



Gothenburg – Frederikshavn

As a green shipping corridor

Magnus Lander - Copenhagen Dec 3rd 2024

Stena Line in numbers



6,100
employees



20 ferry routes
6 owned ports



40 vessels
33,300 yearly sailings



360+
energy saving
projects



2.1
million freight
units



1.8
million cars



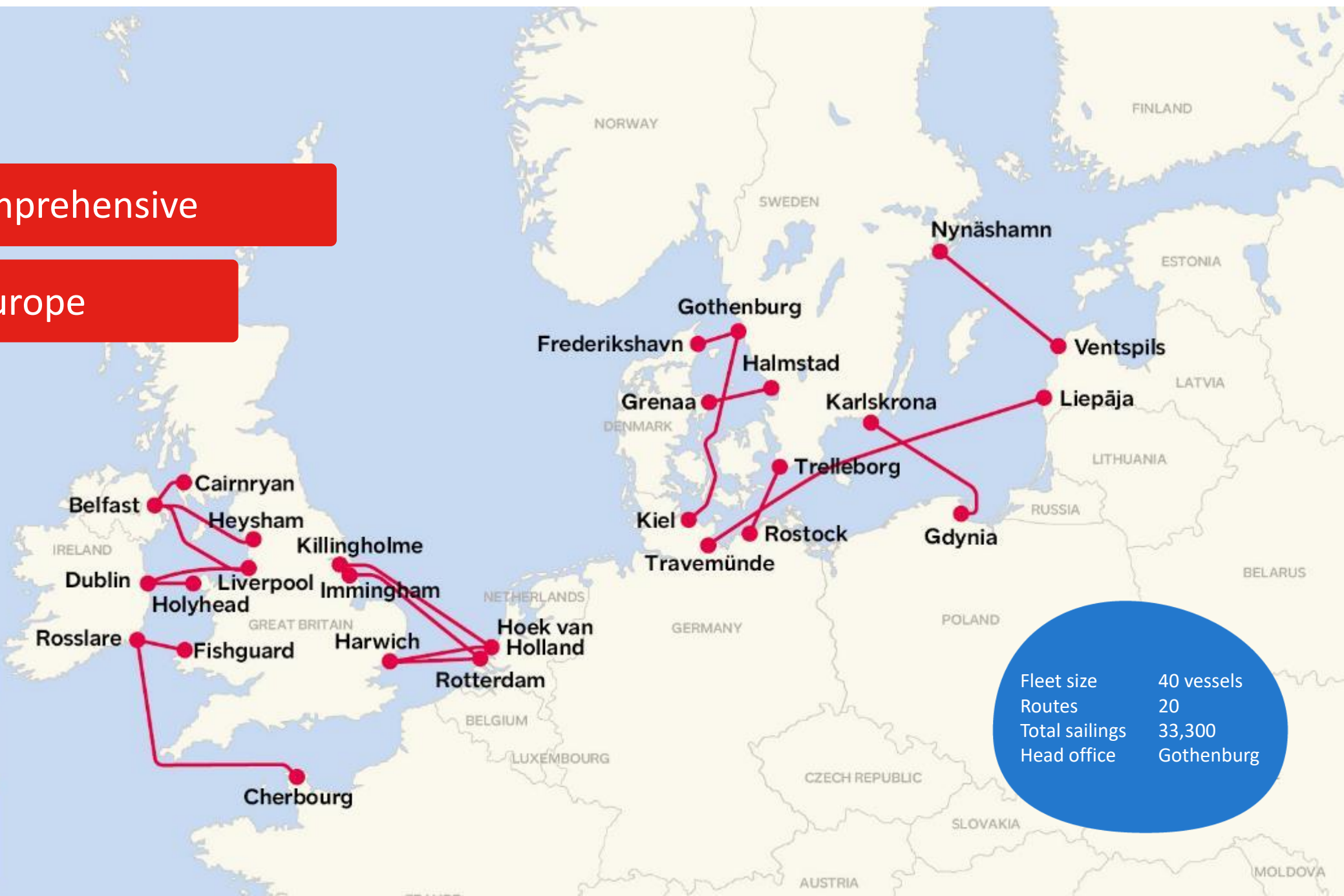
6.5
million guests



19
billion SEK
in turnover

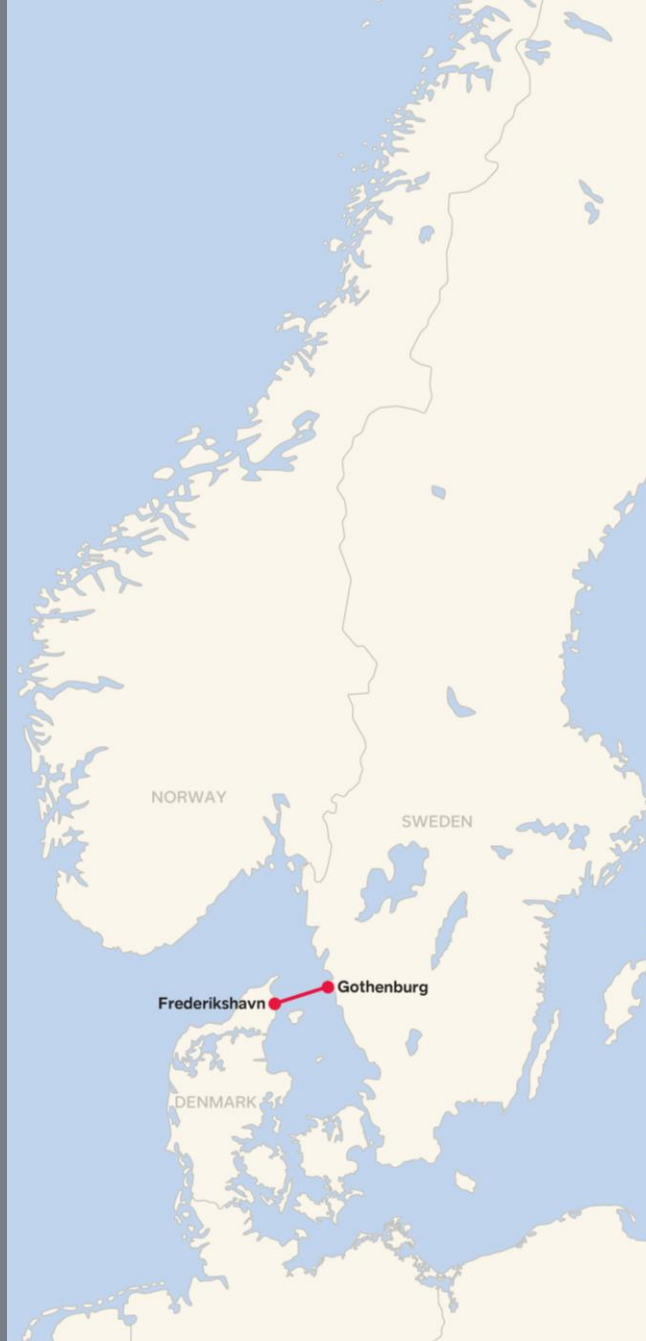
The most comprehensive

network in Europe



GOT-FRE service

- Stena initiated the shipping RoPax concept and has operated the service between Gothenburg and Frederikshavn for more than 50 years
- Today two RoPax ferries operates the 40+ NM service
- In recent years, a few concept studies for the service have been performed focusing on e.g., electrification and hydrogen
- Stena Line introduced methanol at the Gothenburg – Kiel service already in 2015

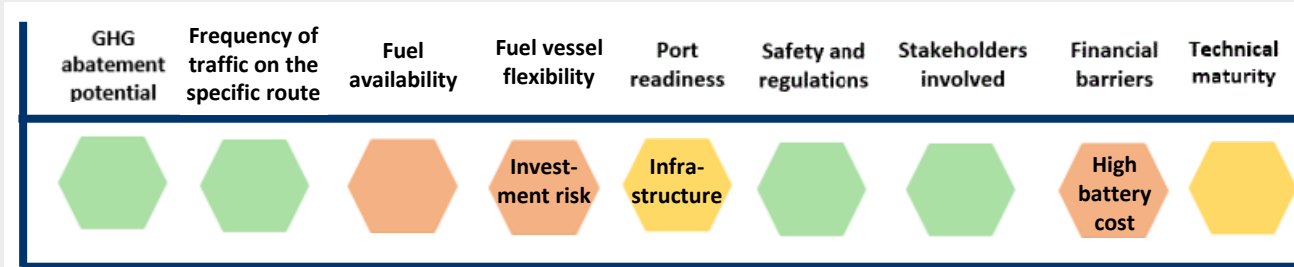


Nordic Roadmap Pilot aim:

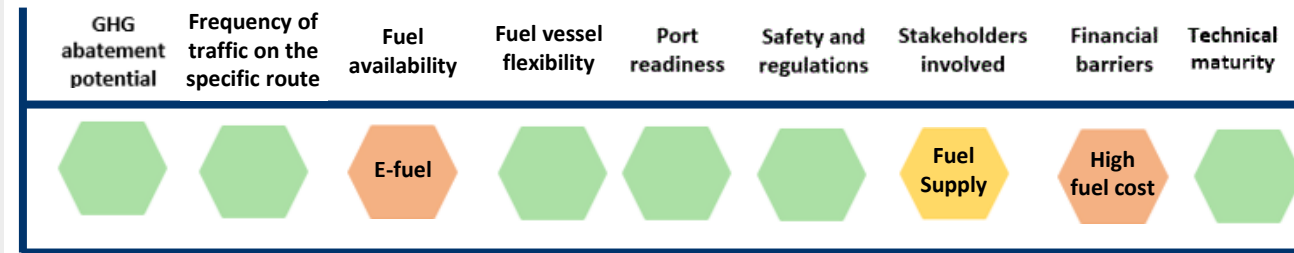
- Identify key barriers and next steps to turn the Gothenburg-Frederikshavn ferry route into a green shipping corridor by promoting the most relevant fuel and propulsion solutions to be introduced in the near to mid-term.

Key barriers for turning the Gothenburg-Fredrikshavn ferry route into a green shipping corridor:

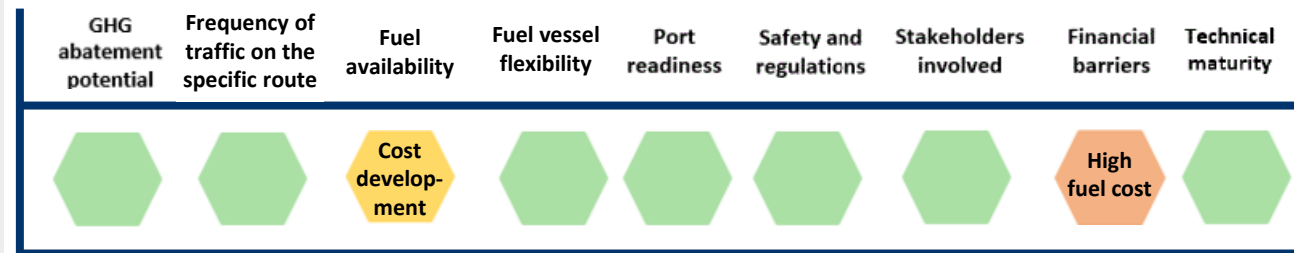
Electricity



Methanol



Biofuel



Main barriers / challenges

- High investment
- Economical risk - Uncertain second market value
- Power capacity

- Green methanol availability
- Fuel cost

- Biofuel availability
- Fuel cost

In cooperation with others

Stakeholders involved include: Port of Frederikshavn, Port of Gothenburg, Fuel and energy suppliers ...

Stena Line with the ambition to introduce a **green shipping** corridor will:

- **Develop technical and on-board / land-based solutions** for energy storage, propulsion, ship design
- **Cooperate** with relevant stakeholders and **contribute to common solutions**
- Make the necessary **investments**
- **Stepwise transition** of the fleet



Society and others needs to:

- Establish level playing field and enabling the introduction of green shipping corridors in the Nordic region
- Risk sharing mechanisms for investments
- Policies for closing the cost gap
- Support build-up of green marine fuel production capacity as well as sufficient power supply in ports

Stena Line green shipping corridor Roadmap

- Proceed with and continue development of different fuel and propulsion solutions
- Stepwise transition of the fleet
- Frontrunner in the transition of Nordic shipping



Thank you!