



MAN & NEOPLAN: Buses for every application

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The wide scope of possible applications for coaches meets its match in the extensive portfolio of MAN Truck & Bus.

- **MAN and NEOPLAN's coaches meet accessibility requirements stipulated for long-distance transportation services in every segment**
- **MAN Lion's Coach EfficientLine combines efficiency-enhancing features**
- **Individual upgrades in the MAN Bus Modification Centre**

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Few things could have happened that would have been better for the image of the coach than the opening up of the market for long-distance transport in Germany three years ago. Other countries have subsequently also liberalised their long-distance transport regulations. The number of cross-border connections is growing rapidly. The bus has since managed to firmly establish itself as another cost-effective, eco-friendly and safe form of transport for many Europeans. In the last year, more than 20 million travellers used long-distance buses in Germany alone.

However, this particular area of application requires special vehicles. In January 2016, new rules came into effect in Germany stipulating that all newly registered long-distance buses had to provide at least two wheelchair spaces and barrier-free access for passengers with restricted mobility. All of MAN Truck & Bus coaches meet these requirements, as shown by the models on display at this year's IAA. A lifting platform is available on the MAN Lion's Coach and the new NEOPLAN Tourliner to provide access to raised-floor vehicles. The NEOPLAN Skyliner enables access for passengers with restricted mobility via a folding ramp. To create the necessary space inside the vehicle, MAN has developed an extremely easy-to-use solution for bus operators, whereby up to six double seats can be pushed together using a sliding system. This saves the bus company having to completely remove seats as and when needed. Instead seats

MAN Truck & Bus is one of Europe's leading manufacturers of commercial vehicles and supplier of transport solutions, with revenues of approximately €9 billion a year (2015). The product portfolio includes trucks, buses and diesel engines, as well as services related to passenger and cargo transport. A subsidiary of Volkswagen Truck & Bus GmbH, MAN Truck & Bus employs more than 35,500 people worldwide.



remain inside so that the vehicle can be made accessible in a matter of minutes – not just in the depot but also on the road.

In addition to these effective solutions, the vehicles also feature impressive efficiency and assistance systems such as the proactive MAN EfficientCruise cruise control with the MAN EfficientRoll freewheeling function or the MAN AttentionGuard awareness assistant. Furthermore, the new passenger seats with adjustable headrests in the MAN Lion's Coach provide even more comfort for long-distance travel.

Consistently efficient: MAN Lion's Coach EfficientLine

MAN Lion's Coach EfficientLine is designed to fully combine various efficiency-enhancing equipment. An important contribution to this is delivered by the optimised driveline with the D2676 LOH engine with 460 HP (338 kW). It is equipped with an automated TipMatic 12 gear transmission with optimised gear-change strategy as standard, as well as an eco hypoid drive axle with an extended transmission ratio of $i = 2.73$. Despite the optimised driveline with a larger engine and automated gearbox, the EfficientLine configuration still weighs in at 100 kg less than the most common configuration of the MAN Lion's Coach.

A further contribution is provided by the fuel-saving tyres which are fitted on aluminium rims and equipped with the MAN Tyre Pressure Monitoring (TP) system. It guarantees that optimal tyre pressure is maintained at all times which benefits fuel consumption and tyre wear. The wheel cutout trim panels on the rear axle additionally improve the vehicle's aerodynamics. This yields a fuel consumption advantage of 0.3 l/100 km when compared to buses without mudguard cover panels.

The overall savings potential is optimally rounded off with a professional driver training course available from MAN ProfiDrive. The two day course initially provides the driver with a vehicle briefing to set the basis for the correct handling of the vehicle, which is then followed by a training unit for economic driving.

NEOPLAN Skyliner: the success story continues

Since June 2015, the NEOPLAN Skyliner has been available in the Euro 6 variant. The premium double-decker impresses with its optimum combination of efficiency, environmental performance and exclusive comfort. Its prize-winning 'Sharp Cut Design' with clear, consistent lines guarantees top aerodynamic performance. Fuel savings of up to five



percent can be achieved in comparison with double-deckers without aerodynamically-optimised designs. The NEOPLAN Skyliner also sets the standard when it comes to the luggage compartment: with up to 11 m³, it offers adequate space for cases and bags.

The generously designed interior delivers maximum freedom of movement inside the double-decker. And, with up to 83 seats, the bus is perfect for long-distance travel. Its long-distance package, including destination display and 230 V plug sockets and/or USB ports for every seat – together with a new driver's seat featuring optimal positioning – ensure an increased level of comfort for both passengers and driver. Entertainment on both short and long journeys is provided by the Onboard Entertainment system. In addition to optional on-board W-LAN, the Multi Media Coach Advanced media centre with two 19-inch TFT monitors and one 15-inch TFT monitor on top as well as 15-inch flat screens below is also included. For special customer requirements, the MAN Bus Modification Centre in Plauen is on hand to offer a wide range of configuration options.

Special upgrades for special requests

In the MAN Bus Modification Centre in Plauen, every bus is a one of the kind. There an MAN Lion's Coach can be transformed into a VIP shuttle for the President of Uzbekistan or a NEOPLAN Cityliner into a rolling concert auditorium with 1000 Watt audio power. This special 'Club bus' was not only fitted with a lounge area at the rear but also a Plug & Play bass-reflex sub woofer with amplifier which guarantees full base sound inside the vehicle despite its compact dimensioning. Eight separate and freely configurable amplifier channels enable complex system configurations via a single amplifier. For extra passenger comfort in this outstanding vehicle, the BMC specialists installed a glass skylight, an individual kitchen as well as an entertainment system which provides on-board W-LAN, music, films and eBooks. For the first time at the IAA 2016, MAN will introduce a mobile phone charging system with induction charging option. Thanks to LED light effects and other lighting equipment, the bus is able of providing unique lighting ambience. There are virtually no limits to the abundance of design and configuration possibilities.