





Perspectives from the Norwegian Shipowners' Association

Tom O. Johnsen



SHORT SEA


 ~ 120 ships

 Sailing within Europe



WIND VESSELS


 ~ 30 ships

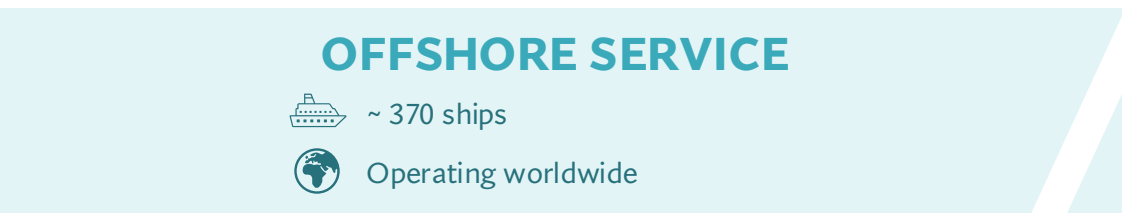
 Operating worldwide




SUBSEA


 ~ 50 ships

 Operating worldwide



OFFSHORE SERVICE


 ~ 370 ships

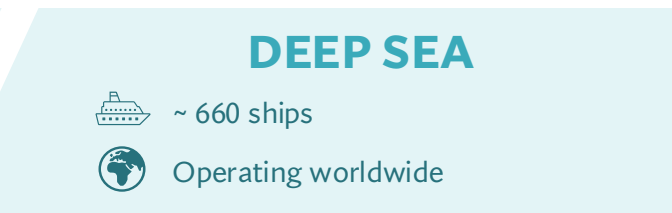
 Operating worldwide



RIGS

 ~ 50 ships

 Operating worldwide



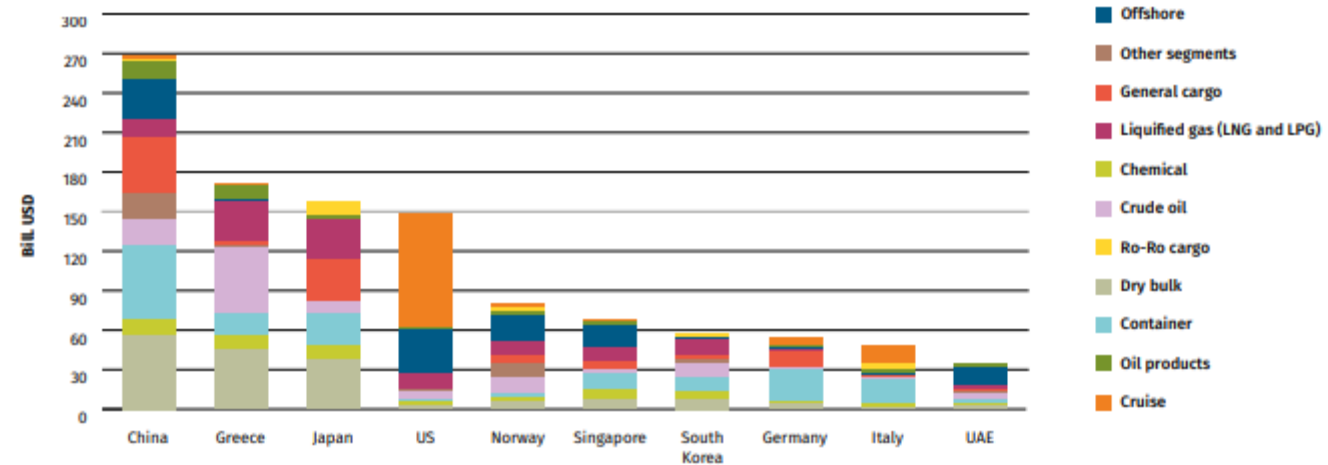
DEEP SEA

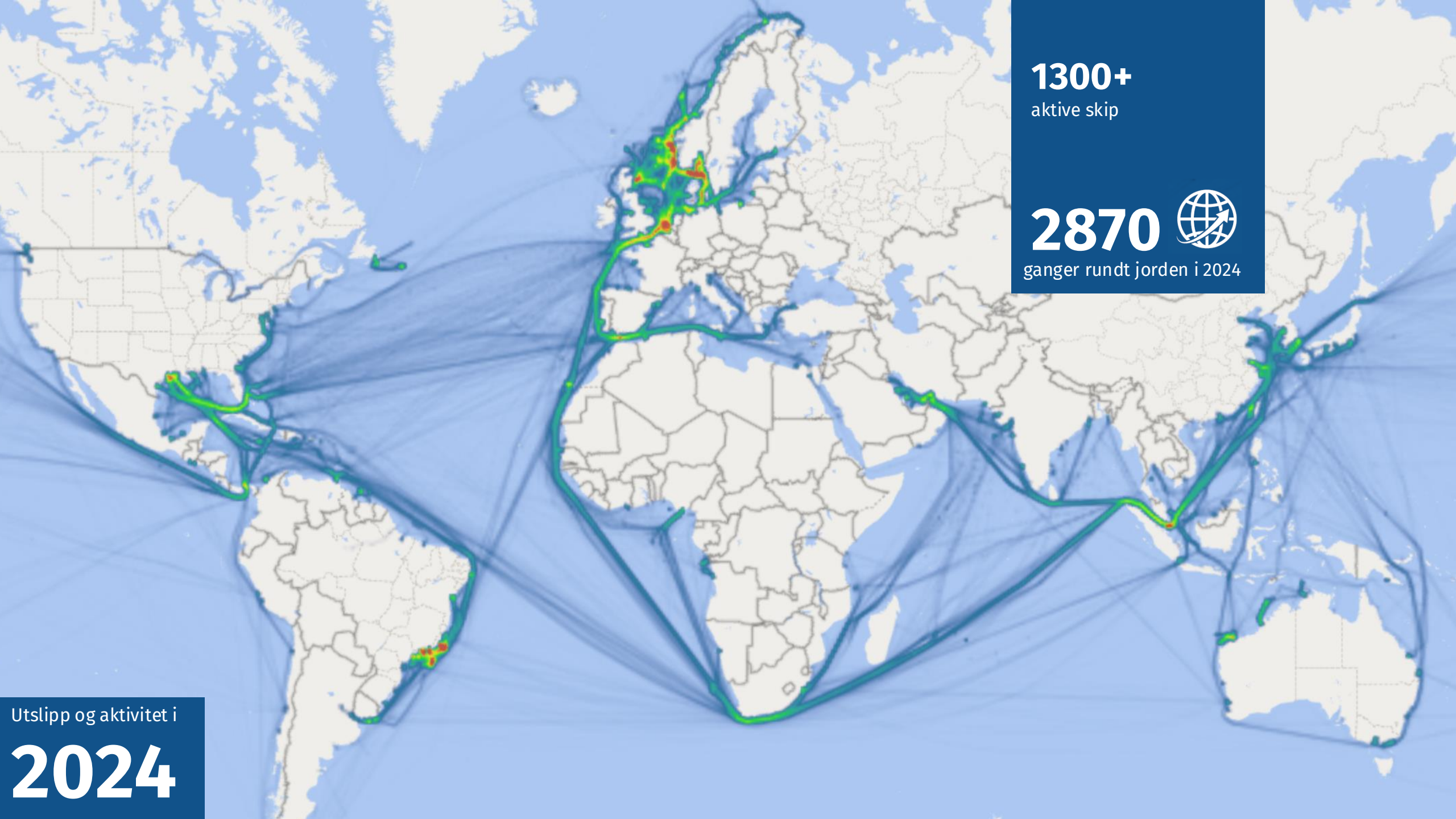
 ~ 660 ships

 Operating worldwide



World's 10 largest shipping nations ranked by fleet value 2025. Bill. USD





1300+
aktive skip

2870 
ganger rundt jorden i 2024

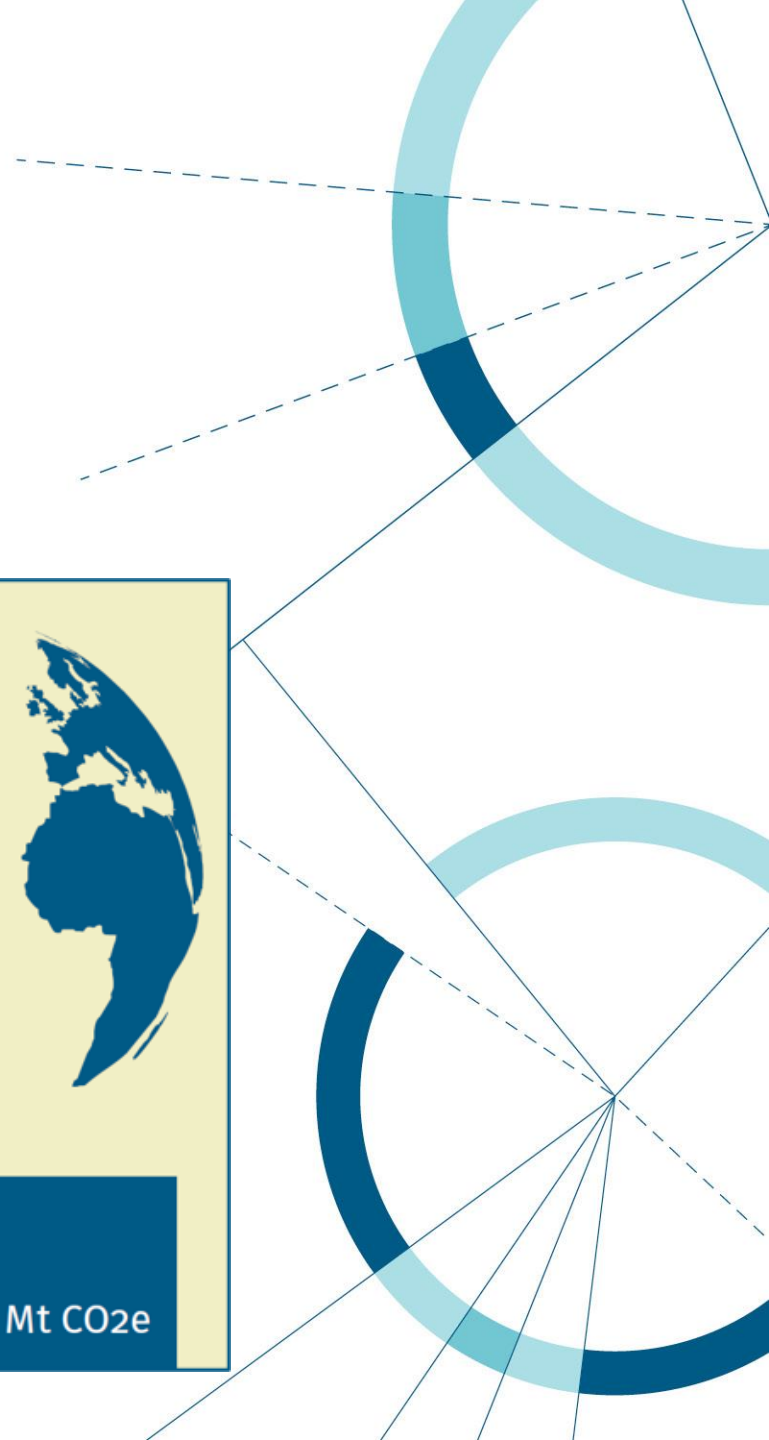
Utslipp og aktivitet i

2024

Our climate ambition

- We supported ETS and we support IMO Net Zero Framework
- We want to halve our carbon intensity by 2030 compared to 2008
- We want a carbon neutral fleet in 2050

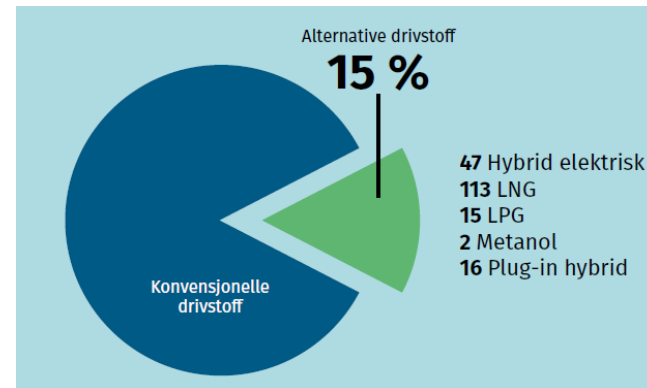
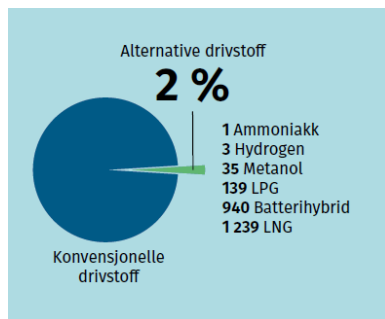




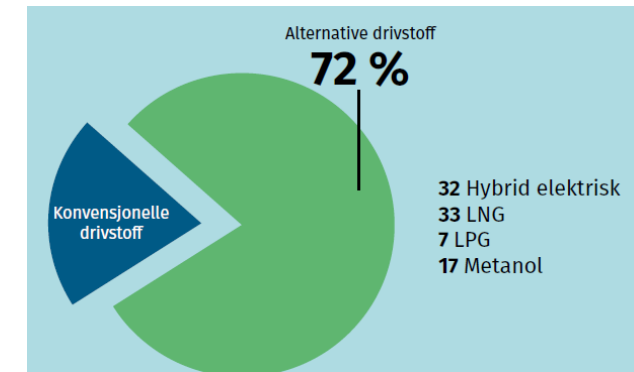
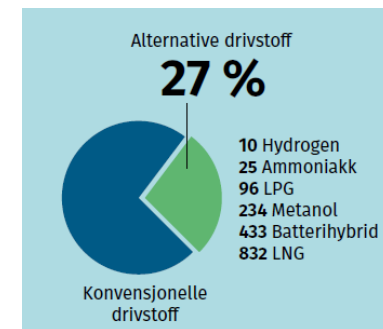
Positive change in the NSA member fleet

UPTAKE OF ALTERNATIVE FUELS

- DNVs *Maritime Forecast to 2050* shows that uptake of alternative fuels in the global fleet is **2 percent**
- In the NSA member fleet, the share is **15 percent**

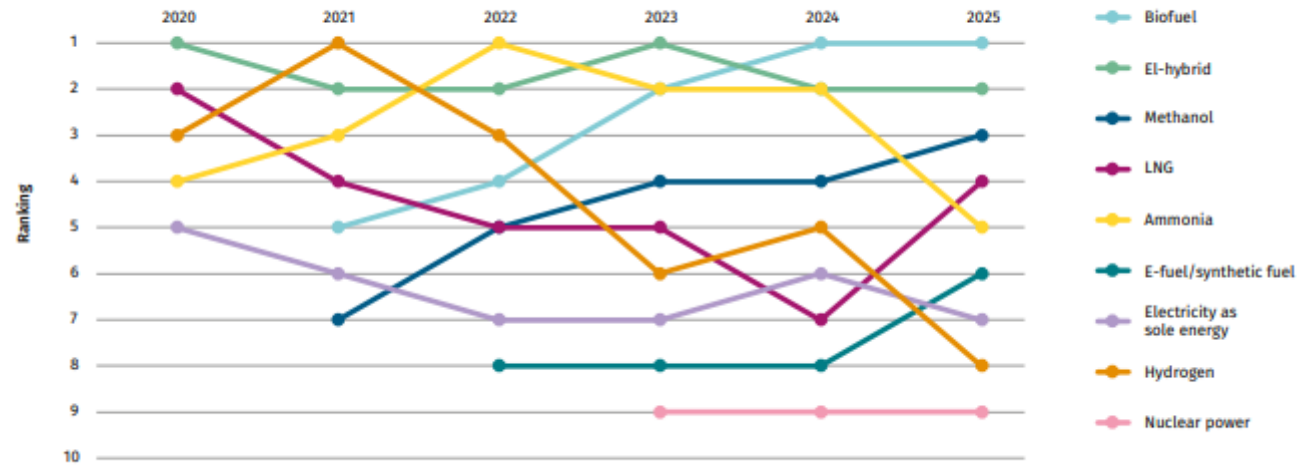


- Among ships on order, the alternative fuels share in the global fleet rises to **27 percent**
- In the NSA member fleet, the share is **72 percent** (89 out of 123 ships)



«The Fuel of the Future»

Fuel types and energy carriers the shipping companies are considering to achieve emission targets by 2050
- ranking over time



Source: BDO AS/Norwegian Shipowners' Association



Odfjell – crossing the Atlantic with wind and biofuels



- **Ship:** Chemical tanker – *Bow Olympus*
Route: Round trip Antwerp – Houston, Texas (April 2025)
Technology: 4 suction sails, each 22 meters high, powered by sustainable biofuel

Results:

- **15–20% improved energy efficiency**
- **5 tons of fuel saved per day**
- **15 tons of CO₂ reduction per day**
- **85% lower GHG intensity – meets 2050 targets today**
- **Estimated annual savings: USD 300,000**
- **Odfjell has ordered sails for three more ships.**

Hurtigruten – MS Richard With. First carbon neutral voyage on the Coastal Route Bergen-Kirkenes

Ship: Cruise ship – *MS Richard With*

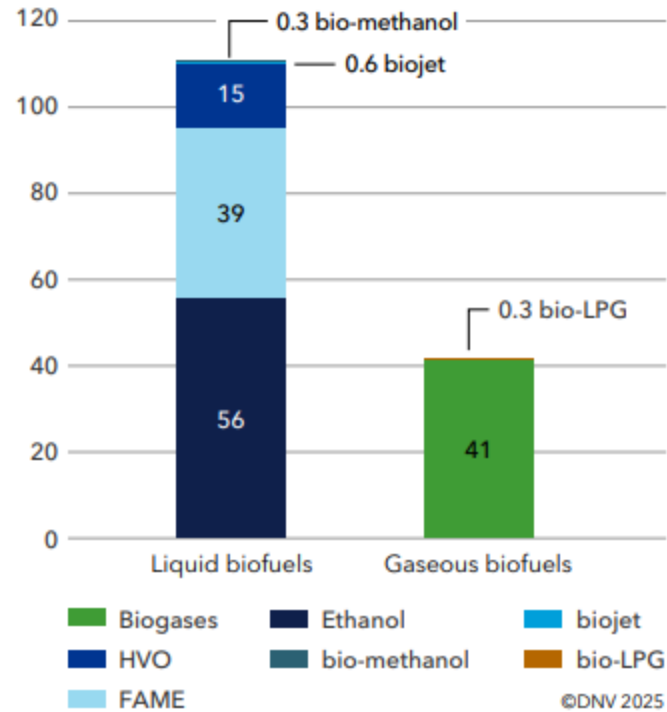
Route: Round trip Bergen – Kirkenes (October 2025)
Technology: Advanced biofuel derived from used cooking oil from the UK, combined with shore power

Result:
At least 90% reduction in greenhouse gas emissions over the full lifecycle perspective



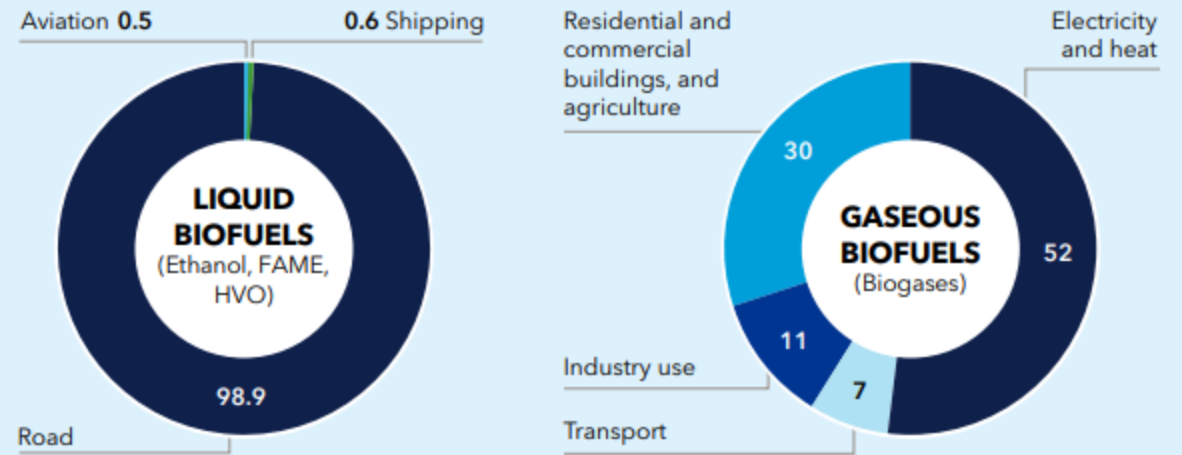
Global supply of biofuels in 2023⁴, based on data from IEA (2024a; 2024b); (GENA Solutions & Methanol Institute, 2024); (Argus Media, 2022)

Units: Million tonnes of oil equivalent (Mtoe)



End-use sectors for liquid biofuels (left) and gaseous biofuels (right) in 2023, based on IEA (2024b)

Units: per cent (%)





Norges
Rederiforbund
Norwegian
Shipowners'
Association