



**Proton**<sup>®</sup>  
ENERGY SYSTEMS

The Leader in On-site Hydrogen Generation

**FOR IMMEDIATE RELEASE**

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**PROTON ENERGY SYSTEMS TO PROVIDE  
ELECTROLYSIS CELL STACKS TO HAMILTON  
SUNDSTRAND FOR OXYGEN GENERATION ON  
VIRGINIA CLASS SUBMARINE FLEET**

*Project represents the company's first hardware to be installed in a major military acquisition program*

**WALLINGFORD, CONN. – (December 17, 2009)** – Global hydrogen energy leader Proton Energy Systems has been awarded a contract by Hamilton Sundstrand Corporation, a global designer and manufacturer for aerospace and industrial products, to supply Hamilton Sundstrand key military equipment for the U.S. Navy.

Proton Energy Systems is under contract to deliver electrolysis cell stacks to the company for its Integrated Low Pressure Electrolyzer (ILPE) system. The ILPE produces environmental oxygen for crew consumption on the Navy's Virginia Class fast attack submarines. The cell stacks are a critical component of the ILPE system, representing the first Proton hardware to be installed in a major U.S. military product.

"Proton Energy has worked with Hamilton Sundstrand to develop a robust stack design that will meet the high reliability demands of the ILPE system, and we're pleased to work with them in supplying this important capability to the Navy," said Rob Friedland, president and chief executive officer at Proton Energy Systems. "Our efficient production process ensures we can offer the highest quality products at the lowest cost, and we are proud to be able to offer this outstanding value to our military and commercial partners."

The first Proton Energy ILPE stack will be delivered in March 2010.

Proton Energy is the world's leading supplier of onsite hydrogen generators utilizing PEM (proton exchange membrane) technology, which creates high purity hydrogen from de-ionized water and electricity. The ILPE cell stack contract award demonstrates a continued recognition of Proton's ability to produce high reliability and cost effective cell stacks for one of the most critical electrolyzer application ever fielded.

**About Proton Energy Systems**

Proton Energy Systems designs and manufactures proton exchange membrane (PEM) electrochemical systems to make hydrogen from water in a zero pollution process producing safe, pure, reliable onsite hydrogen to meet today's global hydrogen requirements. Proton Energy

Systems has been developing and manufacturing world-class electrolysis systems since 1996, with more than 1200 units deployed world-wide, on every continent. With a reputation for building robust, reliable, and safe systems, federal, state, and commercial partners repeatedly seek the creative solutions that Proton Energy Systems has proven it is capable of delivering. For more information, visit [www.ProtonEnergy.com](http://www.ProtonEnergy.com) .

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