



**Corvus Energy**

## **Corvus Energy Lithium-Ion-Powered Batteries to Power Lunar Rover**

*Prototype Lunar Rover will feature Corvus' 6.2kWh lithium-ion pack and Hydrogenics' fuel cell power system*

RICHMOND, B.C. (March 3, 2011) — Corvus Energy announced today its revolutionary 6.2kWh lithium-ion battery pack will be used in concert with Hydrogenics fuel cell power system in a prototype terrestrial lunar rover being built for the Canadian Space Agency.

“Corvus Energy’s batteries have an extremely high energy and power density and the ability to operate virtually unaffected in extreme environments,” said Brent Perry, CEO and president of Corvus Energy. “Our powerful, lightweight batteries are easy to transport, feature a reduced footprint and can handle radical temperature swings with ease.”

The new fuel cell power system is intended for long-term testing, trial evaluation and qualification for use in the rover and with other space and lunar applications. The Corvus pack will transmit data via an industry standard CanBus communications port, allowing it to be monitored at the pack location or remotely via web-based interface or smart phone application.

Corvus’ Titan series lithium-ion battery packs, which are built around a patented Dow Kokam nickel-manganese-cobalt-based cell, last 10 times as long and have four to 10 times the power and energy storage of lead-acid batteries in half the volume and a quarter of the weight.

Each pack delivers at least 22 percent more power and energy density than the most powerful lithium-ion phosphate batteries used in electric vehicles and consumer products. The result eliminates the need for battery replacement and maintenance and increases usable power, all in a smaller, lighter package.

The new system is expected to achieve an increased range and even longer life span, as well as further validate the Corvus Energy and Hydrogenics system in a real-use space scenario. Both companies expect this collaboration to be the first of many future projects.

### **About Hydrogenics:**

Hydrogenics Corporation is a globally recognized developer and provider of hydrogen generation and fuel cell products and services, serving the growing industrial and clean energy markets of today and tomorrow. Based in

Mississauga, Ontario, Canada, Hydrogenics has operations in North America and Europe. For more information on Hydrogenics, please visit [www.hydrogenics.com](http://www.hydrogenics.com)

**About Corvus Energy:**

Corvus Energy is based in Richmond, B.C. and is a carbon neutral company that provides industrial-sized power in a compact, modular lithium-ion battery system to the commercial marine industry, transportation industry, ports machinery, remote community, off grid and grid energy markets. Its revolutionary battery packs 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, please visit [corvus-energy.com](http://corvus-energy.com) or call (604) 227-2080.

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