

NEWS RELEASE

Corvus Energy announces Energy Storage System order for two new battery hybrid LNG ferries

The Canadian-operated Seaspan Ferries Corporation vessels will be the first dual-fuel Diesel/LNG energy storage hybrid ferries outside of Europe.

RICHMOND, B.C., CANADA (February 13, 2015)

Corvus Energy, Elkon Electric (an Imtech Marine company) and Seaspan Ferries Corporation announced the award of the energy storage system (ESS) contract for two battery hybrid LNG ferries to be built at the Turkish shipyard Sedef Shipbuilding Inc., and designed by VARD Marine Inc. The new vessels will each use a 1050VDC, 546kWh Energy Storage System (ESS) consisting of 84 Corvus Energy AT6500 advanced lithium polymer batteries.

The ESS will be integrated with an Elkon Electric propulsion and distribution system and will be powered with dual-fuel engines capable of running on diesel and liquefied natural gas (LNG) with a Corvus ESS as spinning reserve and power for responsive harbour manoeuvring.

The 148.9 metre ferries, both expected to be operation by late 2016, will accommodate up to 59 trailers. Construction is scheduled to start in early 2015. The vessels will operate a drop trailer-only route between Vancouver and Vancouver Island in British Columbia, Canada.

The innovative hybrid propulsion system with a Corvus ESS will help reduce fossil fuel emissions and greatly improve operational efficiency.

“We are very pleased that Corvus’ energy storage system was selected for these innovative vessels.” Said Andrew Morden, CEO and President, Corvus Energy. “The two new Seaspan ferries are examples of the significant benefits both operationally and environmentally of battery hybrid LNG propulsion and it is encouraging to see this technology take root in Canada.”

Corvus’ lithium polymer energy storage technology is an effective solution for hybridization of commercial vessels with dynamic duty cycles, providing consistent reliable power to support greatly improved efficiency when compared to conventional propulsion systems.

With over 20 MWh of ESS deployed including the largest hybrid vessel systems in the world, Corvus Energy has the breadth of experience and expert personnel to ensure this battery hybrid propulsion system performs well at start-up, and far into the future.

About Corvus Energy

Corvus Energy provides high power energy storage in the form of modular lithium Ion battery systems. Its purpose built, field proven battery systems provide sustained power to hybrid and fully electric heavy industrial equipment including large marine propulsion drives.

For more information, please visit www.corvus-energy.com.

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