



## **Sustainable bus solutions for urban traffic**

Hanover, September 24, 2014

### **MAN Lion's City range at IAA Commercial Vehicles 2014**

Global urbanisation, increasing pressure on transport systems, air and noise pollution in cities, and climate change all require new solutions for urban mobility. At IAA Commercial Vehicles 2014, to be held in Hanover from 25 September to 2 October, MAN will present its fuel-saving and environmentally-friendly mobility concepts for urban traffic, tailored to individual customer and market requirements. The wide-ranging city bus programme offered by MAN Lion's City meets all requirements: With a low entry or low floor design, as a solo or articulated bus, with a total length ranging from 12 to 18.75 metres, as a two-, three- or five-door version – all customers can select their bus from a highly flexibly designed product portfolio. MAN also offers a wide variety of drive types: With diesel, hybrid and natural gas drives, a wide range of engines and technologies are available which are continuously being improved.

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### **MAN Lion's City GL: the specialist in large passenger volumes**

With the Lion's City GL Bus Rapid Transit version, MAN offers a vehicle concept specifically designed for urban traffic with especially high passenger numbers. The 18.75-metre long articulated bus has five double-width doors. This door concept, unique on the market, guarantees optimal and rapid passenger transit and short stopping times, even in peak periods.

The new electric pivoting joint control system prevents the pivoting joint from overshooting the central axle when driving through tight turns. The segmented side wall cladding means that damaged parts can be more easily replaced. Repair and downtimes are thus significantly reduced. The interior impresses with its new driver seat, materials and textiles: Translucent bellows, glass sunroofs and energy-efficient LED interior lighting (light-emitting diodes) combine to give the passenger area a bright and pleasant atmosphere.

The MAN Group is one of Europe's leading industrial players in transport-related engineering, with revenue of approximately €15.7 billion in 2013. As a supplier of trucks, buses, diesel engines, turbomachinery, and special gear units, MAN employs approximately 53,500 people worldwide. Its business areas hold leading positions in their respective markets.



### **MAN Lion's City L LE CNG: a cleaner and more efficient alternative**

MAN is the market and technology leader in natural gas buses. Around 8,000 natural gas buses, bus chassis with natural gas engines and gas engines have been delivered since 2000. At IAA, MAN will be demonstrating its decades of natural gas know-how with the MAN Lion's City L LE CNG in the Euro 6 variant. The low entry (LE) concept is designed for combined urban and long-distance transport. The upholstered Lite G3 long-distance seating provides increased comfort for longer routes. The natural gas drive is an alternative to the conventional diesel drive and significantly undershoots the current stringent emission standard without the need for any additional filter technology or operating media. With no need for technical modifications, this bus can also be run with treated biogas, which makes operation CO<sub>2</sub> neutral.

Working in partnership with its cooperation partner, erdgas mobil GmbH, MAN is working on integrated natural gas solutions and increasing the number of natural gas buses in operation, as well as ensuring the continued development of the fuel infrastructure for the entire natural gas mobility industry. MAN will be presenting a CNG filling station together with erdgas mobil GmbH at IAA.

### **MAN Lion's City Hybrid: The urban traffic engine of the future**

The MAN Lion's City Hybrid Euro 6 version is an economically efficient future technology that is already in use on our roads. With its serial hybrid drive, this low-floor bus saves up to 30 percent on diesel and CO<sub>2</sub>. The braking energy is stored in ultracaps and is used to drive both electric drive motors. Due to the zero-emission capability, this bus contributes to improving the air in numerous cities. Another advantage is reduced noise: When pulling away from a stop, the bus moves fully electrically. The diesel engine doesn't cut in until after a few hundred metres.

MAN is presenting the Lion's City Hybrid with a designed-optimised interior and exterior at IAA. The aerodynamic "MAN Efficiency Design", with high recognition value, provides for further reduction in fuel consumption. The former City seat shells have been replaced in the interior by lighter and higher-quality City Light seating. The new driver's seat is ergonomically designed and guarantees greater seating comfort. The segmented side wall cladding ensures that maintenance times are kept as brief as possible.

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