

Wärtsilä 31SG Pure Gas Engine For Marine

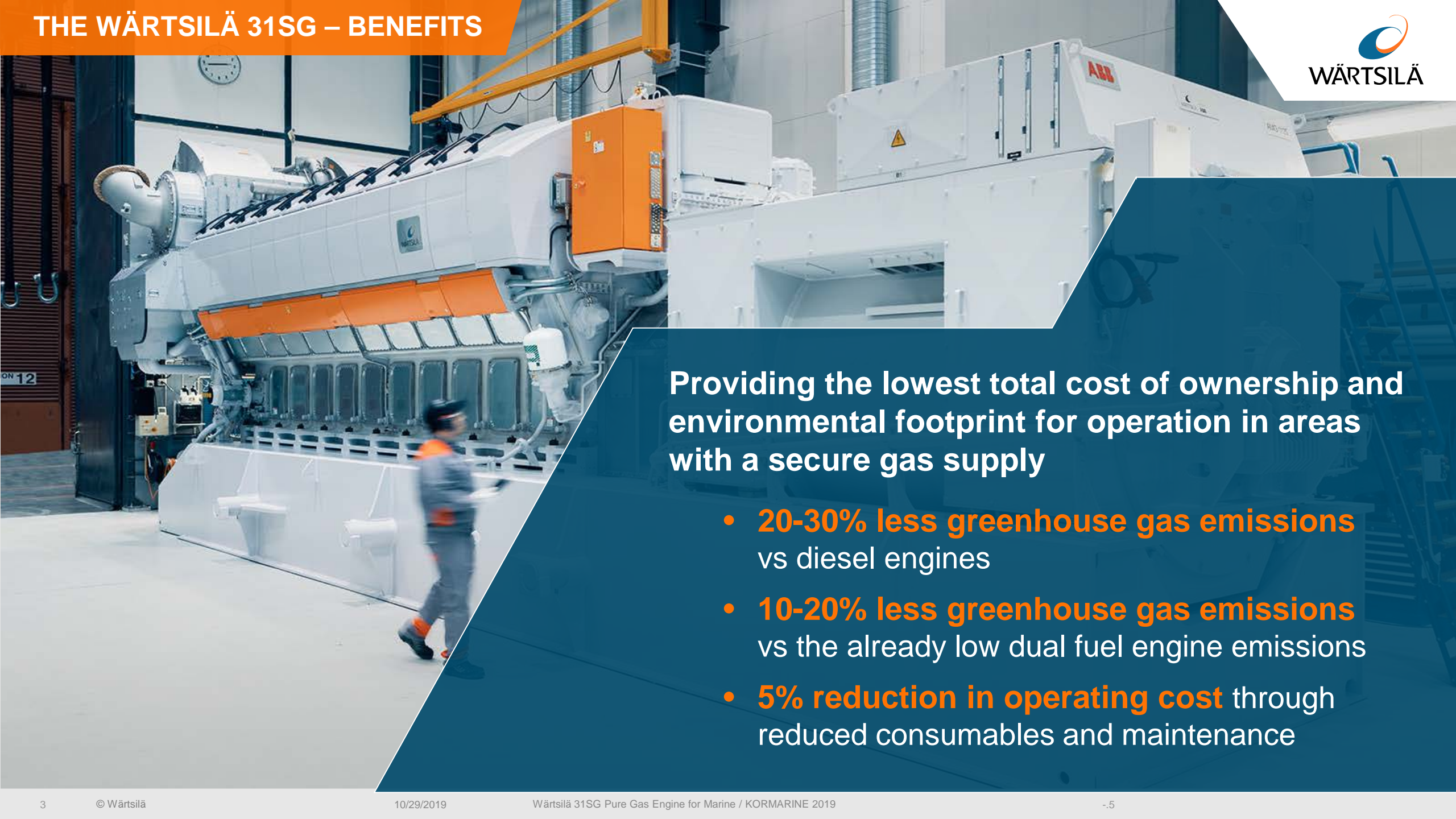
KORMARINE 2019

DeukKi Ha / Sales Manager/ Marine Business



The Wärtsilä 31SG builds on our unmatched **25-year pure gas engine pedigree** and the **1,800 pure gas engines delivered** by Wärtsilä.

The Wärtsilä 31SG is based on the successful Wärtsilä 31 product platform which includes the **world's most efficient 4-stroke diesel engine** – as recognised by Guinness World Records.



Providing the lowest total cost of ownership and environmental footprint for operation in areas with a secure gas supply

- **20-30% less greenhouse gas emissions** vs diesel engines
- **10-20% less greenhouse gas emissions** vs the already low dual fuel engine emissions
- **5% reduction in operating cost** through reduced consumables and maintenance



Cylinder configurations	8V, 10V, 12V, 14V, 16V
Output, mechanical	4240 – 8800 kW
Cylinder output (60/50Hz)	530/550 kW
Genset application	Yes
Variable speed propulsion	Model year 2022
Hybrid integration	Yes

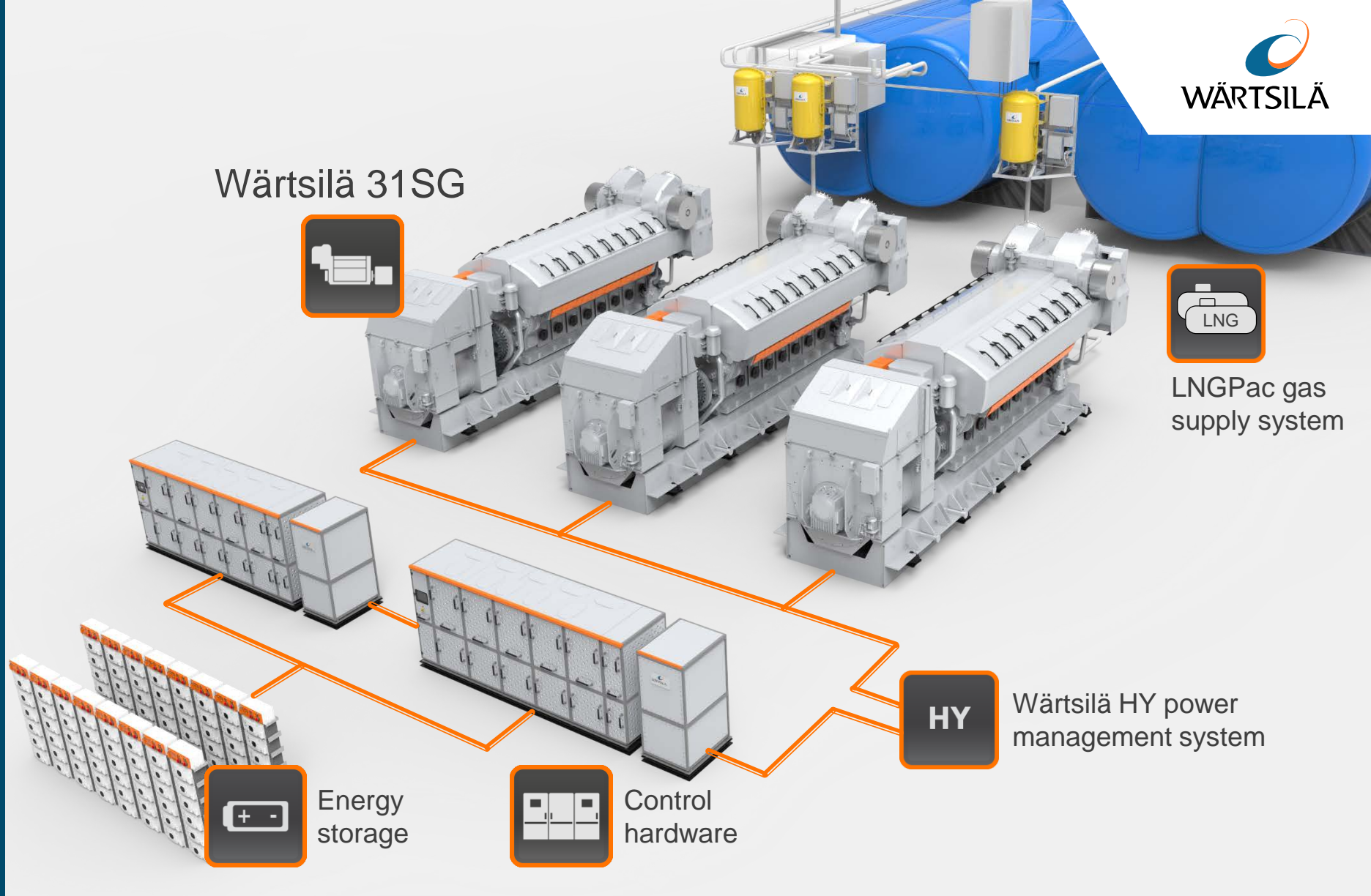


WÄRTSILÄ 31SG HYBRID INTEGRATION

Optimize operating load,
minimize running hours
with peak shaving



Secure redundancy while
still operating efficiently
with instant backup



Floating storage & regasification unit with:

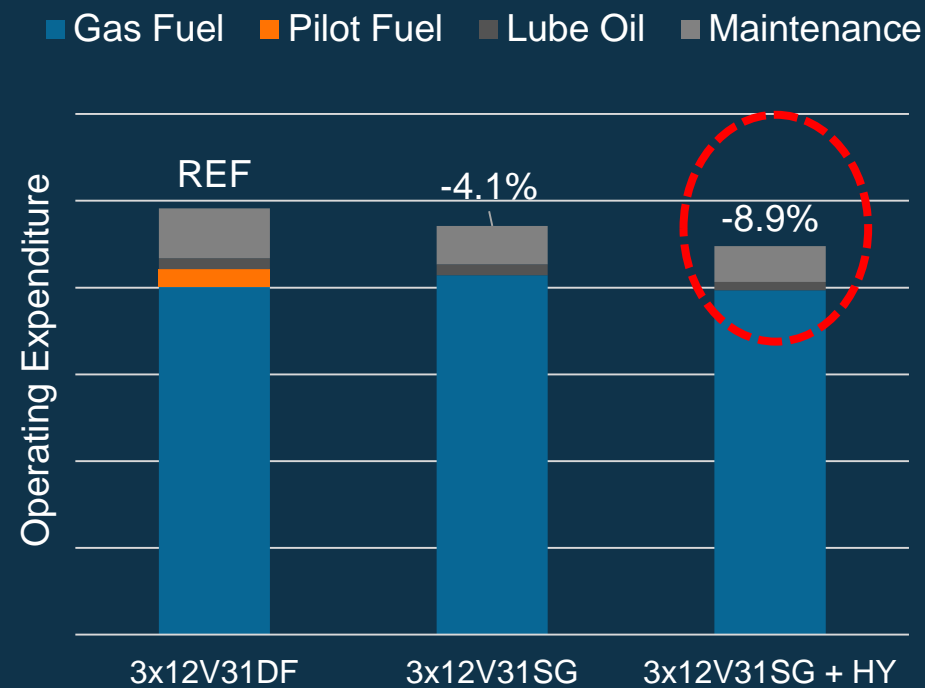
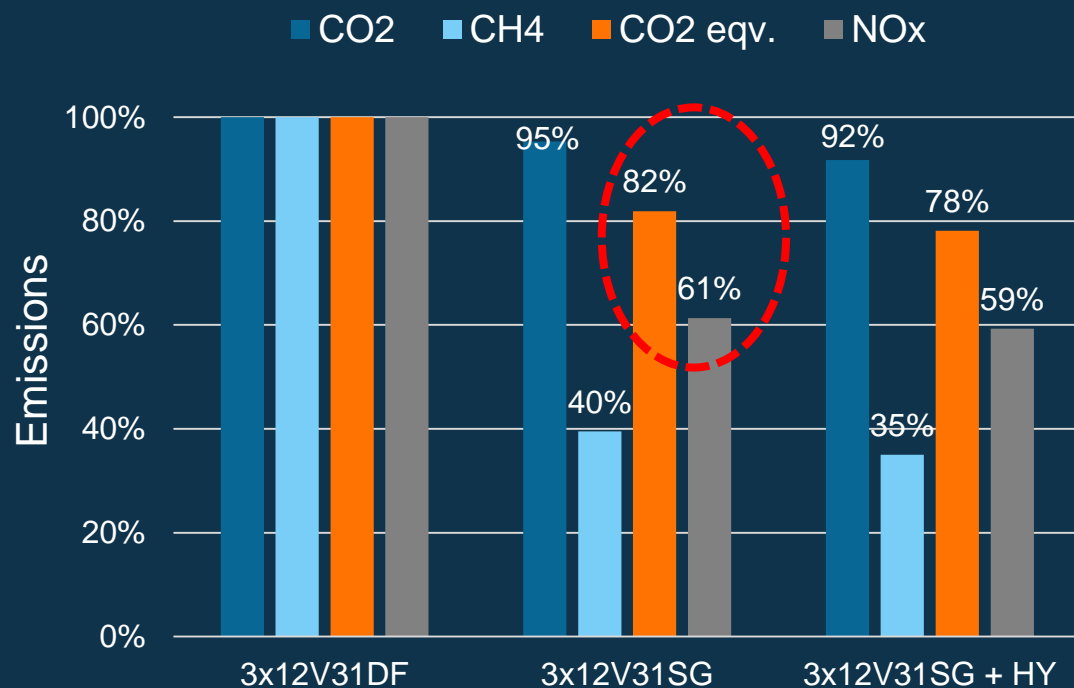
- Storage capacity 140,000 cbm
- Re-gas capacity 375 MMSCFD

Studied machinery alternatives:

- 3 x W12V31DF or
- 3 x W12V31SG or
- 3 x W12V31SG HY hybrid

RESULTS

- 18% lower greenhouse gas emissions with SG, 22% lower when including hybrid solution
- 40% lower NOx emissions
- 4% lower OPEX with SG (red. fuel bill and maintenance), 9% lower when including hybrid solution





Wärtsilä 31SG - providing the lowest total cost of ownership and environmental footprint for operation in areas with a secure gas supply

For additional product information please visit:

<https://www.wartsila.com/marine/build/engines-and-generating-sets>



WÄRTSILÄ