



Corvus Energy congratulates Norled, Fjellstrand and Siemens for SMM Ship of the Year 2014 Award Honours

Lithium Energy Storage System provides power for innovative zero-emission ferry.

Richmond, B.C., Canada, (Monday, September 15, 2014). Corvus Energy congratulates ferry owner Norled and Fjellstrand Shipyard on winning the prestigious "Ship of the Year" industry award. This year's award, presented at SMM in Hamburg, was given to the world's first newbuild battery-electric car ferry – ZeroCat™ 120.

Corvus Energy contributes to the innovative ZeroCat™ 120 ferry with a high power lithium polymer Energy Storage System integrated with Siemens power electronics.

The newbuild ZeroCat™ 120 is a revolutionary design. The Siemens power management system contains 224 Corvus Energy AT6500 modules with a total capacity of 1.46MWh. A unique feature of the Siemens system is the fact that a significant portion of the battery capacity resides on shore.

Sean Puchalski, Vice President Business Development, Corvus Energy explains: “The energy storage system is split into four parts; two vessel mounted systems (one each end of ferry) and two shore power stations (one each end of route). This facilitates rapid recharging of the vessel-mounted battery at either end of the voyage and reduces the need for expensive upgrades to grid infrastructure near the port.”

The battery's low impedance and advanced active cooling system combined with Siemens high power charging equipment facilitate rapid battery-to-battery power transmission. The vessel's onboard battery will be replenished significantly even during short turnarounds.

Norled's new ferry is expected to enter operation on a fjord crossing on the Norwegian West Coast in 2015, and will produce no local emissions. ZeroCat™ 120 has space for 120 cars and up to 360 passengers.

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 packs provide sustained power to hybrid and full-electric heavy industrial equipment.

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