



**Advanced Energy Conversion**  
*Putting Power to Work*

Suite 500  
10 Hermes Road  
Malta, NY 12020  
518-289-8020  
Fax: 518-899-5741

[www.AdvancedEnergyConversion.com](http://www.AdvancedEnergyConversion.com)

FOR IMMEDIATE RELEASE:

October 12, 2006

### **AEC Awarded Contract from U.S. Navy**

Malta, NY -- October 12, 2006 -- Advanced Energy Conversion, LLC (AEC) has been awarded a \$1.2 million contract by the U.S. Navy. The contract is to develop and demonstrate low-noise permanent magnet motors, smart motor controllers, and planetary gear systems for electric rudder control in the next generation all-electric warships for the U.S. Navy's surface fleet.

AEC successfully completed the competitively awarded Phase I feasibility study in 2004. James Kokernak, AEC co-founder and Chief Operating Officer will serve as the Phase II Principal Investigator. "We considered two electric approaches to replacing the current hydraulic system in the Phase I effort. It was clear that one of these was significantly better than the hydraulic system in nearly every measure from cost and weight, to maintenance and reliability."

The Phase II program encompasses the design, fabrication and demonstration of complete motor, controller, and gearbox systems. AEC is currently pursuing a strategic commercialization relationship with IMECO, Inc., the successful bidder in the DDG-1000 steering gear acquisition program. AEC expects to double its technical staff in the coming months to support this Navy program and to maintain its current product development and consulting activities.

The Navy program is strategically important to AEC, strengthening the commercialization activities already underway for a proprietary inverter used for high productivity in photovoltaic systems and energy storage. AEC expects that the Navy program will lead to other proprietary products.

Advanced Energy Conversion, LLC is an innovative energy technology company located in NYSERDA's Saratoga Technology + Energy Park (STEP) in Malta, NY. (NYSERDA is the New York State Energy Research and Development Authority.) With expertise in embedded controls, power electronics, and electric machinery, AEC focuses on finding solutions to market-based problems that enable improving energy efficiency, reducing emissions, and increasing functionality in rapidly expanding markets. For more information, please contact:

David Torrey, Ph.D., P.E., Chief Technology Officer  
Advanced Energy Conversion, LLC  
Saratoga Technology + Energy Park  
10 Hermes Rd., Ste 500  
Malta, NY 12020  
(518) 289-8020  
[www.advancedenergyconversion.com](http://www.advancedenergyconversion.com)

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