

NORWEGIAN ELECTRIC SYSTEMS SIGNS YET ANOTHER FERRY CONTRACT

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NES has signed a new contract with Havyard Ship Technology, Leirvik for the delivery of hybrid electric systems for three new ferries owned by Norway's largest ferry company Fjord1. By including the latest within environmentally friendly technology on their ferries, Fjord1 sets the Green standard within the ferry industry. The ferries are designed by Multi Maritime.

Two of the ferries shall be operating the route between Brekstad - Valset and one ferry between Sandvikvåg - Husavik. The Norwegian Road Authorities' strict requirement for emission for these two ferry routes, have resulted in an electrical propulsion system using chargeable Lithium Ion batteries.

Norwegian Electric Systems has developed a very robust DC system. The main DC system ensures the safe charging and discharging of the batteries. The DC system also includes NES' Odins Eye® solution. Odin's Eye® is an ultra fast acting safety solution which is incredibly flexible too, allowing for future upgrades of the vessels, such as larger battery capacity and/or higher charging power from shore.

"We have had a good and close contact with Fjord1, Havyard and Multi Maritime during this sales process", says Stein Ruben Larsen, Vice President sales in NES.

NES will, as usual, deliver a complete integrated DC-Grid system consisting of:

- QUEST® - Energy Storage System (Batteries)
- Norwegian Electric DC switchboards
- Norwegian Electric Generators
- Norwegian Electric Transformers
- Norwegian Electric Swithcboards230 VAC
- Quadro Drive® Low loss DC/AC and AC/DC
- Odins Eye®, EMS and IAS
- Project Management
- Calculations/Engineering
- Commissioning and sea trial

"Team-work has been the key-word for securing this contract," says Stein Ruben "It proves once again that NES has the technical knowledge to win and strengthen our clients trust in our capabilities."

NES has already installed one of Europe's largest test facilities for electric propulsion systems including energy storage. The new Energy Management System will also be a great advantage for future projects.

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3 new ferries for Fjord1 – designed by Multi Maritime



Stein Ruben, VP Sales at NES