Alternative Fuels Insight

Status on the uptake of LNG

01 August 2019

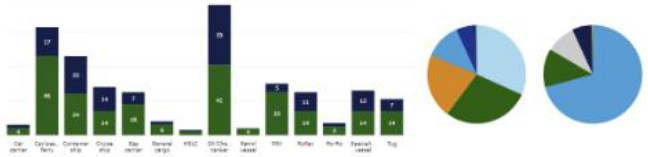
SAFER, SMARTER, GREENER

Welcome to DNV GL's Alternative Fuels Insight platform

Map

Explore the development of bunkering infrastructure for alternative fuels. You can also see where ships using alternative fuels and technologies are already operating.

Statistics



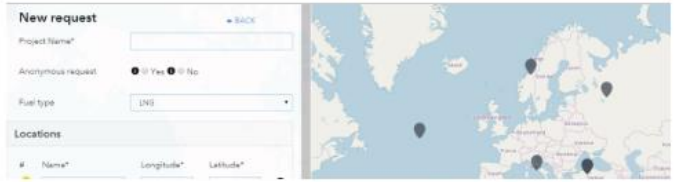
Get detailed insights to the uptake of alternative fuels and technologies on ships. Filter on ship types, region, technology and more to create your own graphs.

Supporters

The AFI platform is made possible by co-funding from our supporters.

They include industry pioneers and market leaders who see the importance of alternative fuels in the maritime industry. Here you can learn more about them and get in touch with their experts.

Fuel Finder

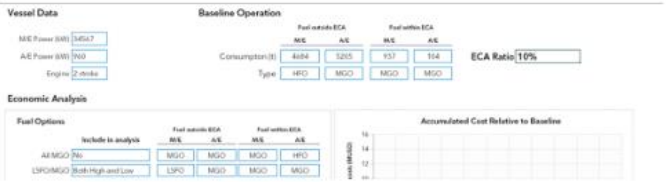


Connect instantly with suppliers of alternative fuels by submitting your own bunker request.

Encyclopedia

Learn more about the properties of a wide range of alternative fuels and technologies.

Fuel Selector



Compare the financial performance of LSFO, HFO with scrubber, LNG, LPG and methanol for your ship. Use DNV GL's assumptions or apply your own to calculate lifecycle costs, payback time and

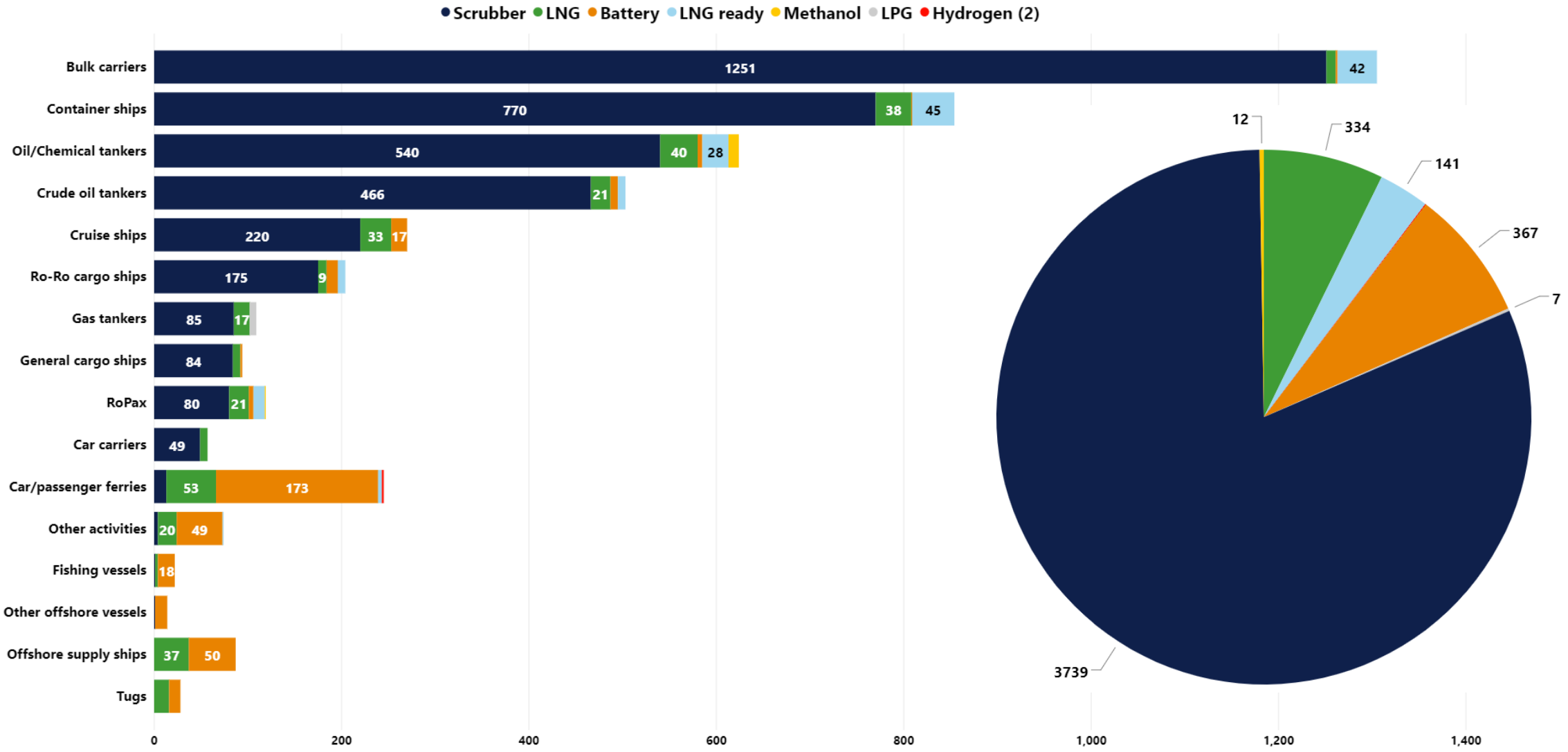
Alternative Fuels Insight (AFI)
The maritime industry knowledge hub for alternative fuels

- **A freely available platform** on alternative fuels and technologies
- **Interactive map and statistics** with current status on ship uptake and bunkering infrastructure
- **Fuel Finder** lets ship owners connect with suppliers of alternative fuels for specific projects
- **Encyclopedia** with environmental, technical and financial information on a wide range of fuels and technologies
- **Alternative fuels benchmarking tool** to compare financial performance of alternative fuels for a specific project

AFI enables users to navigate a constantly changing landscape on alternative fuels through comprehensive, up to date and objective information

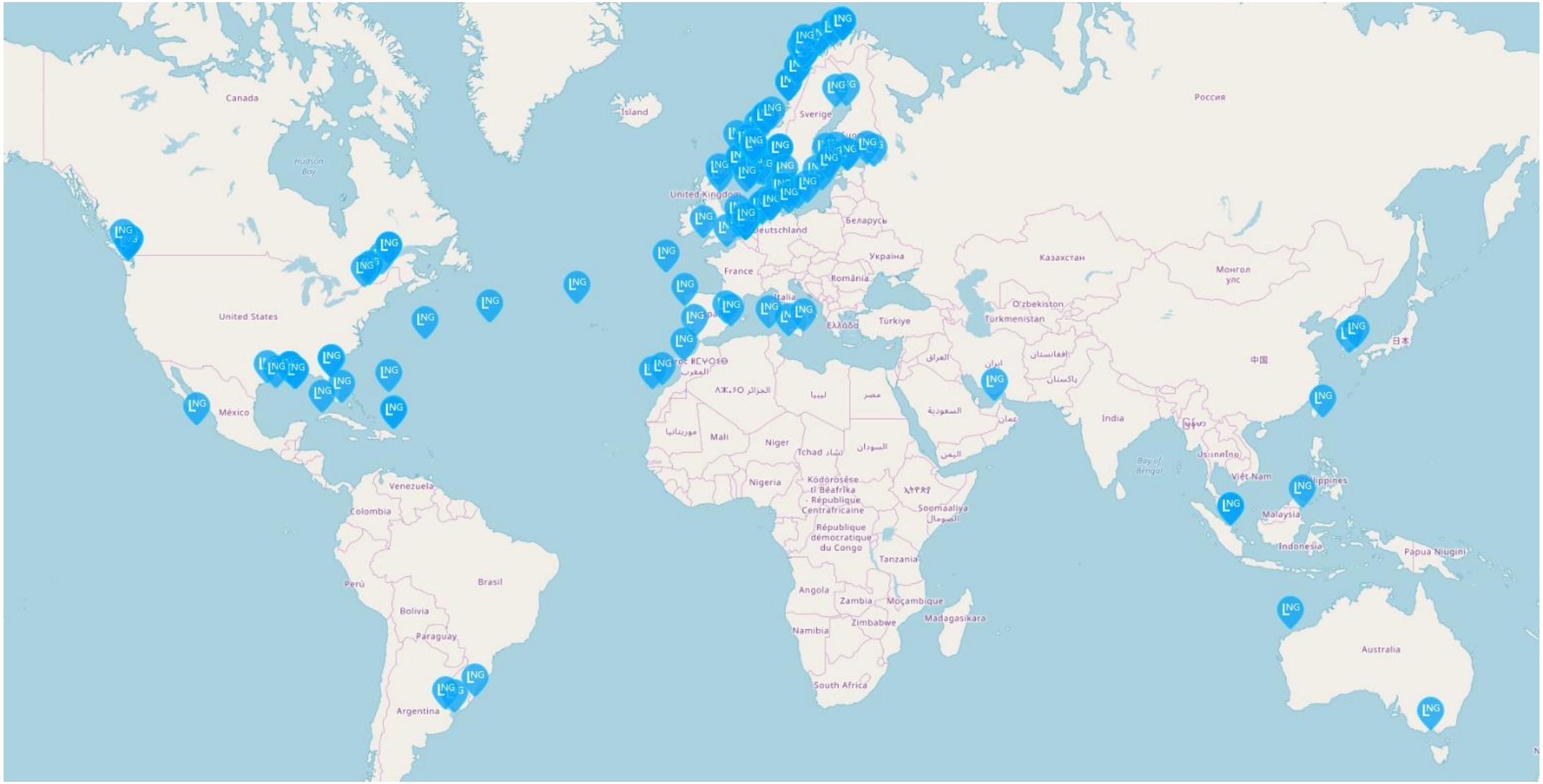
Uptake of LNG fuel and technology
Overview

Total number of ships (in operation and on order)



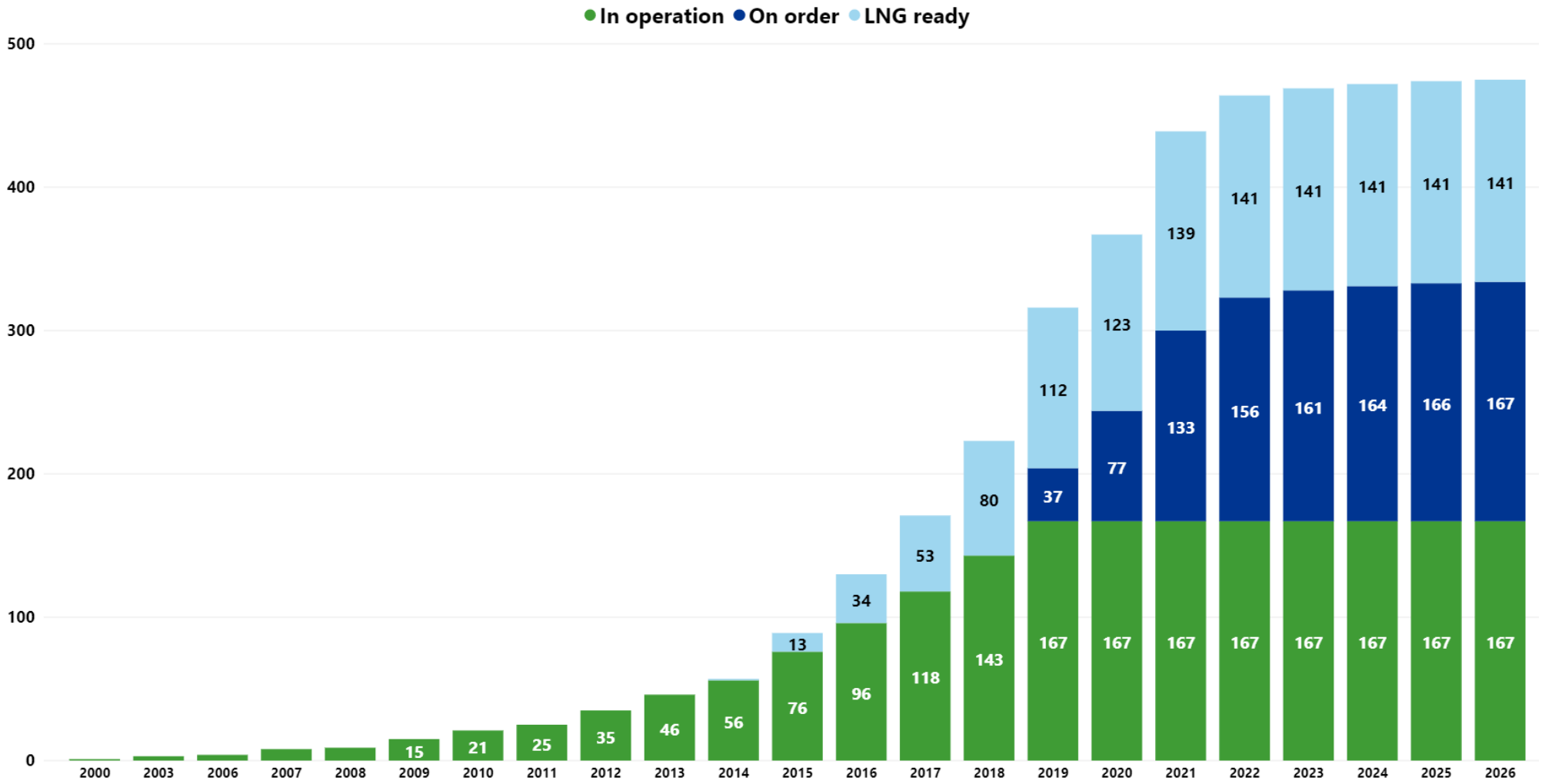
LNG

LNG fuelled ships are already covering a large area



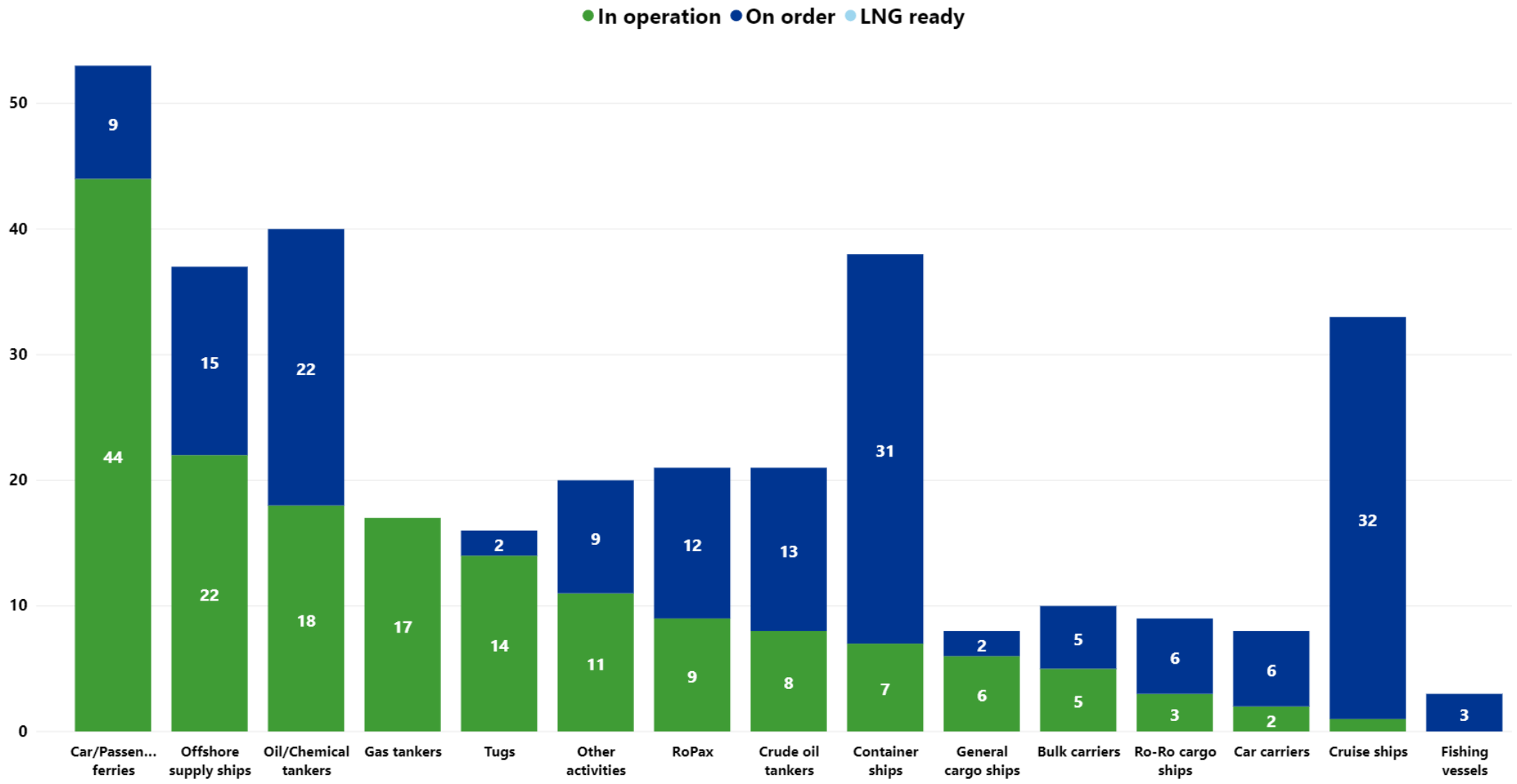
LNG bunkering infrastructure is being developed to supply the growing fleet

There are currently 334 confirmed LNG fuelled ships, and 141 additional LNG ready ships

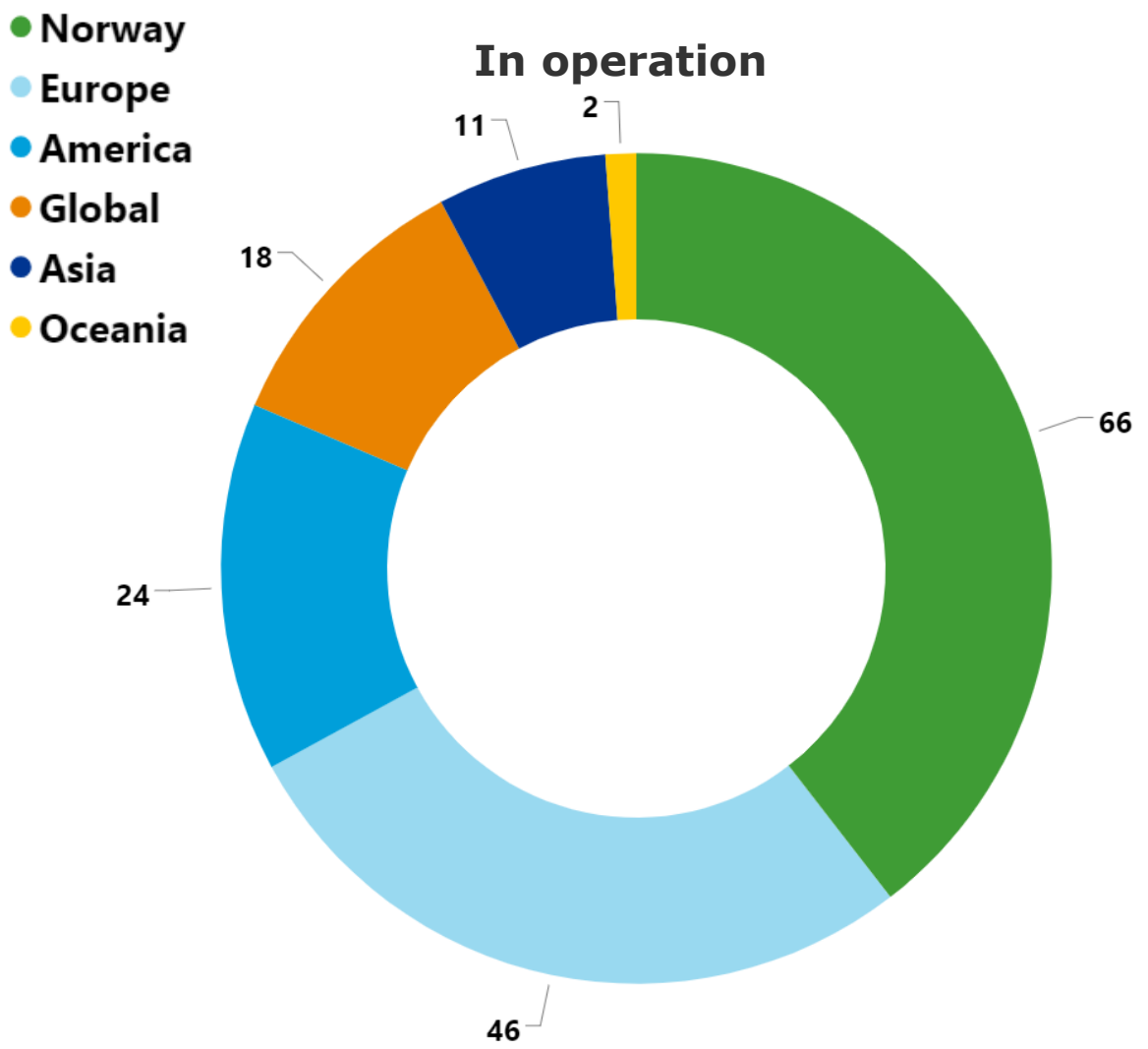


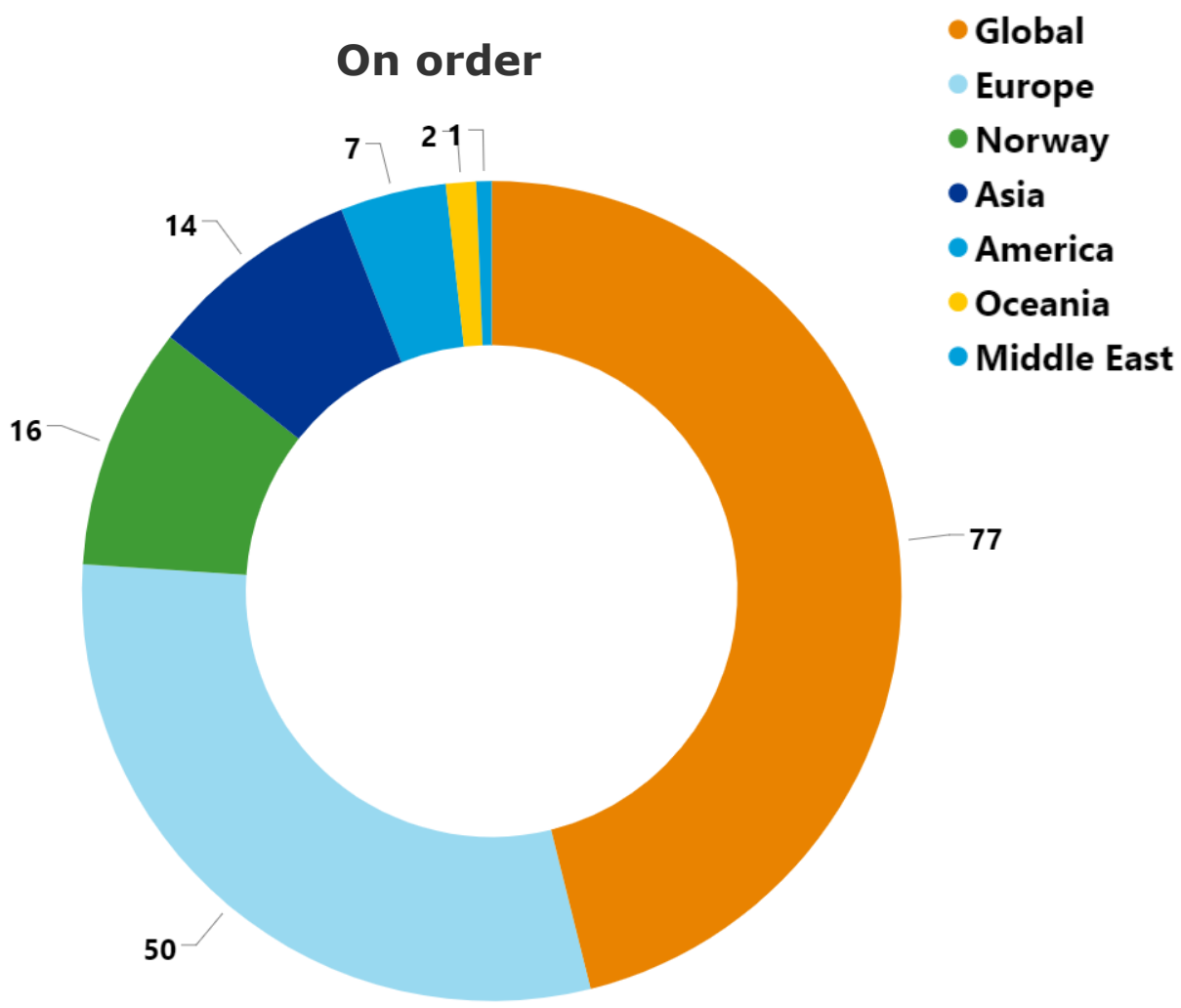
Showing delivery year of existing orders only. Future additional contracts will increase the number of LNG fueled ship deliveries in 2020 and onwards.

LNG fuelled fleet by vessel type

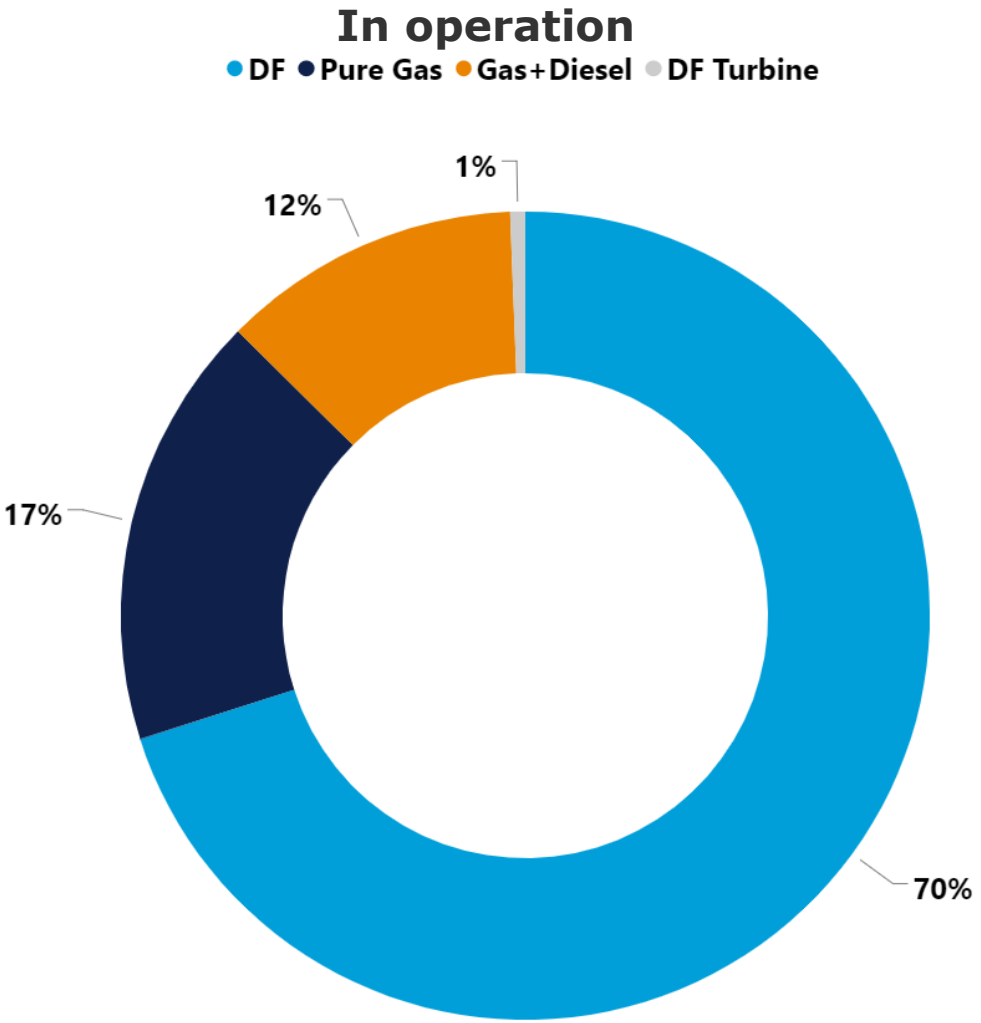


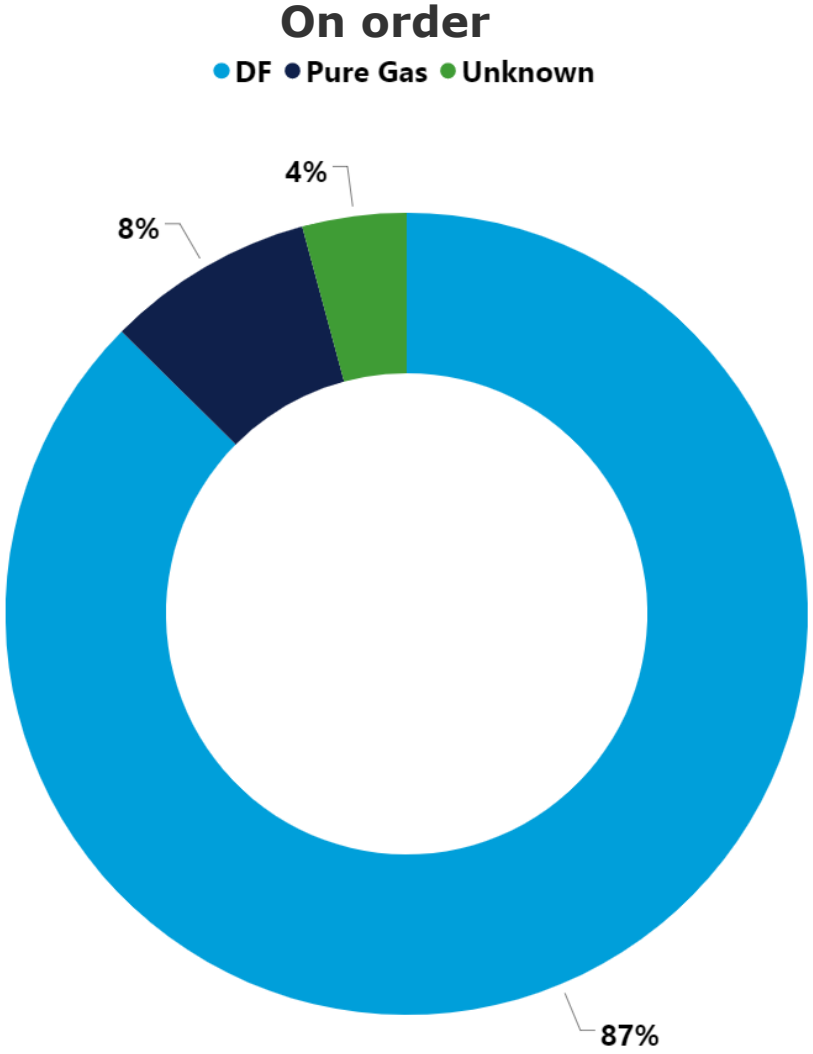
Area of operation for LNG fuelled ships



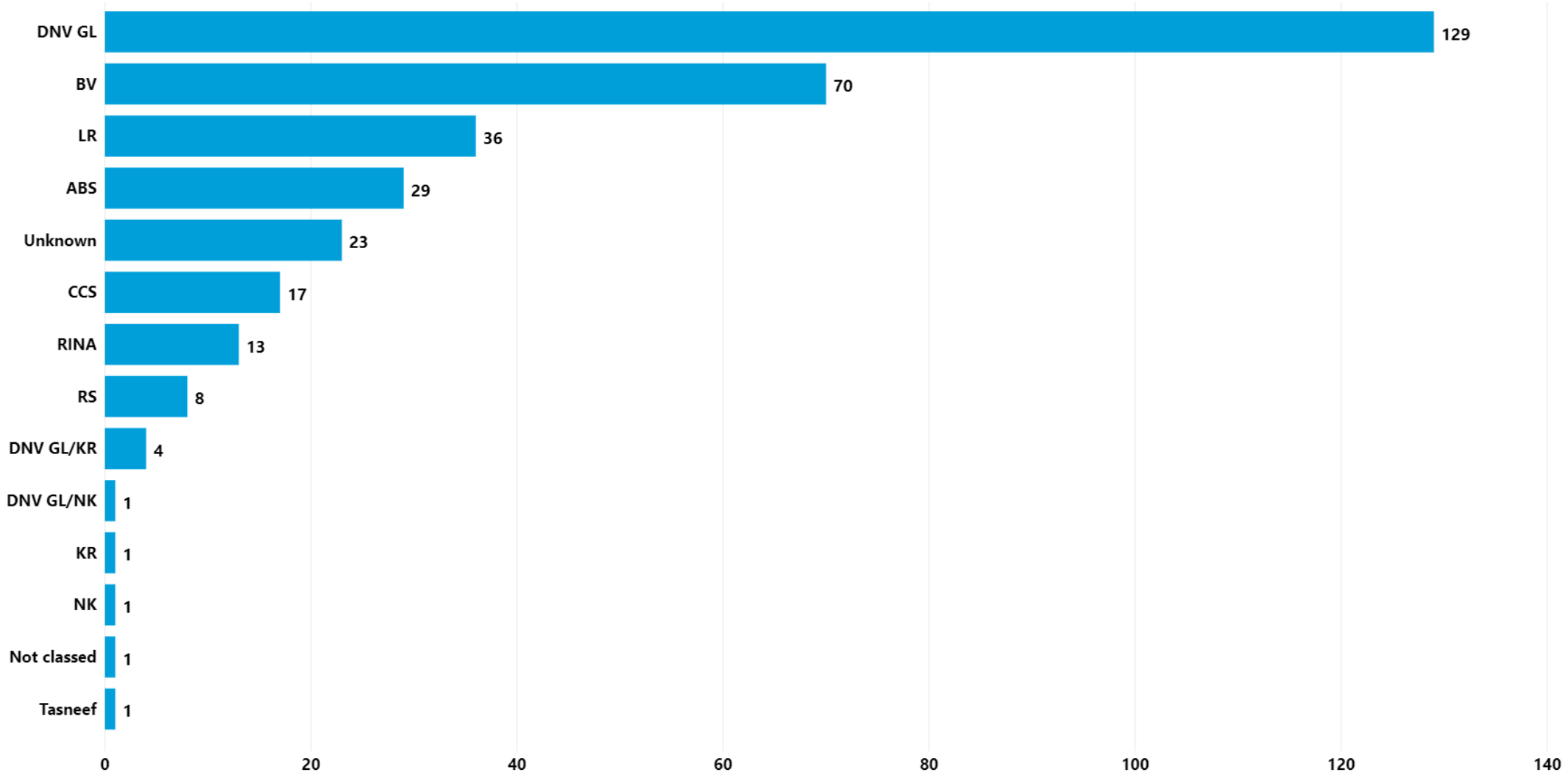


All gas engine concepts are in use for ship propulsion



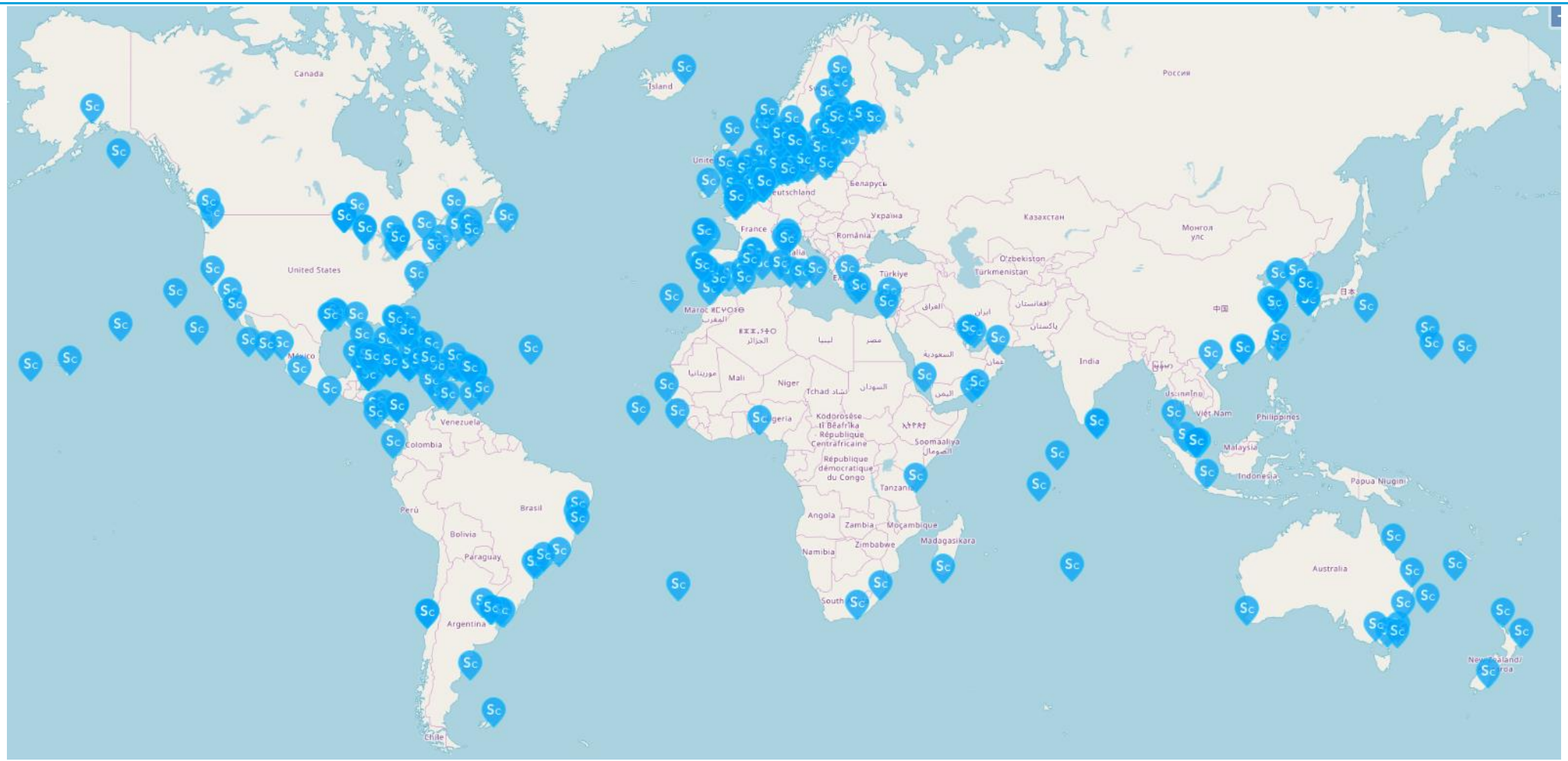


LNG fuelled ships by classification society

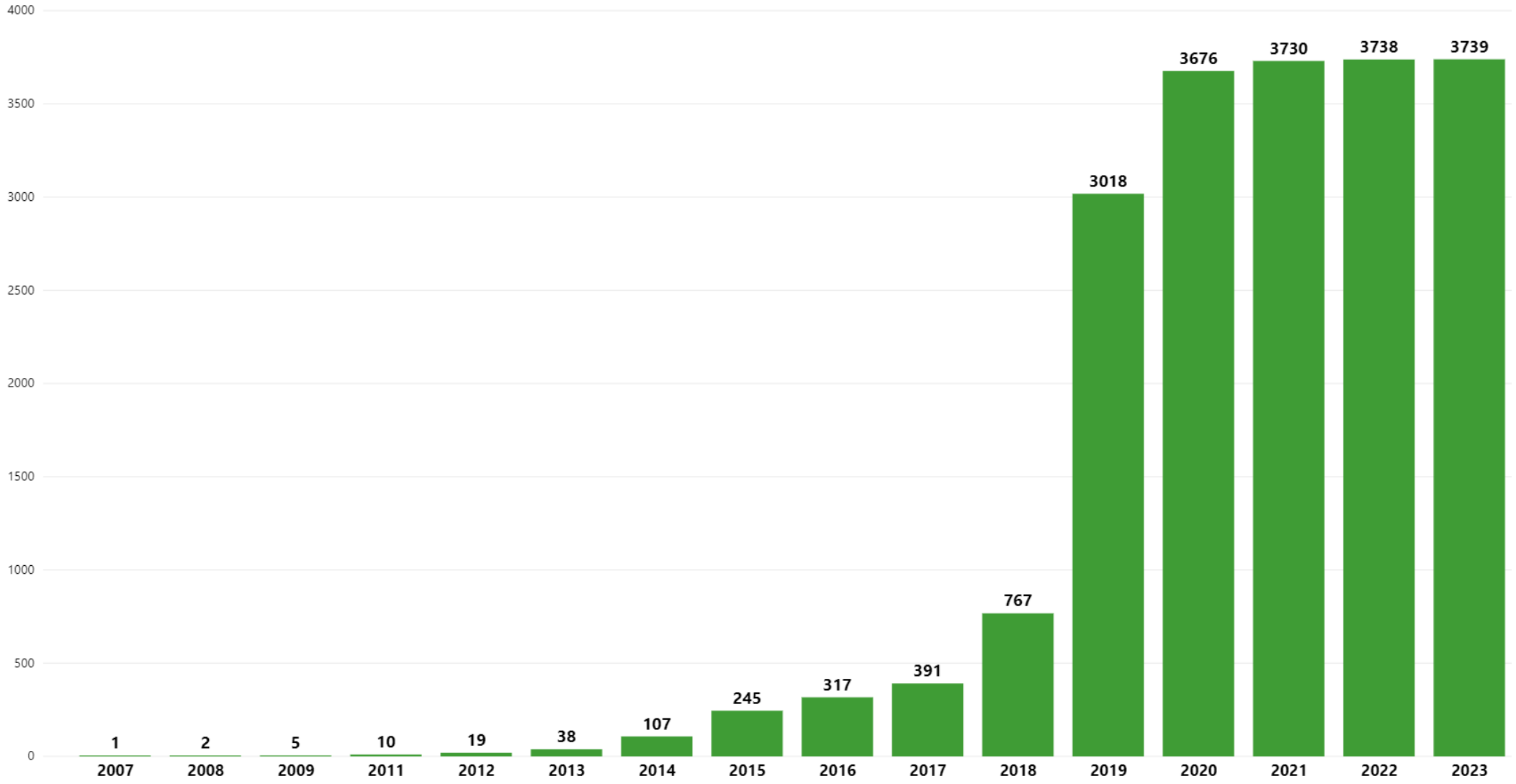


Scrubbers

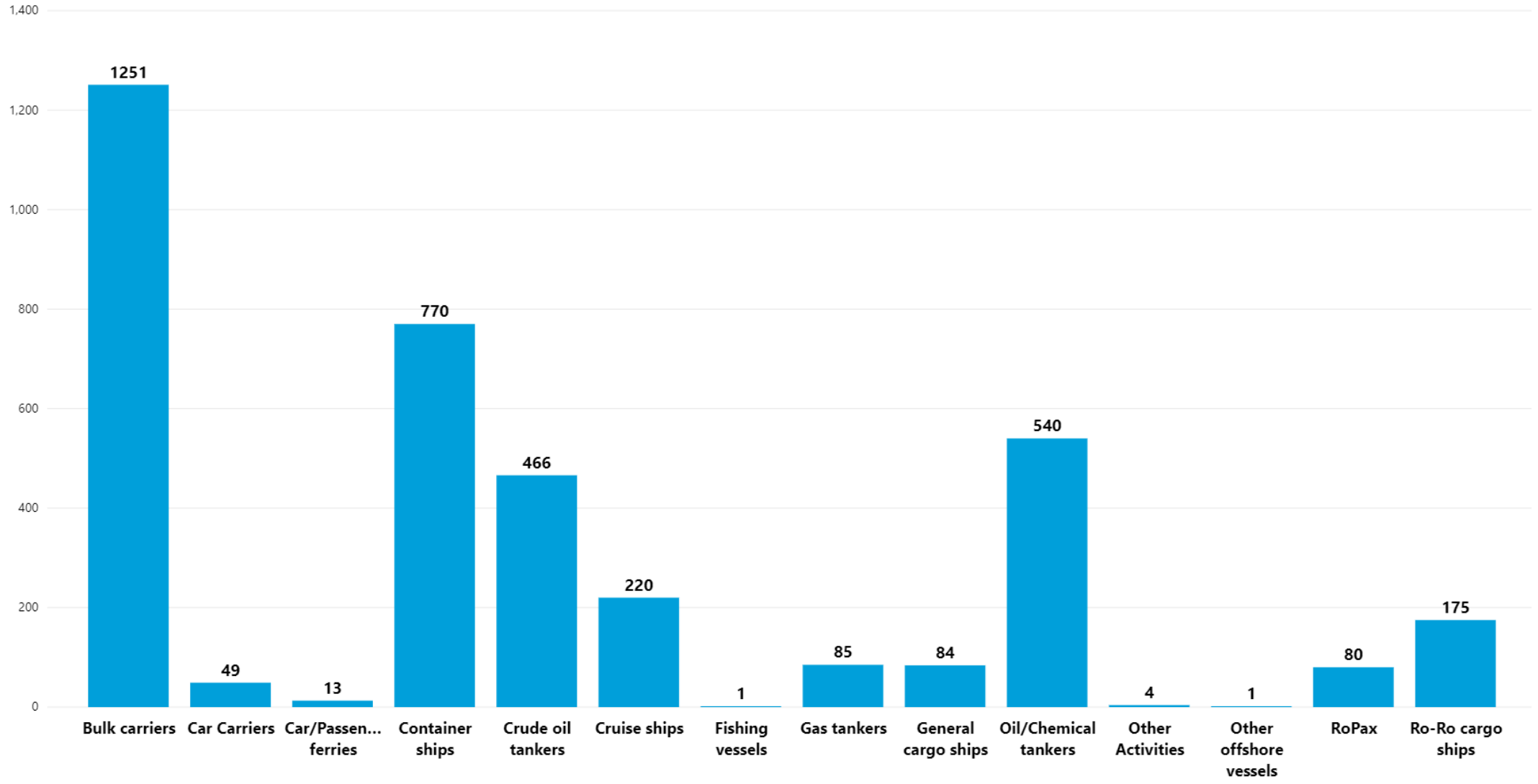
AIS-positions of ships with scrubbers installed



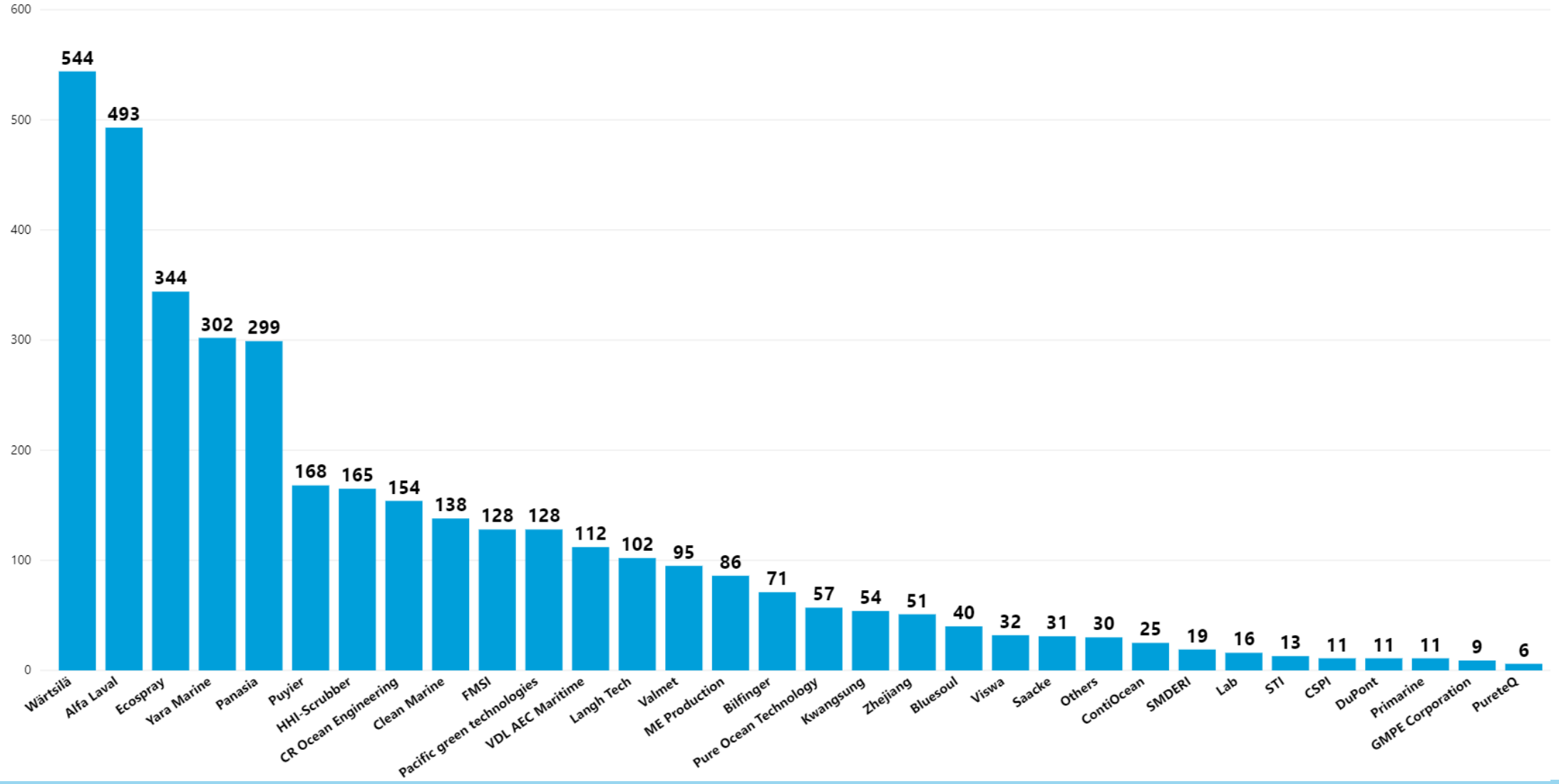
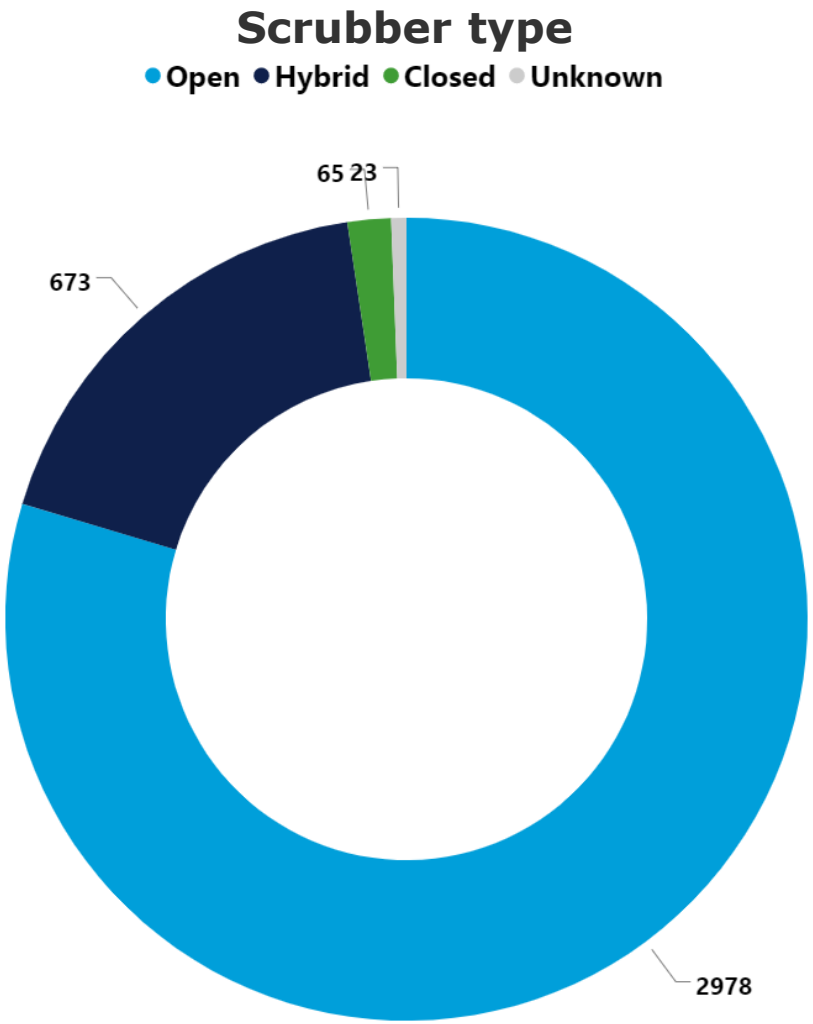
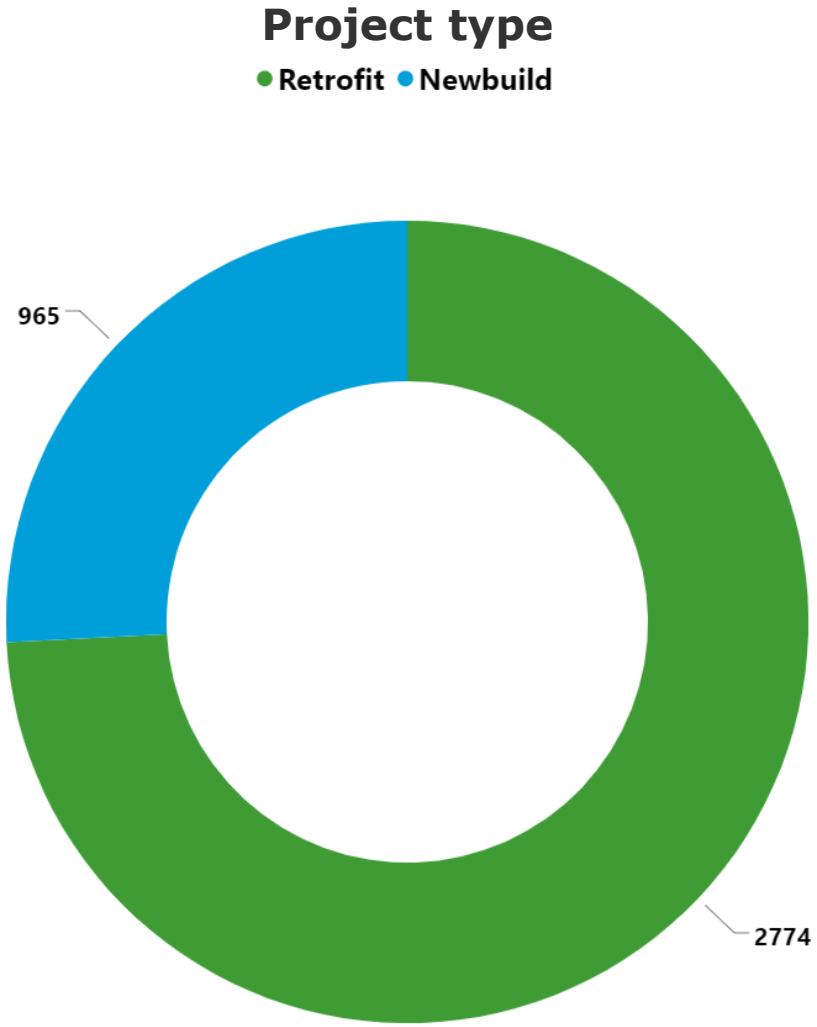
Total number of ships with scrubbers (in operation and on order)



Number of ships with scrubbers installed by ship type (in operation and on order)



Scrubber supplier market share (number of ships)



Scrubber type and Project type (in operation and on order)