



China's CSR-ZELRI Orders 100 Sets of Wind Turbine Core Electrical Components from AMSC

CSR-ZELRI Accelerates Production of 1.65 Megawatt Wind Turbines

DEVENS, Mass.--(BUSINESS WIRE)--Jan. 22, 2009--American Superconductor Corporation (NASDAQ: AMSC), a leading energy technologies company, today announced that it has received a multi-million-dollar order for 100 sets of its wind turbine core electrical components from China's CSR Zhuzhou Electric Locomotive Research Institute Co., Ltd ("CSR-ZELRI"). The company will use the components in 1.65 megawatt (MW) wind turbines designed by AMSC's wholly owned [AMSC Windtec®](#) subsidiary. Under the terms of the contract, AMSC expects to ship all of the core electrical components by the end of calendar 2009 to support CSR-ZELRI's increased production of wind turbines.

AMSC's core electrical components include the company's proprietary [PowerModule™ PM3000W](#) power converter and enable reliable, high-performance wind turbine operation by controlling power flows, regulating voltage, monitoring system performance and controlling the pitch of wind turbine blades to maximize efficiency. [Introduced in late 2008](#), the PM3000W is a fully programmable, flexible and modular power converter developed specifically for wind turbines with power ratings up to 6 MW.

"China's wind industry continues to move forward at an aggressive pace through the global economic downturn, and further growth is projected for the next decade," said Du Jinsong, general manager of CSR-ZELRI's wind power business unit. "AMSC Windtec's wind turbine designs, localization and supply chain support and proven power electronics allowed us to quickly enter this rapid growth market and aid in meeting China's objective to increase electricity supply while also reducing carbon emissions."

Based in Zhuzhou City in the Hunan province of China, CSR-ZELRI first began working with AMSC Windtec in January 2007. Under the terms of the original license agreement, AMSC also received the right to provide CSR-ZELRI with core electrical components for all of its 1.65 MW wind turbines. Including this latest order, CSR-ZELRI has ordered more than 170 sets of core electrical components from AMSC to date.

"CSR-ZELRI has done a tremendous job of ramping up production of high quality wind turbines in a very short time," said Greg Yurek, founder and chief executive officer of AMSC. "We expect CSR-ZELRI to continue its rapid growth and to take a significant share of the Chinese wind turbine market in the years ahead."

According to the [Chinese Wind Energy Association](#), China will grow its base of wind power from 5.9 gigawatts (GW) at the end of 2007 to more 10 gigawatts in 2008. In its [Global Wind Energy Outlook 2008 report](#), the [Global Wind Energy Council](#) estimates that China's installed base could grow to 101 GW by 2020 under its "moderate" outlook scenario and 201 GW under its "advanced" scenario.

[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 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.

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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.

CONTACT: American Superconductor Corporation (NASDAQ: AMSC)
Jason Fredette, 978-842-3177
Director of Investor & Media Relations
jfredette@amsc.com

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