

OIL & GAS

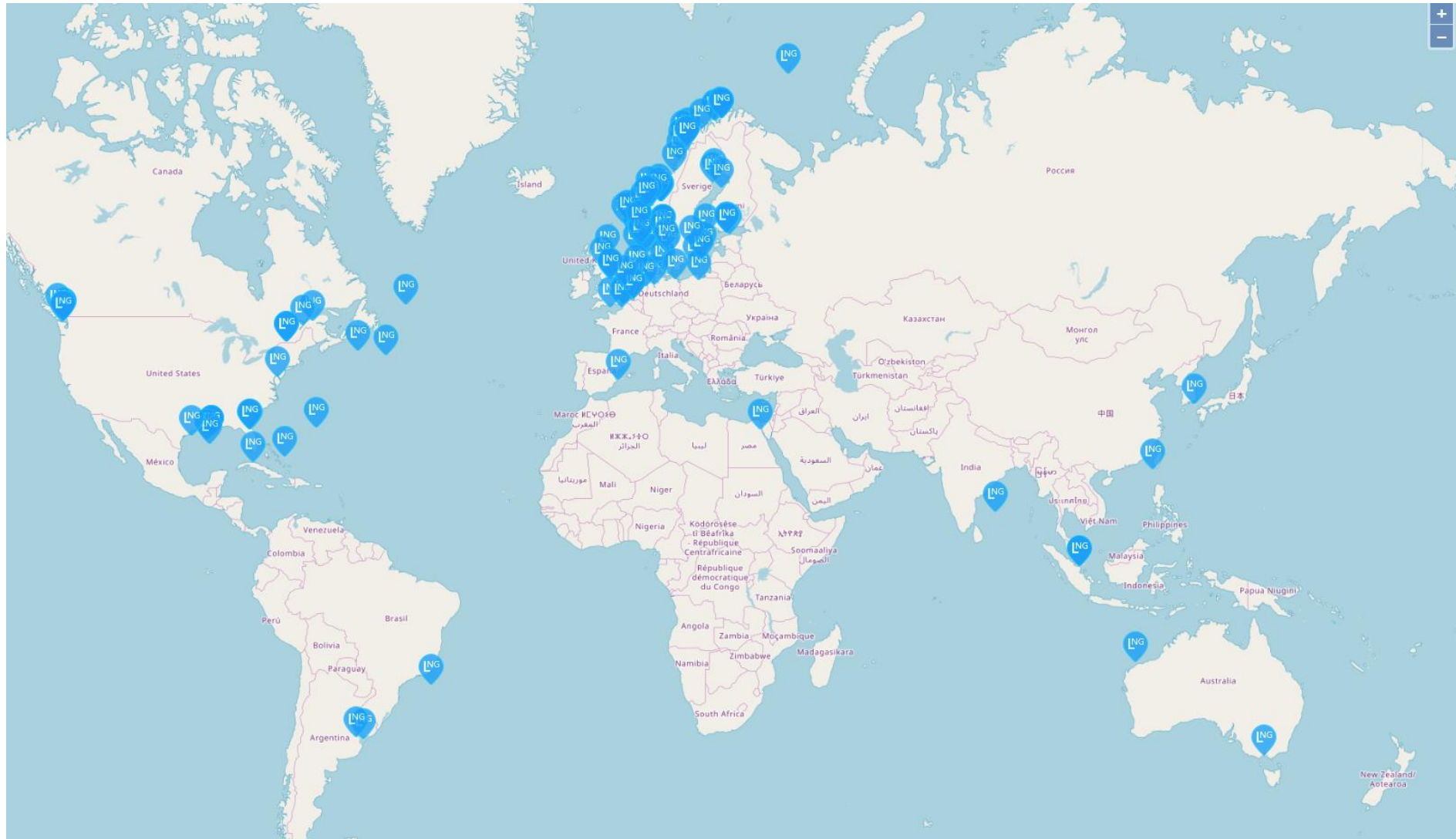
# LNG as a Fuel

Status on the uptake of LNG,

**Jan Talaśka Head of Business Development DNV GL Poland**

29 January 2019

# LNG fuelled ships are already covering a large area



# LNG bunkering infrastructure is being developed to supply the growing fleet

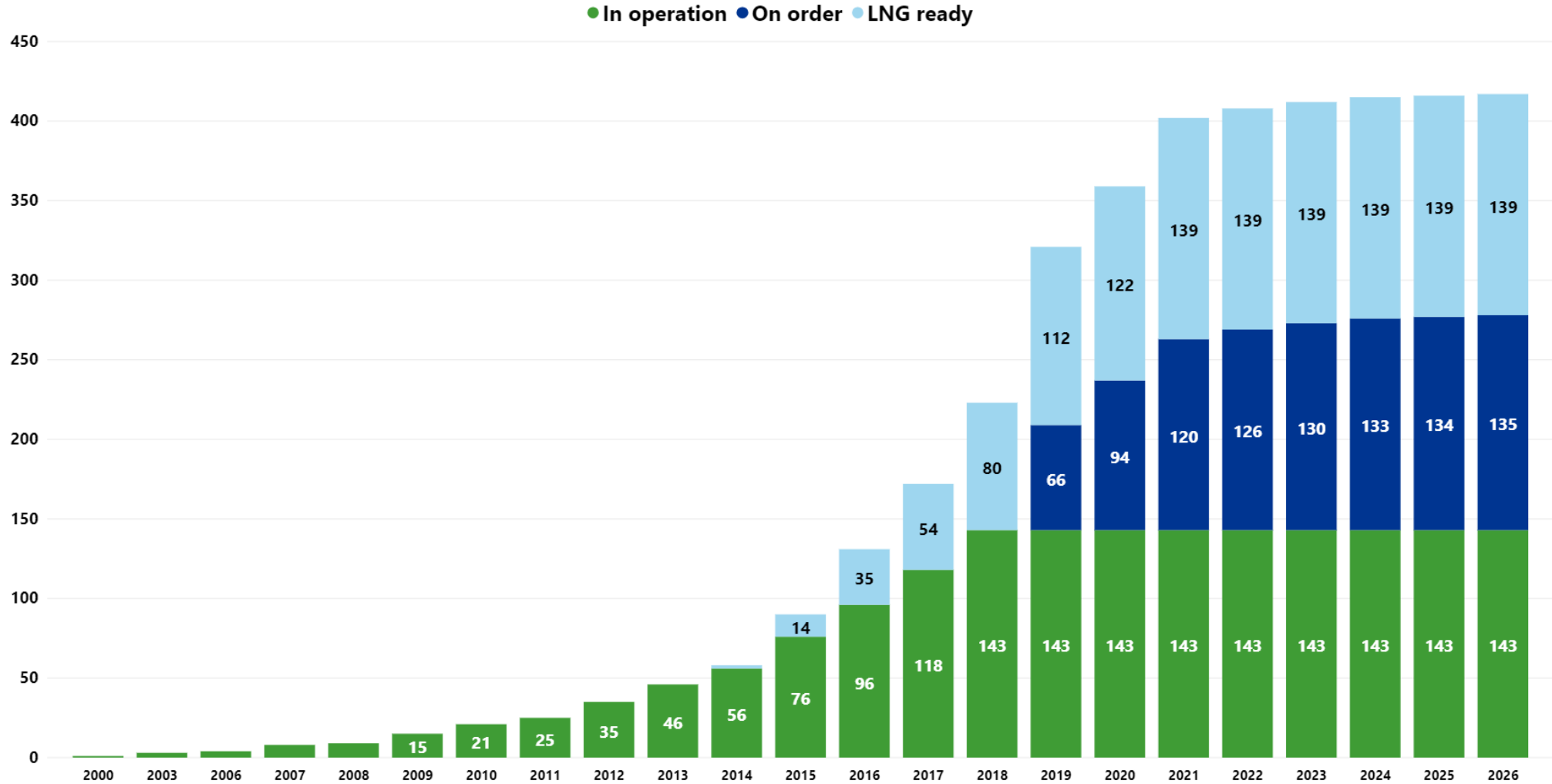


# There are currently 278 confirmed LNG fuelled ships, and 139 additional LNG ready ships

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YEARLY DEVELOPMENT OF LNG FUELLED FLEET

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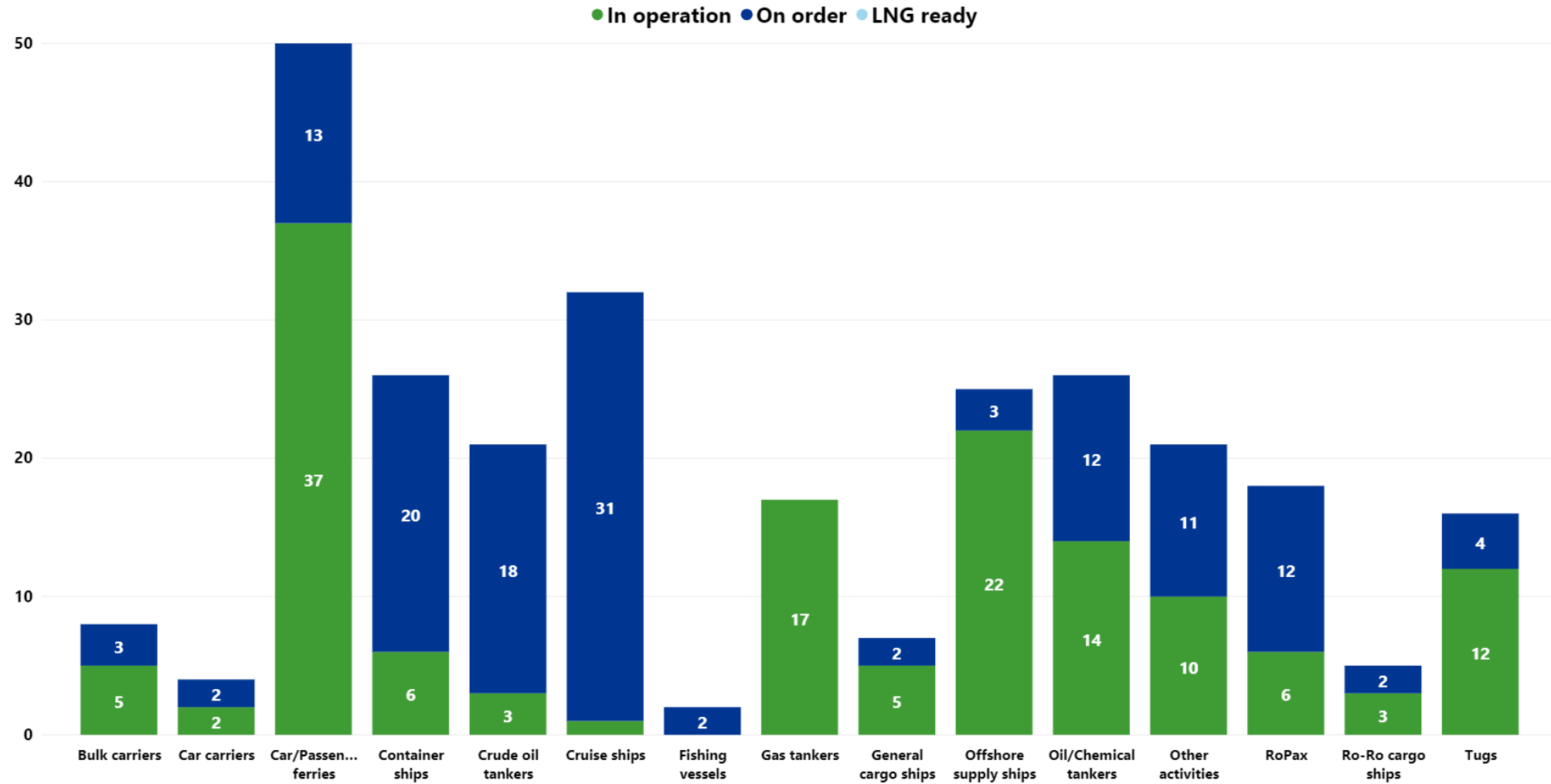


# LNG fuelled fleet by vessel type

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LNG FUELLED FLEET BY SHIP TYPE

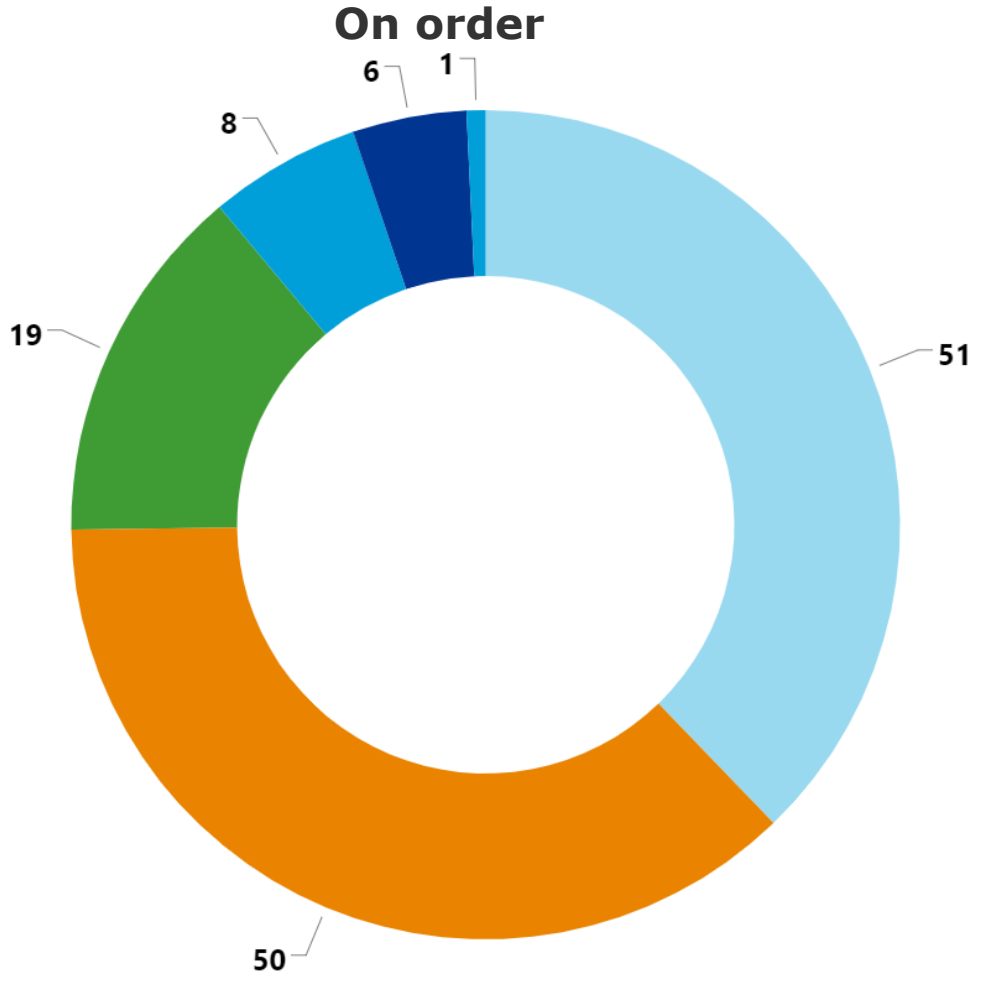
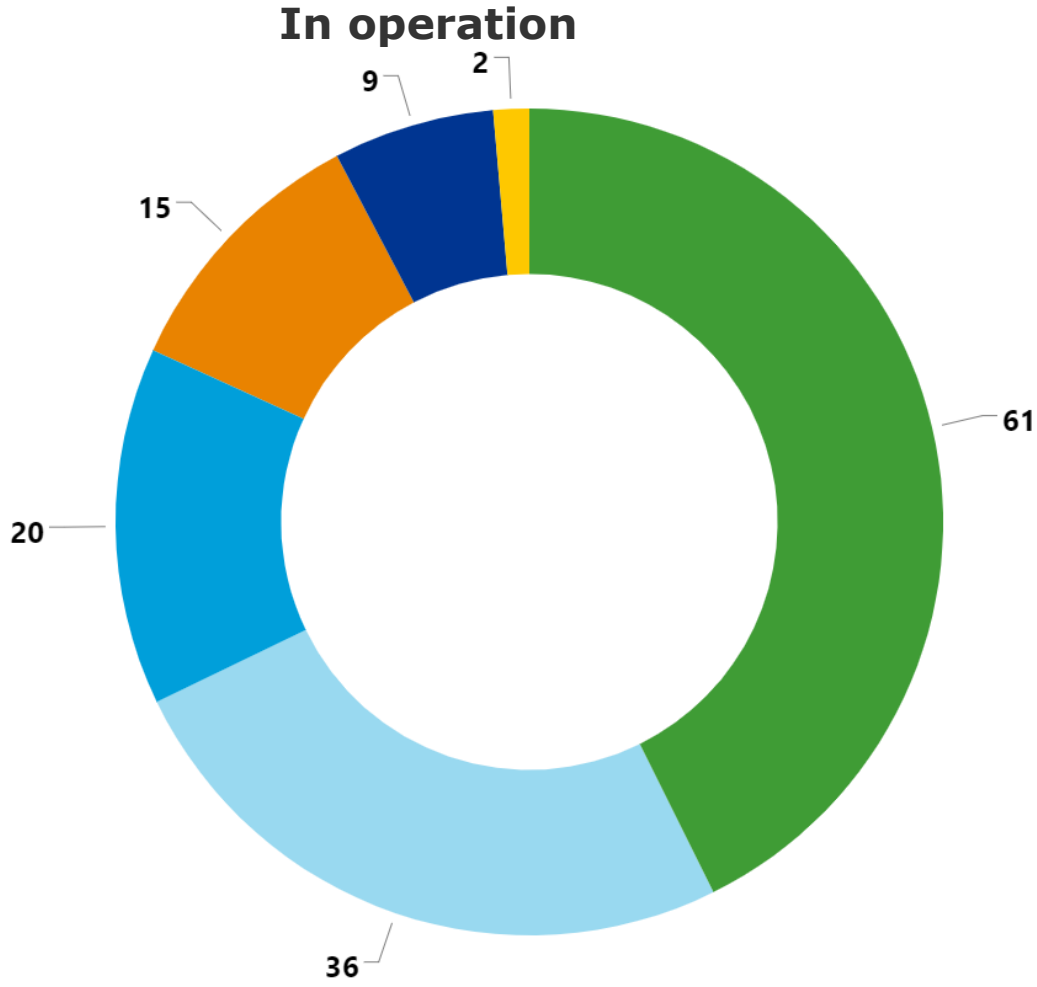
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# Area of operation for LNG fuelled ships

- Norway
- Europe
- America
- Global
- Asia
- Oceania

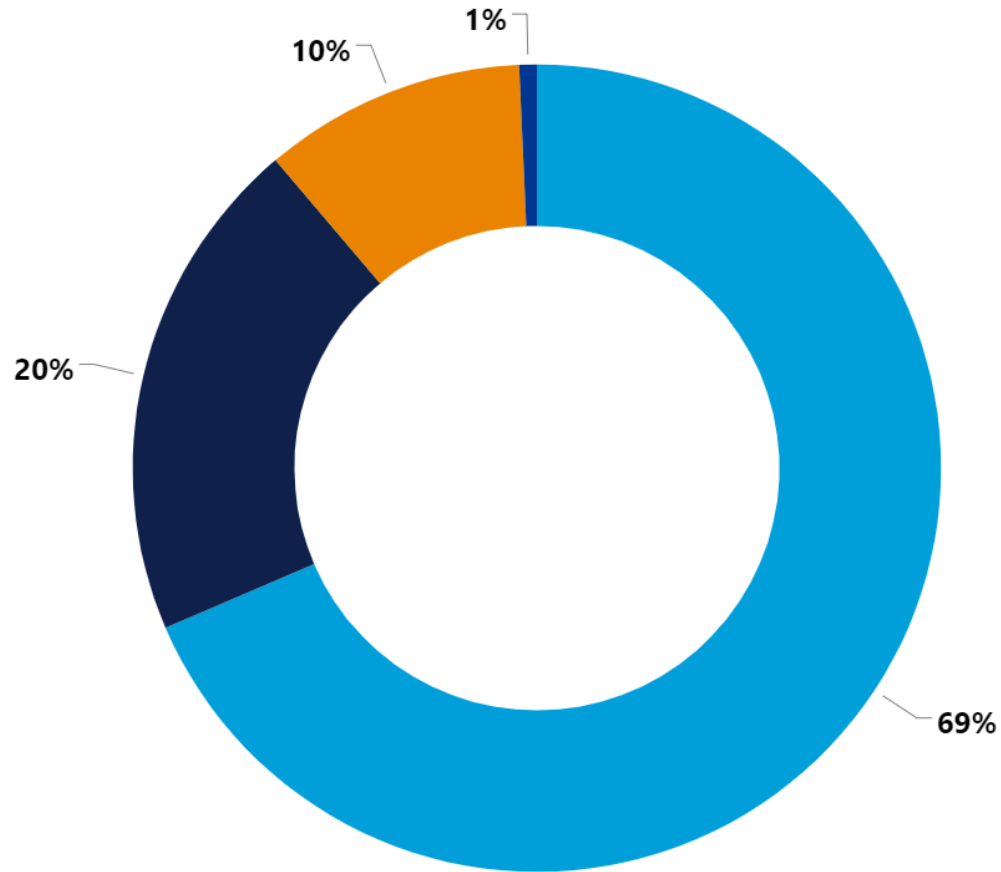
- Europe
- Global
- Norway
- America
- Asia
- Middle East



# All gas engine concepts are in use for ship propulsion

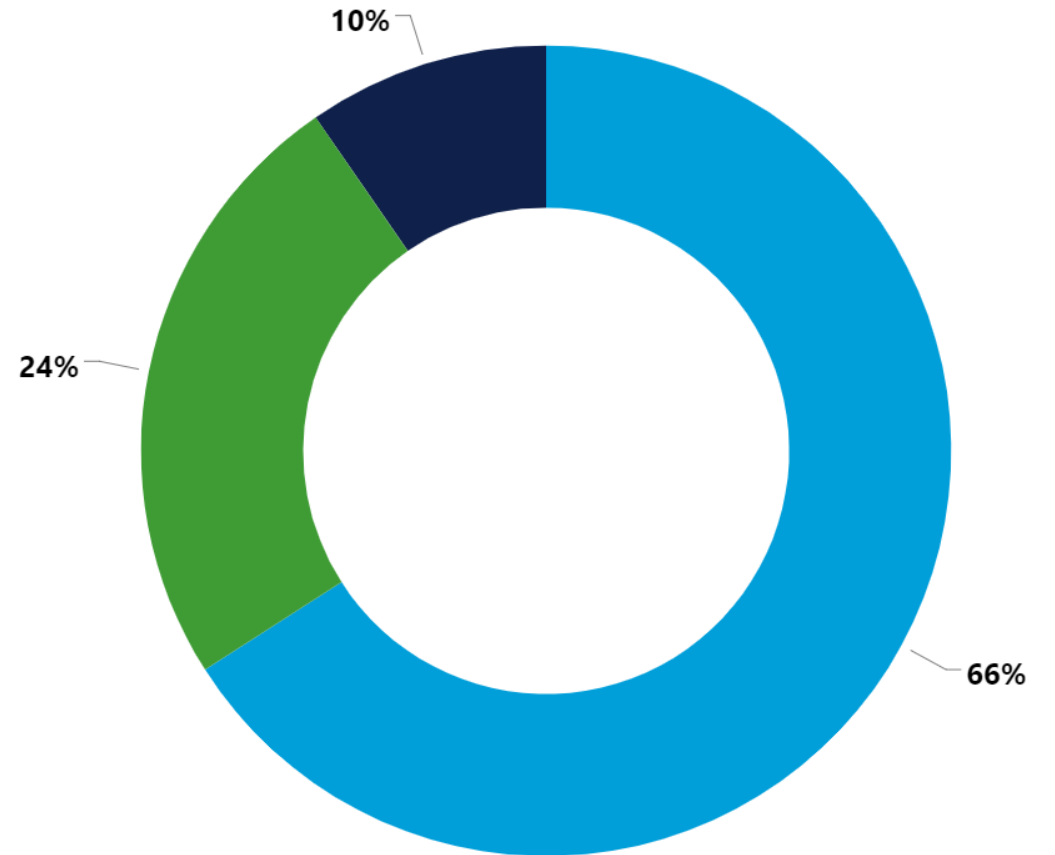
## In operation

● DF ● Pure Gas ● Gas+Diesel ● DF Turbine



## On order

● DF ● Unknown ● Pure Gas

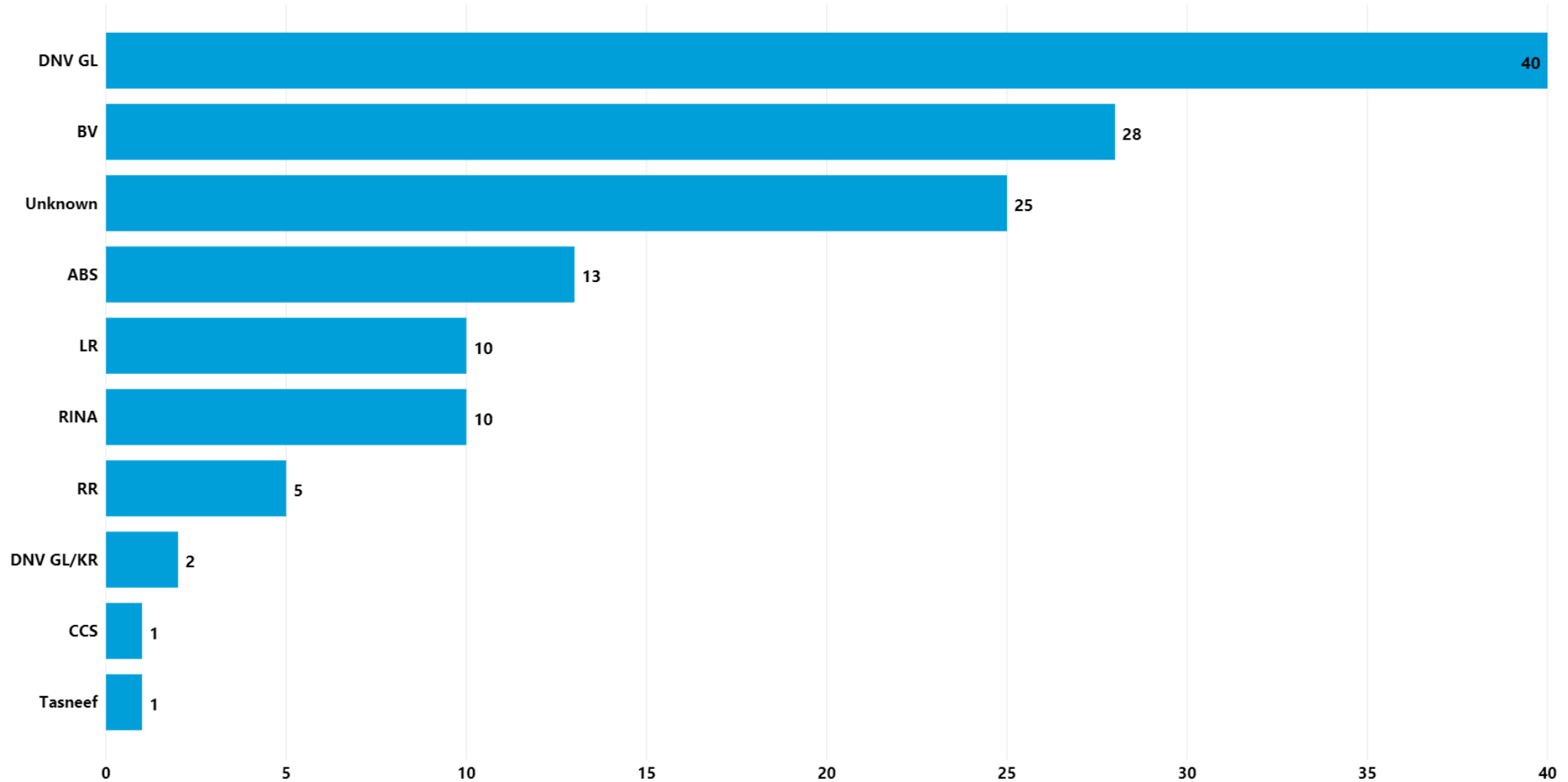


# LNG fuelled ships by classification society

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LNG FUELLED SHIPS BY CLASSIFICATION SOCIETY

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A world map with various icons representing alternative fuels. Blue teardrop-shaped icons labeled 'LNG' are scattered across the map, primarily in Europe, Asia, and the Americas. Green circular icons with a white leaf symbol are placed in North America and Europe. Black circular icons with a white lightning bolt symbol are placed in North America and Europe. The background of the map is a light blue sky with white clouds.

# Alternative Fuels Insight



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