



**Corvus Energy**  
**Lithium Polymer**  
**Energy Storage**

## **Corvus Energy Joins Groundbreaking Aquarius Wind and Solar Power System Project**

*Corvus Energy's 6.5 kWh AT6500 Modules to Store Wind and Solar Energy*

**RICHMOND, B.C.** (September 14, 2011) — Eco Marine Power Co. Ltd. announced today that Corvus Energy Ltd. will supply the energy storage component for its groundbreaking, patent-pending Aquarius Wind and Solar Power System for ocean-going ships.

Since 2010, Eco Marine Power has worked on developing an advanced integrated system of rigid, photovoltaic-equipped sails and energy storage modules to allow ocean-going ships to harness renewable energies and reduce their need for oil. The rigid sails are used for propulsion and are covered in solar panels to capture solar energy.

Corvus Energy's advanced lithium-polymer battery technology will store energy collected by the array of wind and solar panels. The batteries will then be used to power the ship's operational equipment or, alternatively, be used as a power source when at harbor or at anchor.

The system is safe, practical and designed to substantially reduce fuel consumption, noxious gas emissions and CO<sub>2</sub> footprints. Conservative estimates suggest that the Aquarius System will reduce operational costs by up to 20 percent. A prototype will be ready for testing in 2012.

Corvus Energy's energy storage modules are up to 10 times more powerful than lead-acid batteries and are, at minimum, 22 percent more powerful than current alternative lithium-polymer competitors. The batteries are built to handle the world's most hazardous ocean conditions. Fully waterproof to 1 atmosphere, the modules can operate from -4 to 140 degrees Fahrenheit (-20°C to 60°C) and are rated to withstand shock ratings of 30G and 5 axis vibration ratings of 8G.

Eco Marine Power will also investigate ways to incorporate Corvus Energy's revolutionary 6.5 kWh batteries into its other projects, including the solar-electric hybrid marine power vessel, Tonbo, and the solar-electric urban ferry, Medaka.

### **About Eco Marine Power Co. Ltd.:**

Eco Marine Power is an internationally focused technology company based in Fukuoka, Japan, that develops innovative eco-friendly solar, wind, electric and hybrid marine power and propulsion solutions. The company also designs eco-friendly ship concepts that incorporate the latest green energy technology and is currently working on a number

of design projects including the solar-electric hybrid marine power (HMP) vessel Tonbo and eco-solar ferry Medaka. For more information about EMP, please visit:

<http://www.ecomarinepower.com>

**About Corvus Energy:**

Corvus Energy is based in Richmond, B.C. and provides industrial-sized power in a compact, modular lithium-polymer battery system to the commercial marine industry, transportation industry, ports machinery, remote community, off grid and grid energy markets. Its revolutionary battery modules have the capacity to output sustained power comparable to diesel engines in hybrid and full-electric vessels and vehicles. For more information on Corvus Energy, visit [corvus-energy.com](http://corvus-energy.com) or call (604) 227-2080.

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