

Liquified natural gas solutions to decarbonising heavy-duty transport

LNG deliverables create added value

95% LESS NO_x

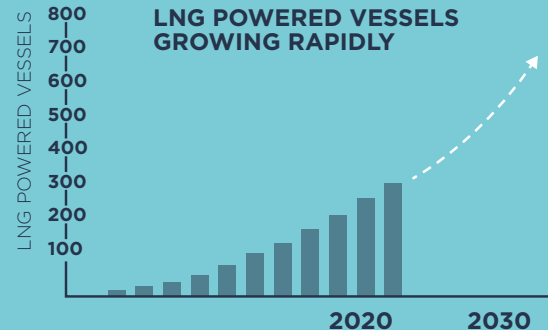
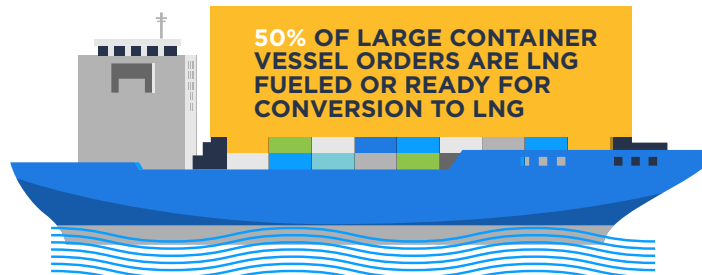
99% LESS Particulate matter

99% LESS SO_x

23% LESS GHG



Maritime LNG transport yields significant growth potential



We build on existing infrastructure (EU27 & UK)



IN 2020 **53 PORTS** HAVE LNG BUNKERING

37+ PORTS DEVELOPING LNG BUNKERING



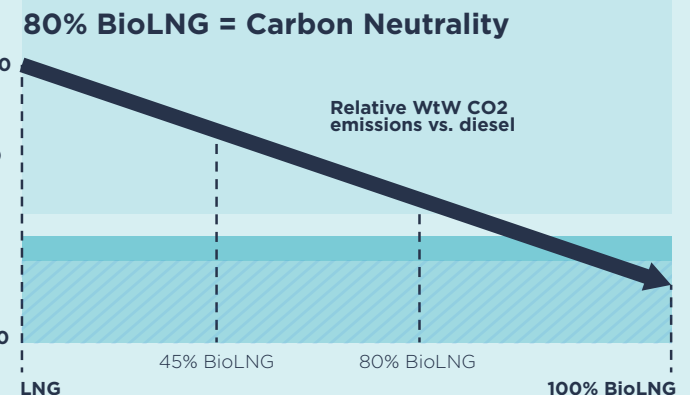
330+ LNG STATIONS IN 2020

2000+ LNG STATIONS IN 2030



LNG can revolutionise road transport

HEAVY DUTY TRANSPORT



LNG enables the transition towards green freight transport and delivers real GHG benefits today, while BioLNG and E-LNG have the potential to deliver on further GHG reductions in the future.



Environmental benefits: gas-based solutions offer a long-term pathway towards zero-emissions transport by gradually reducing carbon emissions and virtually eliminating SOx, NOx, and particulate matter

Economic opportunities: existing infrastructures facilitate the scalable uptake of decarbonised maritime and road transport while securing competitive operations over the long-term



Social dimension: LNG is a secure technology which creates remunerative jobs, responds to societal demands for emissions-free global trade value chains, and benefits human health by reducing environmental pollution compared to other fuel oils solutions

The gas industry will contribute proactively to the implementation of the European Green Deal by delivering tangible solutions to the decarbonising of heavy-duty transport. To execute on this vision effectively, we call on EU policymakers to:

- **Incentivise** investments in innovative technologies and infrastructure, with a focus on digital operations
- **Adopt** a goal-based, technology-neutral approach which guarantees a level playing field
- **Establish** a methodology to quantify carbon emissions reduction accomplishments on a lifecycle basis, from well to wheels and well to wake
- **Enhance** investment in BioLNG and e-LNG production to ameliorate performance of the transport sector
- **Enable** the transition towards climate-neutral heavy-duty transport by providing incentives for increased supply and demand

