

FTA Fleet Engineer Conference

LNG – Myths and Magic

Geraint Bruton
Clean Fuels Business Manager



Diesel as a HGV fuel

Challenging issues for HGV operators



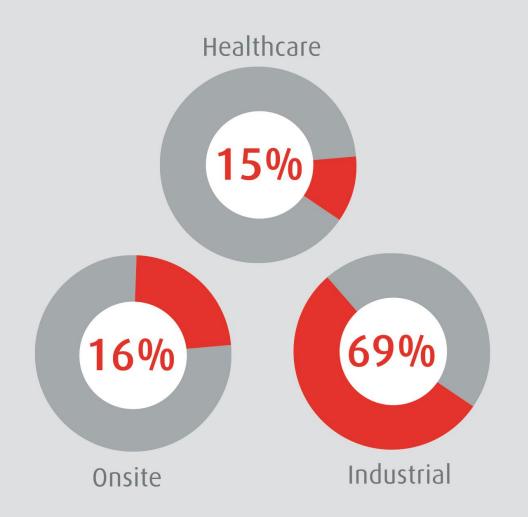


- Reliable technology
- Established refuelling infrastructure
- Well understood cost structure

Is there an alternative?

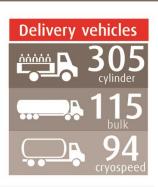
Financial facts

Operational highlights



deliveries per day Industrial, Healthcare and Hospitality











Customer engagement

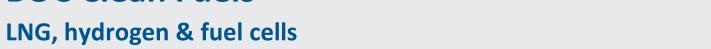






Total UK & Ireland & of Sales (2017)

BOC Clean Fuels













LNG Myths



Myth 1

Can't get the range

Myth 2

Trucks unreliable, no warranty

Myth 3

No infrastructure

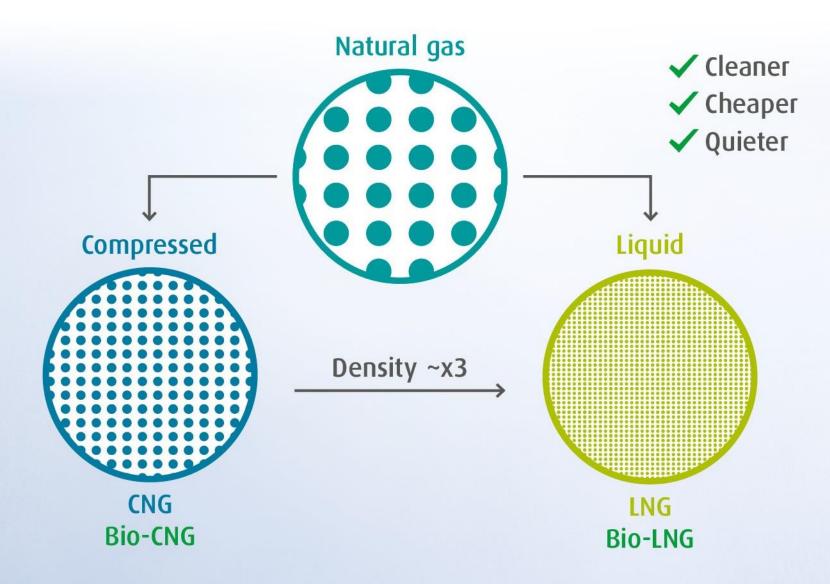
Myth 4

Difficult to refuel

Myth 1 – Can't get the range

LNG vs CNG - same gas but LNG has greater energy density

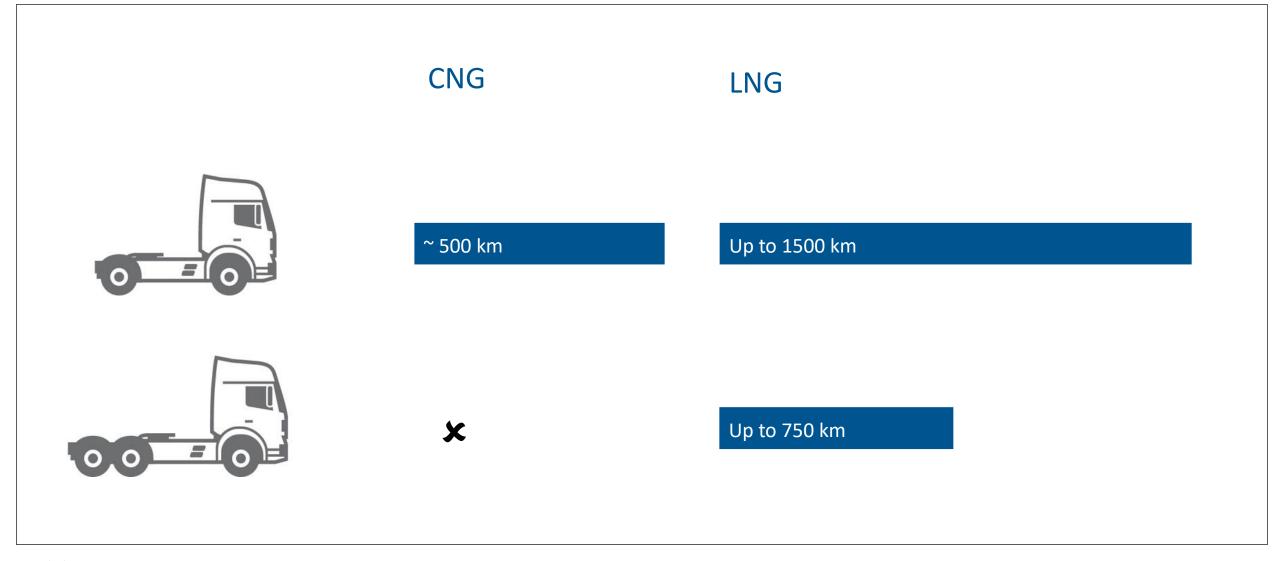




Myth 1 – Can't get the range

LNG gives adequate range for real world operations





Myth 2 – Trucks unreliable/no warranty

Range of full OEM products from various manufactures











Myth 3 – No infrastructure

On road refuelling and B2B solutions from BOC











- Vapour recovery system¹
- Liquid nitrogen conditioning
- Mass flow meter
- Link to BOC delivery planning & customer fuel management systems (Triscan, Tokheim etc)



Support

- 100+ years experience of cryogenic gases
- Supply many process critical customers
- 24/7 delivery planning centre
- Field based support Engineers

Myth 4 – Difficult to refuel

Training given for drivers, time comparable to diesel





Magic – Cleaner than diesel







CO2 reduction – 10 to 20% with LNG & 90%+ with BioLNG





The gas-powered Volvo FH LNG runs on Liquefied Natural Gas – LNG. As a result it emits 20% less* CO₂ than a regular Volvo FH. Allowing transport operators to take big steps towards sustainable transports. When fuelled with bio-LNG, CO₂ emissions can be reduced by 100%*.

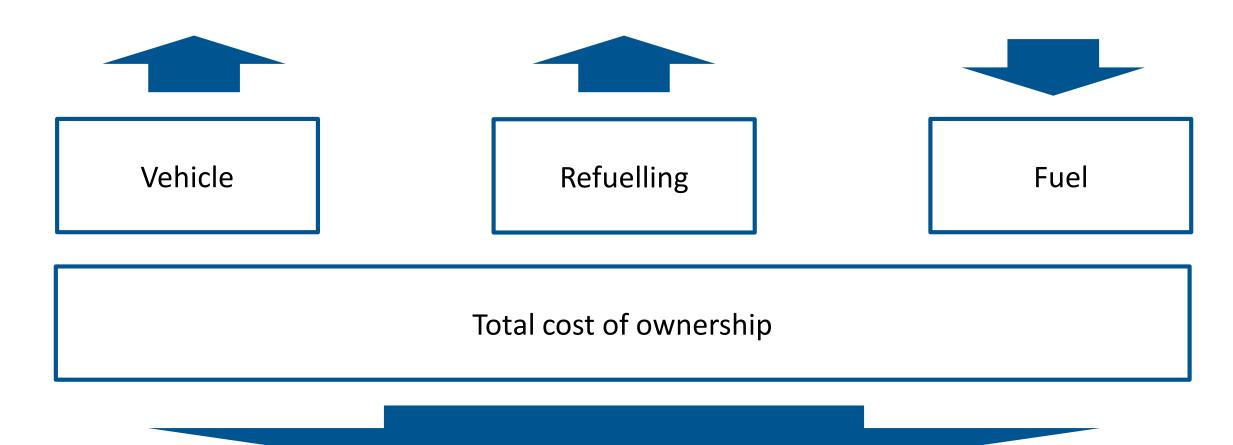
19/06/2019 Source: Iveco & Volvo

Magic - Cheaper

Lower total cost of ownership







Customer experience with LNG

Back to base installation







Myth 1

Can't get the range

1500 km

Myth 2

Trucks unreliable, no warranty



Myth 3

No infrastructure



Myth 4

Difficult to refuel



LNG – Magic

A cleaner and cheaper alternative to diesel





