



On the road with low-emission Mobilis in Warsaw

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Poland's largest bus company, Mobilis, recently put 61 MAN Lion's City Hybrid buses into service. The state-of-the-art city buses are helping to create an attractive and sustainable local public transport system in Warsaw.

- **MAN delivers 61 Lion's City Hybrid buses to Mobilis**
- **Helping to cut emissions and noise in the city centre**
- **MAN hybrid drive systems save as much as 30 percent on fuel consumption, equivalent to as much as 10,000 litres of diesel per year on average**

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Warsaw is one of the 10 biggest cities in the EU. More than 1.7 million people live in the Polish capital on the river Vistula. The city draws thousands of tourists a year to visit its historic old centre – a UNESCO World Heritage Site since 1980 – and its many palaces, monuments and museums. So running an attractive and low-emission local public transport system is vital.

That is why local operator Mobilis recently chose to acquire 61 MAN Lion's City Hybrid buses. The subsidiary of Egged Israel took delivery of the city buses from MAN Truck & Bus in mid-June, just two months after the Polish bus company's representatives had visited Munich to sign the contract. "We are delighted that Mobilis chose the MAN Lion's City Hybrid. Alongside the quality of the vehicles, the main factors in that choice were their innovative drive system concept, their sustainability and their highly economical running costs," comments Christian Fischer, head of Bus Sales Management at MAN Truck & Bus.

The MAN hybrid bus cuts fuel consumption by as much as 30 percent, thus saving as much as 10,000 litres of diesel per year on average. The vehicle's

MAN Truck & Bus is one of Europe's leading commercial vehicle manufacturers and transport solution providers, with an annual revenue of some 10 billion euros (2017). 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 Volkswagen Truck & Bus GmbH and employs more than 36,000 people worldwide.

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CO2 emissions are also significantly lower than comparable city buses. The 61 MAN Lion's City Hybrid buses are powered by a 250 hp (184 kW) EURO VI diesel engine combined with a high-performance electric motor. The electric motor is provided with additional power by recuperating the vehicle's braking energy, which is stored in ultracaps. "This recuperated and stored energy is used to enable a zero-emission, low-noise approach to bus stops for example. The system therefore greatly reduces noise pollution for local residents," Fischer explains.

And the MAN Lion's City Hybrid is a winner in terms of comfort too: The low entry ensures that passengers can enter and exit the bus with ease. There is also a manual ramp on one of the three inward-swinging doors to speed up passenger flows as and when necessary. The LED lighting on the doors additionally ensures safe entry and exit at night. The 12 metre long two-axled buses also feature assistance systems such as the Electronic Brake System (EBS) incorporating ABS/traction control functionality, an emergency braking signal, an electronic brake pad wear indicator, and a fire extinguisher system in the engine compartment. Additional safety is provided by a video surveillance system in the passenger area. The driver is protected against intruders by a full-screen cab door.

"We have been working successfully with Mobilis for 25 years now. The fact that Mobilis, as Poland's largest bus company, chooses to rely on MAN clearly demonstrates that it is convinced of the reliability of our buses and backup services in the running of its public transport operations," Fischer concludes. MAN Truck & Bus also handles the maintenance and servicing of the vehicles. In fact, it is not just Mobilis that relies on MAN: its parent company Egged, Israel's largest transport service provider, is a firm believer in the qualities of MAN buses too. And has been for the past 85 years.

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H_Bus_Mobilis_2018-01.jpg

Caption:

Contract signing with representatives from both companies: Mobilis has acquired 61 MAN Lion's City Hybrid buses for its public transport operations in Warsaw.

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Caption:

Symbolic hand-over of the keys from Kamil Gromek (l.), Head of Bus Sales MAN Truck & Bus Polska, and Nils Kulle (r.), Head of Market Sales Management MAN Truck & Bus, to Katarzyna Strzegowska, Vice director public transport, and Dariusz Zauska, CEO Mobilis.

P_Bus_EOT_Mobilis_2018-01.jpg

Caption:

MAN delivers 61 Lion's City Hybrid buses to Mobilis