Swedish Road Ferries

part of Swedish Transport Administration



Our Mission

Färjerederiet shall provide and develop sea route traffic with road ferries, as well as operate and maintain ice roads.

But why?





The Hönö route

5 ferries, 4 million passengers per year

The Högsäter route

35 000 passengers per year, 75 meters long, no specific timetable, the ferry leaves when there are customers waiting.





68 ferries

800 employees



120 mEUR annual turnover

13 000 000

vehicles



Our Challenges

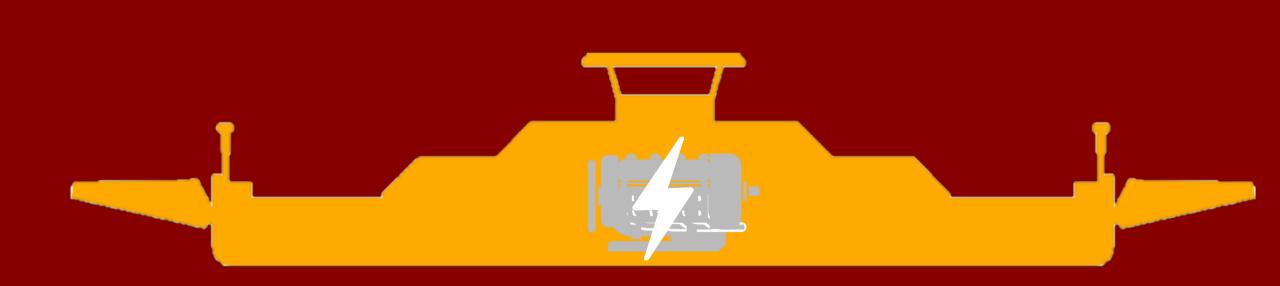
- An aging fleet
- Unique vessels no two are alike
- Severe shortage of qualified seafarers
- The climate challenge



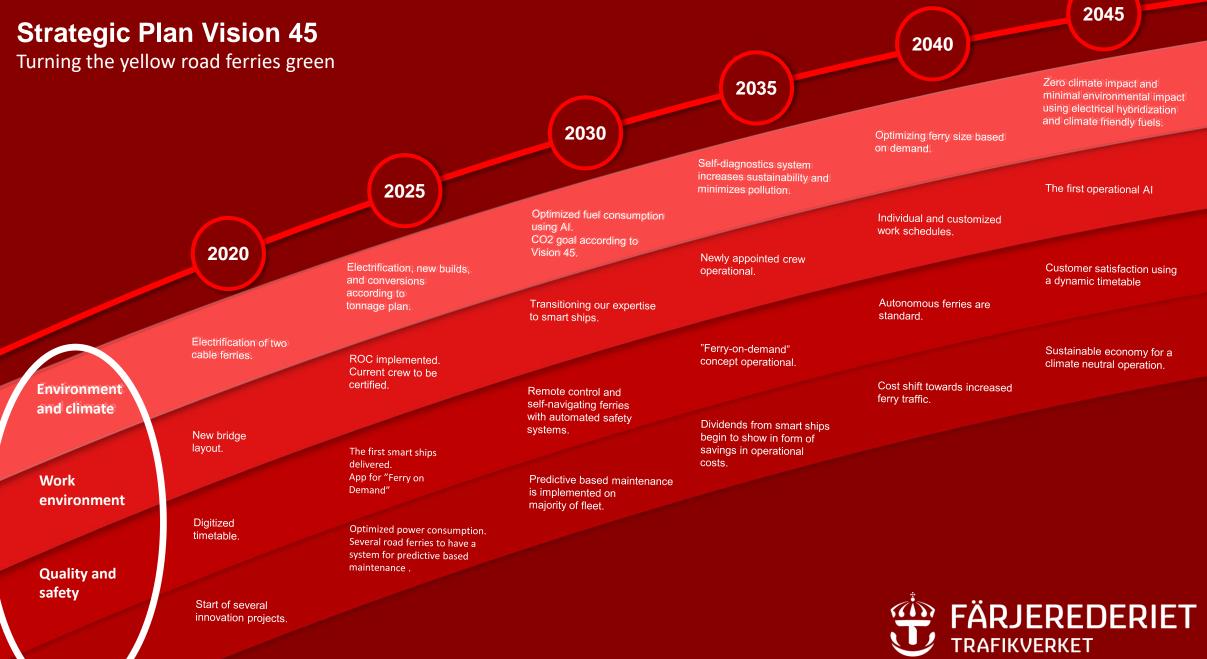
2018 Changed Conditions

Färjerederiet shall provide and develop sea route traffic with road ferries, as well as operate and maintain ice roads with net-zero greenhouse gas emissions by 2045 at the latest.









Economy

Our fleet is aging

- The average age of our vessels is 39 years.
- In the coming years, large parts will need to be replaced

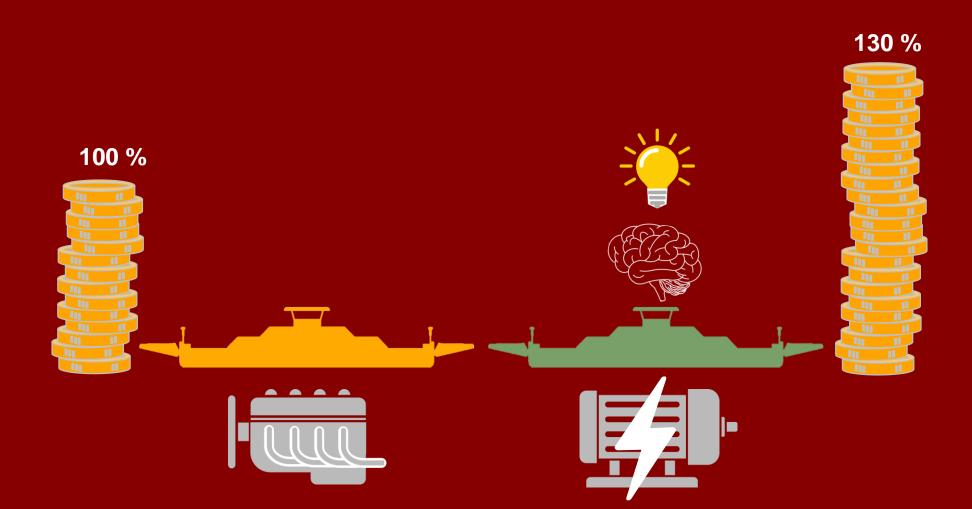








Manufacturing cost comparison



We need to do the shipping smarter



Outcome of the Savings

Reduced energy costs

100 %

- Lower manufacturing costs due to reduced need for battery capacity.
- Reduced infrastructure costs as a result of lower energy requirements.

130 %

Unique vessels

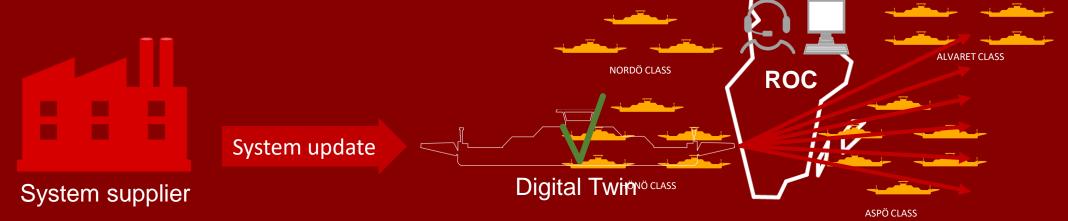
- No two are alike
- Upgrades over time have resulted in a lack of standardization





Rethinking Ship Management

- Shifting from building unique vessel units to series production.
- Transform from ferries to ferry system.
- Developed maintenance system to ensure more efficient planning and standardized procedures
- Introducing digital twins to validate system updates before deployment to operating vessels.

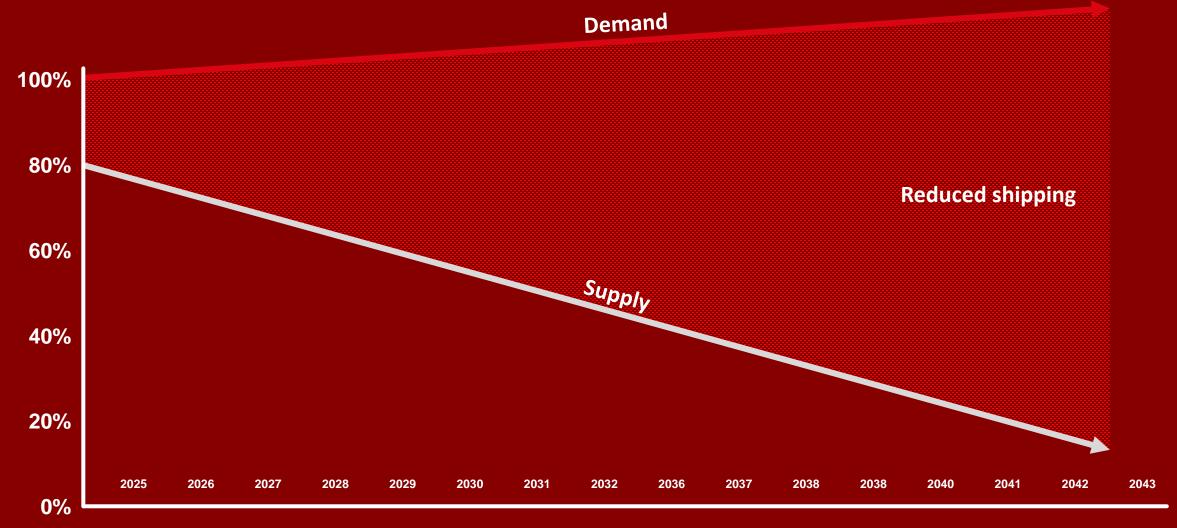


Severe shortage of qualified seafarers

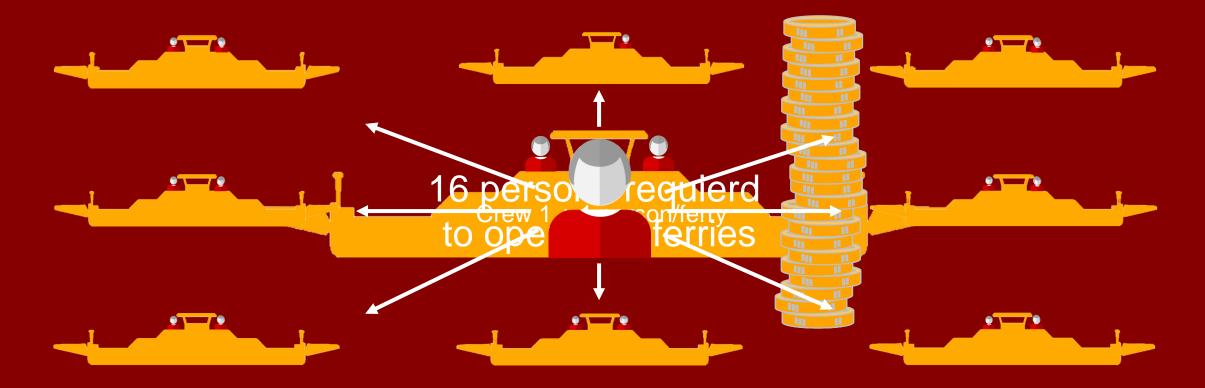
- Increasingly difficult to recruit qualified personnel
- Fewer people are training to become maritime officers



Global Trend

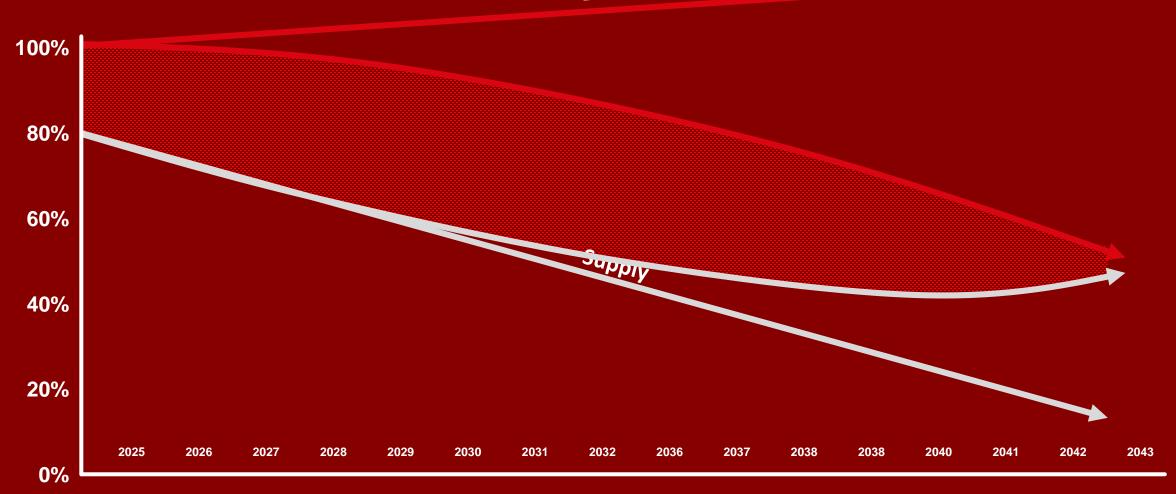


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Global Trend





Conclusion:

Advanced technical solutions are not an end in themselves.

It's rather a tool to help us achieve our goals.

