



**FOR IMMEDIATE RELEASE**

## **Vertical Power to Provide Electrical Management System for New Generation of Aircraft Powered by Hybrid Gas/Electric Motor**

Albuquerque, NM – February 18, 2010 – Vertical Power, Inc, a manufacturer of intelligent electronic circuit breaker systems for aircraft, has been selected to develop an advanced power management system for a new generation of aircraft powered by a hybrid of gas and electric motors. The electric-hybrid propulsion system (EHPS) for this new generation of aircraft is being developed by Bye Energy Incorporated, a Colorado based company.

George Bye, CEO of Bye Energy, states that “general aviation is now at the same point as the U.S. auto market was about a decade ago when hybrid alternatives began to be offered for the automotive markets. The combination of greater lithium-ion battery density, more efficient light-weight electric engines, and intelligent electrical power management, have now matured to the point where an EHPS aircraft will be compelling versus traditional, gas-powered aircraft. As with automobiles, an EHPS powered aircraft will significantly reduce direct operating costs and emissions, while at the same time offering comparable range and endurance. Additional benefits include near-silent operation and no loss of horsepower as altitude increases.”

The Vertical Power technology will be used to manage and optimize the electrical usage of the aircraft and respond intelligently to electrical system demands.

The Bye Energy program (named “The Green Flight Project”, [www.TheGreenFlightProject.aero](http://www.TheGreenFlightProject.aero)) includes several partner companies who each will provide advanced technology components for the EHPS solution – electric motor and controller, lithium-ion batteries, auxiliary power units, thin film photo-voltaics, variable pitch propellers, energy capture devices, and intelligent electrical management from Vertical Power.

Marc Ausman, President of Vertical Power, said “We see a very broad application of our technology with EHPS-powered aircraft. Today’s aircraft are more and more dependent on electrical systems and that is even more critical on a plane whose engine is an electric motor. We look forward to working together with Bye Energy, who is taking a leadership position in this market.”

George Bye, CEO of Bye Energy, said “Vertical Power’s system represents an extraordinary advance in electric power system management for general aviation. We are very pleased to work together with this innovative technology leader.”

Charlie Johnson, COO of Bye Energy and former President of Cessna, said the time to accelerate incorporation of new hybrid technology has arrived. “General aviation is a vital market that will benefit from the environmentally friendly, lower cost, more efficient and higher-performing EHPS aircraft,” he said.

### **About Vertical Power**

Vertical power is in the business of designing and producing Electronic Circuit Breakers for experimental and light sport aircraft. The company is applying advanced solid-state electronics to reduce wiring complexity, simplify wiring installation, reduce pilot workload, and enhance a pilot’s ability to respond to in-flight emergencies.

Vertical Power is the first company to develop Electronic Circuit Breakers for the non-certified aircraft market. The company is based in Albuquerque, NM and sells its products directly to customers and through select dealers. Vertical Power was founded in June 2006. Eight patents have been filed covering Vertical Power products.

**About Bye Energy**

Formed in 2008, Bye Energy is developing an electric and electric-hybrid propulsion system for light general aviation aircraft. The company is headquartered in the Denver Tech Center in Greenwood Village, Colo., and also has offices in Scottsdale, Ariz., and Albuquerque, N.M. For more information, go to [www.ByeEnergy.com](http://www.ByeEnergy.com). For photos or more information about The Green Flight Project, go to [www.TheGreenFlightProject.aero](http://www.TheGreenFlightProject.aero).

**For More Information:**

Marc Ausman  
Vertical Power, Inc.  
E-mail: [marc@verticalpower.com](mailto:marc@verticalpower.com)  
Phone: +1-505-715-6172  
<http://www.verticalpower.com/>

Diane Garcia  
Bye Energy, Inc.  
E-mail: [DGarcia@ByeEnergy.com](mailto:DGarcia@ByeEnergy.com)  
Phone: +1-303-459-2862

**For Photos/More Information:**

[www.TheGreenFlightProject.aero](http://www.TheGreenFlightProject.aero)

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