

PRESSEINFORMATION / PRESS RELEASE

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American Superconductor introduces its Amperium™ HTS wire

Clean technology for the 21st Century

Right now over-taxed power grids around the world are being challenged to meet rising electricity demands associated with today's growing, digitally-based economy and new applications like electric cars. The threat of power outages is ever present, particularly in densely populated areas where massive amounts of power must be carried through severely congested underground ducts. Our aging, antiquated grids are simply not designed to reliably deliver the intermittent energy of renewables, making renewable energy targets virtually impossible to hit.

At the SuperConductingCity, American Superconductor (AMSC) will be celebrating the "Coming of Age" of superconductor technology by displaying its Amperium™ High Temperature Superconductor (HTS) wire. Amperium wire can conduct more than 100 times the electrical current of copper wire of the same dimensions. In a high-voltage power transmission system, just one of these ultra-thin wires would be able to carry enough power to serve the needs of approximately 10,000 U.S. homes.

Superconductor wires are enabling a whole new generation of clean technologies, including highly efficient, inherently smart power cables that can carry up to 10 times more power than copper cables and wind turbines that can generate twice as much power as the largest turbines in production today.

Superconductor power cables have begun operating in the grid in the U.S., and more ambitious projects are now underway in Korea and China, among other countries. In fact, in September of 2010, South Korea's LS Cable ordered 3 million meters – the world's largest order – of Amperium wire from AMSC.

Superconductors are well positioned to be THE clean technology of the 21st Century.

Further information / press contact

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