Eaton’s New SMP SG-4250 Gateway Provides Enhanced Communications and Processing to Meet the Demands of Complex Substation Environments

WAUKESHA, Wis. … Power management company Eaton today introduced its Cooper Power Systems’ new Substation Modernization Platform (SMP) SG-4250 Gateway. The device boasts a modular design providing data acquisition and distribution, protocol translation and secure remote access to substation intelligent electronic devices (IEDs) to cost effectively fulfill a range of substation automation projects.

“Our newest Ethernet-based solution offers utilities a highly flexible and interoperable platform that they can grow into,” said Eric Lebeau, marketing product manager, Eaton’s Cooper Power Systems division. “Instead of having to purchase new hardware as new standards arise, users can simply update the product’s existing software and leverage its multi-function capabilities to get the most out of their legacy IEDs. This not only adds convenience, but also helps keep overall cost in check.”

Featuring improved processing power and memory, the SMP SG-4250 serves as a scalable solution that can be customized to a utility’s exact needs. Additionally, the SMP SG-4250 is compatible with most existing IED manufacturers, including the support of more than 80 protocols.

The newest solution represents the fourth generation of SMP gateways, offering enhanced communications modules to address the changing Smart Grid landscape, including the
integration of up to 10 Ethernet ports with multi-homing and VLAN tag support, allowing for the deployment of complex IEC 61850 projects. In addition, it helps simplify Supervisory Control and Data Acquisition (SCADA) operational activities for the user, includes advanced cyber-security features such as DNP3 Secure Authentication V5 and is instrumental to NERC/CIP compliance.

The new SMP SG-4250 provides users with immediate access to real-time, system-wide substation data, is designed for electrical utilities and the industrial market, and meets all IEEE and IEC requirements for substation-grade equipment.

For more information on Eaton’s Cooper Power Systems business and its end-to-end smart grid solutions, visit www.cooperpower.com.

Eaton’s Cooper Power Systems division provides a range of power delivery and reliability, automation and control, advanced metering and demand response solutions designed to increase efficiency and smart operations. The Power Systems business serves customers in the utility, commercial, industrial, mining, renewable energy and other markets.

Eaton’s Electrical Sector is a global leader with expertise in power distribution and circuit protection; backup power protection; control and automation; lighting and security; structural solutions and wiring devices; solutions for harsh and hazardous environments; and engineering services. Eaton is positioned through its global solutions to answer today’s most critical electrical power management challenges.

Eaton is a power management company with 2013 sales of $22.0 billion. Eaton provides energy-efficient solutions that help our customers effectively manage electrical, hydraulic and mechanical power more efficiently, safely and sustainably. Eaton has approximately 102,000 employees and sells products to customers in more than 175 countries. For more information, visit www.eaton.com.

###