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PRESS RELEASE

TITEL **Expansion with intelligent Power Flow Controllers**
US Energy Giant invests in „Smart Wire“-Technology

CORE STATEMENTS

- SWG continues its business expansion in USA with innovative solutions to increase the reliability of power transmission and distribution networks
- Enormous cost benefits for network operators, especially for the Energy Change in Germany and the European energy market

WORDS/CHARACTERS

Words: 350

Characters (with spaces): 2364

PRESS RELEASE

Smart Wire Grid, Inc. (SWG), a leading technology start-up in the American power industry market, is continuing to expand its business. With Tennessee Valley Authority (TVA), an energy utility serving more than 9 million customers in seven US-states, being the first network operator using the innovative “Smart Wire“-System, now US energy giant „Southern Company“ in Atlanta, Georgia, is investing repeatedly in “Smart Wires”.

In early 2013 „Southern Company“ upgraded two 115 kilovolt overhead lines each 10 kilometers long with the “Smart Wire“-System. In April 2014 a further overhead line will have the new system installed to provide current limiting and dynamic line rating capabilities.

How the „Smart Wire“-Technology works

Distributed Series Reactors (“DSR”) are devices mounted in series directly on the conductors themselves. They are linked among each other and to the network operator’s control center by radio remote control. Overload conditions are detected and corrected instantaneously by controlling the power flow through the line.

„This technology means a quantum leap for the future power grids“, claims Tim Crader, Vice President Sales & Marketing of Smart Wire Grid. „Today our network operators benefit from an increase of more than 10 percent in energy efficiency and cost savings when using our system“, Tim explains further.

Benefits for the Energy Change - not only in Germany

Because transmission and distribution networks are facing increasing and heavily intermittent reverse power flows from renewable generation this innovative system offers enormous advantages on the European power market, especially for the Energy Change in Germany. To avoid power outages caused by overloaded lines network operators use complicated remedial action and generation dispatch schemes. These costly interventions can be substantially simplified when using “Smart Wires”.

"The challenges of the network operators are advancing from year to year with the integration of renewable power generation. With our technology, network operators get a highly flexible solution incorporating control options to comply with the standard criteria set for reliable and secure grid operation," states Julie Couillard, SWG Vice President of Engineering & Customer Support.

ABOUT SMART WIRE GRID, INC. (SWG)

Smart Wire Grid, Inc. with headquarters in Oakland, USA, has been developing innovative control technologies for the power grids of the future since 2010. The product portfolio consists of control devices for dynamic power flow control of overhead lines with sensing and active control capabilities. As a top innovator for the transmission and distribution industry SWG is serving national and international customers, including network operators, independent power generators and vertically integrated utilities. Electrical engineers, information technology and communications specialists and production experts are working in interdisciplinary and international teams at sites in California and North Carolina (USA). For more information: www.smartwiregrid.com

STAND AT HANNOVER FAIR 2014

**07.04.2014 to 11.04.2014 in Hannover,
Hall 13, Stand C35/8**

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PICTURE PREVIEW



Picture 1: “Power flow controller“ – Distributed Series Reactor (DSR)



Picture 2: DSR Installation on High Voltage Overhead Lines (1)

Caption picture 1 and picture 2

Deployment of the DSR devices on a 30 kilometers long line is completed within four days.



Picture 3: DSR Installation on High Voltage Overhead Lines (2)

Caption picture 3

Overload conditions are detected and controlled on „Smart Wires“ either autonomously or per remote control.