AMSC Launches PowerModule PM3000W Converter for the Wind Power Market

-Revolutionary PowerModule(TM) PM3000W Converter Incorporates AMSC's Unique Combination of Wind Turbine Design, Power Electronics and Power Grid Operation Expertise
-New Features Include Low Voltage Ride Through and Wind Specific Controls
-Pre-Launch Orders Booked for More Than 3,300 Converters from Wind Turbine Manufacturers in Canada, China, Germany and India
-Product Shipments to Customers Initiated in September 2008

HUSUM, Germany--(BUSINESS WIRE)--Sept. 9, 2008--American Superconductor Corporation (NASDAQ: AMSC), a leading energy technologies company, announced today at HUSUM WindEnergy 2008 the launch of its proprietary PowerModule PM3000W power converter, a fully programmable, flexible and modular power converter developed specifically for wind power applications. This highly scalable solution is designed for rapid integration into a wide range of wind turbines with power ratings from 750 kilowatts (kW) - the basic PM3000W building block - up to 6 megawatts (MW). AMSC developed the PM3000W converter based on its core capabilities in power electronics hardware and software, the design and licensing of wind turbines, knowledge gained in the deployment of thousands of PowerModule PM1000 converters in wind turbines, and the company's experience connecting wind farms to power grids utilizing its proprietary D-VAR® solution.

AMSC's PowerModule converters are power dense, scalable and programmable, allowing them to be readily customized for many electrical applications. Wind-specific PM3000W converters incorporate algorithms and external communication protocols to enable universal generator connectivity. The product has successfully passed extensive factory testing and rigorous field testing in operating wind farms, and the company has already booked pre-launch orders for more than 3,300 PM3000W converters from customers in Canada (AAER Inc.), China (Sinovel Wind, CSR-ZELRI and Dongfang Steam Turbine Works), Germany (Fuhrlander AG) and India (Ghodawat Industries). AMSC shipped the first PM3000W converters to customers in September 2008.

"Our PM3000W converter was developed utilizing AMSC's unique combination of world-class wind turbine design and engineering expertise, wind turbine power electronics and wind farm-to-power grid interconnection solutions," said Timothy Poor, AMSC's Vice President of Global Sales and Business Development. "The PM3000W is the world's first power converter building block developed specifically for bridging the needs of both wind turbine generators and grid connection. This unique converter is a fully programmable, flexible and modular power converter platform that provides universal generator connectivity, and can be utilized within virtually any megawatt-class wind turbine. This revolutionary solution has also been designed to withstand the severe changes in climate and poor power grid conditions that are often encountered at remote wind farms."

The PM3000W converter utilizes state-of-the-art thermally and mechanically enhanced Insulated Gate Bipolar Transistors (IGBTs) and features wind power specific controls and interfaces, low voltage ride through (LVRT) support, ground fault protection and mono-frame construction with slide mounts - offering unmatched versatility. Rated at 750 kW, the PM3000W converter's compact design yields a power density of up to 130 W/in.(3) (7.9 W/cm(3)). In addition, multiple PM3000W power converters can be configured in parallel to create higher power-rated converter systems up to 6MW for all types of wind generators.

PM3000W converters incorporate advanced grid compatibility controls. This enables its use with asynchronous, synchronous, induction and permanent magnet generators in wind turbines running at either 50 Hz or 60 Hz. AMSC offers PM3000W converters as a stand-alone product. Through its AMSC Windtec™ subsidiary, AMSC also provides customized wind turbine electrical systems and core electrical components, which include the PM3000W converter, pitch and yaw controls and SCADA systems.

AMSC introduced its PowerModule converter technology in 2000 and thousands of the systems have been purchased by customers worldwide for use in a wide variety of applications including wind turbines, hydro-electric, energy storage, fuel cell, marine diesel-electric, electric vehicle, utility-grade voltage regulation and military pulsed-power systems. For more information about AMSC's PowerModule power converters, please visit: www.amsc.com/products/powerconversion/wind_turbine_power_convert.html.

With more than 600 exhibitors and 20,000 anticipated attendees, HUSUMwind 2008 is one of the world's largest wind power

trade shows. The event is being held from September 9 to September 13 in Husum, Germany. Attendees are encouraged to visit AMSC Windtec's at Booth #3C43.

About American Superconductor (NASDAQ: AMSC)

AMSC is a leading energy technologies company offering an array of solutions based on two proprietary technologies: programmable power electronic converters and high temperature superconductor (HTS) wires. The company's products, services and system-level solutions enable cleaner, more efficient and more reliable generation, delivery and use of electric power. AMSC is a leader in alternative energy, offering grid interconnection solutions as well as licensed wind turbine designs and electrical systems. As the world's principal supplier of HTS wire, the company is enabling a new generation of compact, high-power electrical products, including power cables, grid-level surge protectors, Secure Super Grids™ technology, motors, generators, and advanced transportation and defense systems. AMSC also provides utility and industrial customers worldwide with voltage regulation systems that dramatically enhance power grid capacity, reliability and security, as well as industrial productivity. The company's technologies are protected by a broad and deep intellectual property portfolio consisting of hundreds of patents and licenses worldwide. More information is available at www.amsc.com.

Any statements in this release about future expectations, plans and prospects for the company, including our expectations regarding the future financial performance of the company and other statements containing the words "believes," "anticipates," "plans," "expects," "will" and similar expressions, constitute forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. There are a number of important factors that could cause actual results to differ materially from those indicated by such forward-looking statements. Such factors include: uncertainties regarding the company's ability to obtain anticipated funding from corporate and government contracts, to successfully develop, manufacture and market commercial products, and to secure anticipated orders; the risk that a robust market may not develop for the company's products; the risk that strategic alliances and other contracts may be terminated; the risk that certain technologies utilized by the company will infringe intellectual property rights of others; and the competition encountered by the company. Reference is made to these and other factors discussed in the "Risk Factors" section of the company's most recent quarterly or annual report filed with the Securities and Exchange Commission. In addition, the forward-looking statements included in this press release represent the company's views as of the date of this release. While the company anticipates that subsequent events and developments may cause the company's views to change, the company specifically disclaims any obligation to update these forward-looking statements. These forward-looking statements should not be relied upon as representing the company's views as of any date subsequent to the date this press release is issued.

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