



«A ferry tale»

Innovation in Public Procurement



Statens vegvesen
Norwegian Public Roads
Administration



The Norwegian ferry market



- 130 ferry routes and 200 ferries
 - 22 mill. vehicles and 44 mill. passengers annually
- Routes operated by private ferry companies, through competitive tendering
- Annual turnover ab. 600 mill. EUR
 - About half is state subsidies
- NPRA is the largest demander
 - 16 routes
 - 10 mill. vehicles



«The Norwegian *ferry* tale»



LNG 2001



MF Ampere 2015



Electric ferries 2023



Hydrogen 2023



Continuous political strategy



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State Budget 2015:

“The Government is requested by the Parliament, to ensure that requirements for zero-emission technology (and low-emission technology) are included in all future tenders for public ferries, when the technology allows it.”

“All ferries should, where possible, be electrified within 2030. “



Autonomous zero-emission ferries

Lavik – Oppedal 2027

In total, 23 different requirements for autonomous functions will be met by the operator

- I) **Automation of navigation-related ferry operation**
 - Autonomous navigation (2028)
- II) **Automation of vessel technical functions**
- III) **Automation of loading and unloading**
- IV) **Automation of evacuation and handling of fire**

