

Ferry Electrification

Passenger volume will increase by

40%

In the period from 2019 through 2030

Expanding fleet capacity



To accommodate passenger growth and achieve emission-free travel starting in 2030

The current ferry system operating on the IJ is making a systemic leap from diesel and hybrid powered to all-electric. This leap is characterized by an organizational and technical system.

Organizational system

The implementation of the organizational system involves changes for skippers, technical staff and planning.

- With the commissioning of the vessel data platform and the charge management system (CMS), the availability of charging infrastructure is monitored and optimized.
- The control room is an improved version of the current version.
- The starting point is the shortest possible response time in case of failures to increase the availability of the system.

Technical system

• Charging infrastructure

The charging infrastructure contains the grid connections that provide provision for electric charging of vessels on shore. The infrastructure element, or charging solution provides electricity to the vessel's batteries. This is a uniform and scalable system that is applicable on the IJ.

• 80-series

The current fleet is being expanded with full electric ferries. These contribute to safe and comfortable navigation and a healthy working environment.

• Refit 60-series

The current 60 series fleet of 7 ships, will be converted from plug-in hybrid to fully electric and connect to the realized charging infrastructure.

