



Corvus To Unveil New Lithium-Ion Battery For Marine Propulsion Systems [Print](#) [Email](#)

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Corvus Energy, a developer of lithium-ion battery systems for marine propulsion, will introduce its proprietary technology at the International Tug & Salvage (ITS 2010) conference. The conference marks the introduction of 'BRAtt class' training tugs, the first of which will feature Corvus Energy's battery and management system utilized as the house power bank.

This tug will be followed up by delivery of an all-electric BRAtt and a hybrid diesel-electric BRAtt -- using Corvus Energy technologies -- to the Western Maritime Institute in 2011.

Ron Burchett and Vancouver-based Naval Architects Robert Allan, a consulting naval architectural firm, jointly developed BRAtt training tugs. The 7.8mt long, 450hp BRAtt features most of the same technology and operating systems as found in full-size Z-drive tugs, the company said.

To date, the marine industry has been unable to take full advantage of hybrid or full electric propulsion technology due to the large size and weight of traditional lead-acid batteries, according to the company.

Corvus Energy claims that its lithium-ion batteries in a standard Group 8D format are small and light and provide the battery chemistry and proprietary battery management system, which allows these batteries to last up to 10 times longer than lead-acid batteries.

The battery module can be integrated into existing applications or can be configured to meet power storage requirements from 6.2kWh into the tens of thousands of kWh.

Brent Perry, CEO of Corvus Energy, said: "The BRAtt tugs will provide an important platform to introduce our powerful, maintenance-free lithium-ion battery technology as a viable alternative to conventional propulsion systems.

"Fuel savings and decreased maintenance in a hybrid can provide ROI in only a few years, with a huge benefit to the environment in the form of decreased emissions."

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Siemens' New Compact Flotation Unit Offers Smaller Footprint and Lighter Weight for Offshore Applications
Siemens Water Technologies is launching a new compact oil/water separation unit to the offshore oil and gas industry. The new Vorsep system incorporates several unique methods for removing oil from produced and wastewater streams before they are discharged, reused or injected. The unit reduces inventoried water in the system and is therefore compact and lightweight, ideally suited to offshore applications where footprint and weight are critical.

Siemens Receives Follow-Up Order for Power Plant Components from India
Siemens Energy has received an order from its Indian licensee Bharat Heavy Electricals Ltd (BHEL) for the supply of key components for a 1,600MW coal-fired power plant in India. Delivery of the components is scheduled for late 2011. The order volume amounts to more than EUR80 million.

Go-Ahead for Power Pipeline: Siemens and RWE to Install Extra-High Voltage Line at Frankfurt Airport as a Buried Twin Gas-Insulated Line
On 15 June Dortmund-based RWE Transportnetz Strom GmbH, Germany, gave the go-ahead for the installation of a gas-insulated extra-high-voltage transmission line (GIL) at Frankfurt Airport.

Hywind: Siemens and StatoilHydro Install First Floating Wind Turbine
StatoilHydro and Siemens have installed the world's first large-scale floating wind turbine. The turbine is located approximately 12km south east of Karmøy in Norway at a water depth of about 220m.

Siemens Energy Wins Steel Innovation Award
The Siemens Energy Sector received the special award for Climate protection with steel at the German Steel Innovation Awards for its new SGT5-8000H gas turbine. The machine is deployed as a prime mover in combined cycle power plants.

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