THE CLEAN ALTERNATIVE.

Lion’s City natural gas buses.
To make city life worthwhile.

MAN is leading the way with a clean sheet. MAN Truck & Bus has many years of experience when it comes to natural gas engines: as early as 1972, MAN buses fitted with natural gas engines transported athletes and visitors to the Olympic Games in Munich and the surrounding area. Twenty years on, the MAN SL 202 with CNG drive premiered and in 2003, MAN delivered the first natural gas buses with EEV technology to its customers. Meanwhile, MAN has handed over in excess of 8,000 natural gas buses and natural gas engines.

If you take a deep breath of inner-city air, you will be disappointed in most cities. In the heavy traffic of metropolitan areas around the world, dirty air is a predominant feature. As a leading manufacturer of city buses, MAN is facing up to the challenge to reduce exhaust gas emissions, preserve resources and ensure mobility. However, travelling on MAN city buses is already particularly environmentally friendly today. But good is not good enough for us. For this reason, step on the gas to preserve the environment.
Engines that move the environment into the spotlight.

A powerful drive, dynamic acceleration and superior driving: MAN natural gas engines meet all the performance requirements of modern local public transport companies. When it comes to emissions, they are miles ahead. With tried and tested catalytic converter technology (3-way catalytic converter), emission values are far below Euro 6 limits. This is achieved without the use of AdBlue or particulate filters. MAN natural gas technology represents a first-class, largely CO2-neutral series technology when operated with processed biogas. MAN natural gas engines can also boast with long service intervals, vehicles are easy to service and fully compatible with MAN-Cats diagnosis software. The legally prescribed functional test for compliance with emission values is performed using on-board diagnosis (OBD). The MAN E28 series horizontal 6-cylinder natural gas engine are fitted with turbochargers, intercoolers and three-way catalytic converters. In the Lion’s City, they provide a powerful 200 kW (272 hp) for non-articulated buses and 228 kW (310 hp) for challenging deployments and articulated buses.

The gas system on board.

At a second glance, the Lion’s City natural gas bus can be recognised by its aerodynamic hood on the roof. It houses pressurised natural gas cylinders which store natural gas at an operating pressure of 200 bar. To adapt the range of the Lion’s City to any demand, between 4 and 10 gas cylinders can be fitted in the modular storage system. MAN offers two categories of storage types, differing in capacity, weight and price: synthetic composite cylinders containing up to 214 litres and aluminium composite cylinders containing up to 320 litres. This selection provides for a range of up to 500 km, even for articulated buses.
It’s your turn! Full throttle for gas.

Good arguments as standard. Many factors are in favour of the Lion’s City natural gas bus: the combustion of natural gas produces low emissions, in particular regarding the avoidance of particulate matter and nitrogen oxide. As such, MAN natural gas buses comply with the stringent Euro 6 emission standard, without using extensive filter technology and expensive add-ons. Moreover, the engine runs very quietly with a difference of up to 3 dB(A) compared to a diesel bus.

A high degree of environmental friendliness goes hand in hand with high cost-effectiveness in the Lion’s City natural gas engine. The low fuel prices and lower fuel consumption result in the lowest CO2 emissions of all vehicles. For this reason, the Lion’s City natural gas buses meet the “Blue Angel” environmental label – a seal of quality for the protection of your health and the environment. MAN natural gas buses are the perfect solution for you if you are looking for a clean, safe, and economic bus.

The choice is yours.

The MAN range of city buses provides an array of variants to fit every possible need. For this purpose, the Lion’s City natural gas buses offer the possibility to deploy the perfect bus for every inner-city route and route profile.

Efficient all along the line. MAN natural gas buses with Euro 6 engines do not weigh more than EEV vehicles and are therefore certified for the “Blue Angel” environmental label. By 2015, natural gas is said to amount to five percent of the overall fuel consumed in the European Union and even ten percent by 2020.

If you have any questions, please visit our website. You can discover for yourself whether natural gas buses are the solution for you at:

http://www.bus.man.eu/cng_optimizer/

More information on natural gas engines is available at:


Lion’s City non-articulated bus, length 12 m, also available as intercity bus

Lion’s City C, length 13.70 m, actively steered trailing axle

Lion’s City L, length 14.70 m, actively steered trailing axle

Lion’s City G articulated bus, length

Lion’s City GL articulated bus, length

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