

THE NEW  
ACTROS  
NGT



# Innovation, Efficiency & Sustainability.

Everyone talks, one delivers. The new Actros.

Mercedes-Benz  
Trucks you can trust



## What is CNG?

- **Compressed Natural Gas (CNG)** is made by compressing natural gas, which is mainly composed of methane. It is a fuel which can be used instead of gasoline (petrol), diesel fuel and LPG.
- Can also be obtained from the fermentation of organic residues by means of a 100% ecological process, to produce Biogas.
- Is stored in gaseous form at room temperature and distributed in rigid containers at a pressure of about 200 bar.
- Should not be confused with LNG which is the same gas stored in liquid form at temperatures around  $-160^{\circ}\text{C}$ .



## CNG Advantages

- **Ecological:** of all fossil fuels natural gas possesses the highest ratio between developed energy and the quantity of polluting emissions emitted. It contributes to reducing the smog and the greenhouse emissions.
- **Safe:** filling is as simple as for other traditional fuels. Additionally, the CNG is lighter than air and therefore does not collect in the event of a leak.
- **Economical:** thanks to low CNG costs in Europe and the government incentives in many countries, running costs are lower than those for diesel.
- **Convenient:** the gas filling is fast and the CNG station network is the most widespread in Europe. In addition, CNG vehicles are often free from traffic restrictions.



## The Mercedes-Benz solution

- The new Actros NGT (Natural Gas Technology) contributes to the improvement of air quality and life
- Available versions 18 or 26 tons
- 100% CNG range up to 650 km
- Up to 95% less  $\text{CO}_2$  emissions with biogas
- Significantly lower noise level than a diesel engine<sup>1</sup>
- Allison automatic transmission



<sup>1</sup> Advantageous for the PIEK standard.

# Focus group: Actros NGT Customer

- “Green” transport companies sensitive to the environment
- Operators in the ecology and waste collection sector
- Transport companies specialised in mid-range distribution
- Ideal for night deliveries and limited traffic areas



## Actros NGT Features

- **Gas Engine**

OM 936 – 100% CNG

Displacement: 7.7 l

Torque: 1200 Nm

Output: 222 kW (302 hp)

Noise level: lower than a diesel engine



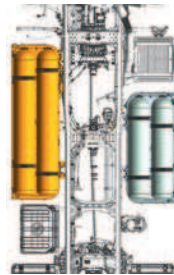
- **Gas Tank System**

Payload gain of up to 400 kg compared to solid steel tanks

CNG tank system 580 l

Maximum CNG tank volume of 980 l with double tank system

Range up to 650 km



- **Allison automatic transmission**

6 forward and 1 reverse gears

Smooth and continuous transmission

Reduced noise emissions, lower than for a diesel

Low maintenance



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