrifying success story: in mid-September, the 1,000th MAN Lion's City E rolled off the production line at the MAN plant in Starachowice, Poland. In the future, the Lion's City 12 E will take passengers in the greater Madrid area to their destinations safely, comfortably, and sustainably. The eBus was ordered by the transport company Auto Periferia S.A., a subsidiary of the Spanish Grupo Ruiz. "Almost exactly three years ago - at the beginning of October 2020 - series production for our battery-electric city buses successfully started in Starachowice. Since then, more and more eBuses have been reliably rolling off the production line," says Barbaros Oktay, Head of Bus at MAN Truck & Bus, adding, "We have a great team to thank for this, who are tirelessly committed and deliver outstanding

MAN Truck & Bus is one of Europe's leading commercial vehicle manufacturers and transport solution providers, with an annual revenue of about 11 billion euros (2022). 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 GROUP and employs approx. 33,000 people worldwide.



work. In addition, our plant in Poland has developed into a center of excellence for electric city buses in recent years." To be able to take this developmental step, MAN Truck & Bus has invested heavily in eMobility and taken great care to prepare its employees and production facilities for the requirements of electric mobility. "With a growing market for eBuses, this was an important investment for us in the future," says Oktay.

Because more and more public transport operators are switching to a completely emission-free bus fleet and relying on fully electric vehicles such as the MAN Lion's City E. The city bus is already operating successfully throughout Europe. Day after day, it impresses operators, drivers and passengers with its reliability, range and comfort. "Orders, such as the current one from Grupo Ruiz, and the demand from our customers clearly show that our Lion's City E is becoming increasingly popular," makes Robert Katzer, Head of Sales & Product Bus at MAN Truck & Bus, clear, adding, "The many follow-up orders in particular prove how satisfied operators are with the vehicle."

Grupo Ruiz - incidentally the first Spanish customer to order MAN electric buses - also already has 20 MAN eBuses in operation, and plans to have 60 vehicles by the end of 2023. In the meantime, however, the company is by no means the only public transport operator in Spain to rely on the MAN Lion's City E - on the contrary: to date, more than 175 MAN eBuses have been ordered for Spanish cities such as Alicante, Badajoz, Bilbao, Cáceres, Leganés, Málaga, Melilla, San Sebastián, and Valencia. The majority of the vehicles are to be delivered and put into service this year. "Especially in the big cities, there is a demand for city buses that are emission-free and quiet on the road - like our eBus," says Katzer.

MAN electrifies Scandinavia: More than 370 eBuses in operation

But it's not "only" in Spain that eBuses are increasingly seen making their rounds in the cities. Scandinavia in particular is regarded as one of the pioneers when it comes to electromobility. This is also reflected in the order figures: By the end of 2023, more than 370 electrically powered MAN city buses are expected to be in operation here. The latest orders include 45 MAN Lion's City 12 E buses ordered by VIKINGBUS Danmark A/S. In the future, the transport company will operate routes in Copenhagen as well as in Frederiksberg, Lyngby, Greve, and Høje Taastrup in Denmark. Anchersen A/S had already ordered 25 eBuses from MAN in 2021, which are now in use on the central Copenhagen bus route 7A. "But our MAN Lion's City E has



also been excellently received in Norway and Sweden. For example, the Norwegian transport operator Unibuss, among others, has ordered 76 MAN Lion's City E from us," says Katzer.

MAN Truck & Bus already received its first eBus order at the end of 2019 - a year before the start of production: Verkehrsbetriebe Hamburg-Holstein (VHH) ordered 17 MAN Lion's City E. Since then, VHH has been consistently pursuing its path toward a completely zero-emission bus fleet. The next order covered a further 20 electric buses. In 2022, VHH opted for eBuses from MAN for the third time: the order included 30 eSolobuses and 6 eArticulated buses. The latest order from this year includes the delivery of up to 100 more electric buses by MAN Truck & Bus.

**European eBus market grows by 45% in HY1 2023:
MAN second largest supplier**

Across Europe, the market for electric buses grew by 45% in the first half of 2023. A total of 2,567 battery-electric buses were registered during the period, according to Chatrou CME Solutions. This means that more than one in three new city buses (37.5 percent) in Europe is now emission-free. With 260 eBuses, MAN Truck & Bus ranks second in terms of new registrations in Europe. And MAN eBuses are also proving extremely popular in the German market: Of the 297 new electric buses registered in Germany in the first six months of this year, 63 were from MAN. "We are very pleased about this great success," explains Barbaros Oktay and goes on to say, "But we want to put even significantly more electric buses on the road. By 2025, half of our new city buses will be electric, and just five years later, up to 90 percent of our buses in Europe will be battery-powered. We also have our sights set on the electrification of intercity buses and coaches."

Sustainable mobility: focus on environmental and climate protection

MAN is driving forward sustainable mobility together with partners and customers to take account of environmental and climate protection. "We are fully committed to the goals of the Paris Climate Agreement. In addition, we are genuinely committed to acting responsibly and making a positive contribution to society," Oktay said. The company therefore aims to become greenhouse gas neutral in terms of its balance sheet by 2050 at the latest. To achieve its ambitious climate targets, MAN Truck & Bus is focusing primarily on the electrification of the products it sells, which are responsible for around 97% of the company's CO₂ emissions. "On our way to zero emissions, we are relying



fully on electric drive in the bus business. To this end, we are consistently converting our portfolio in the city bus and intercity segment to electric vehicles over the next few years," Oktay makes clear. Incidentally, MAN is also focusing on battery-electric drives because the vehicles are economically convincing. "BEV simply offers the best TCO for our customers. That's why we're also focusing on the electric variant for coaches in the next step."

The high-voltage batteries for the electric buses and trucks will be mass-produced in Nuremberg from the beginning of 2025. MAN is investing around 100 million euros in this over the next five years. The aim is to expand production capacity to over 100,000 batteries per year. In this way, MAN is laying the foundations for the industrialization of electric drives. This is because they could be used to equip around 15,000 to 25,000 eBuses or eTrucks - depending on the configuration. In addition, the charging infrastructure is to be expanded as part of the Milence joint venture, which the TRATON Group founded together with Daimler Truck and the Volvo Group: The plan is to set up at least 1,700 high-performance charging points at or near freeways and logistics hubs across Europe in the next few years. "It is important to us to advance electromobility, put outstanding eVehicles suitable for everyday use on the road, and offer our customers innovative technology. To make this happen, we are working on a wide range of different levers and giving our best every day," says Oktay.