



GE High-Voltage Technology Helps Global Utilities Meet Growing Energy Demand

- *Proven GE Technology Helps Customers Meet High Energy Demands, Improve Grid Reliability and Efficiency*
- *GE's End-to-End, Comprehensive Transmission and Distribution Offering Now Includes High-Voltage Equipment and Services*
- *3-D Interactive Power System Tools Transform How Utilities Explore and Address Challenges to Enable a Modern, Connected Grid*

CHICAGO—April 14, 2014—With the global population growing and reliance on technology continuing to expand at a rapid pace, world electricity demand is projected to increase by more than 2 percent per year over the next 20 years. Yet, aging and inefficient infrastructure is creating gaps between energy demands and supplies, with many electrical transmission and distribution networks facing challenges to deliver efficient, reliable flow of power where it's needed most.

Answering the call for increased reliability and efficiency is [GE's Digital Energy business](#) (NYSE: GE). Committed to the development and implementation of innovative grid modernization, GE will be displaying a variety of its industry-leading products and service capabilities at the [2014 IEEE PES Transmission & Distribution Conference & Exposition](#) taking place April 14-17 in Chicago. These solutions include the company's new and upgraded high-voltage offerings and its transformative 3-D interactive power system tools.

Positioning GE as a global leader in the industry, the company has expanded its transmission and distribution solution set over the past nine months with substantial investments in [high-voltage technology offerings](#), providing customers with the flexibility needed to integrate renewables such as wind, solar, hydro and gas generation. In addition, GE has developed digital, hands-on displays and tools that transform how the industry learns, explores and interacts with critical power systems components. Featuring rich visuals and touch interaction, these 3-D tools help utility operators better understand their power systems, while also providing valuable insights around how various transmission and distribution line challenges can be addressed and mitigated.

Through these new technologies, customers can limit their risk of outages and reduce costs associated with electrical system downtimes and out-of-date equipment, minimizing utility losses and improving overall grid efficiency.

"Utilities are not just seeking a solutions provider. They're seeking a partner to help them meet 21st-century energy challenges, whether it's improving the reliability and resiliency of their existing electrical distribution infrastructure or replacing aging equipment such as transformers and circuit breakers," said Bob Turko, general manager, power systems, GE's Digital Energy business. "Our new technologies—including our flexible and intelligent high-voltage offerings—enable us to help our customers solve their toughest grid challenges and build a more reliable, efficient grid."

GE provides customers with more than high-tech solutions to help utilities modernize their grids. The company's dedicated team of experts equips customers with a "soup to nuts" offering, ensuring guidance before, during and after a solution is installed. The innovative design capabilities of GE's team recently played a major role in the development and delivery of a mobile fleet of backup power units—in the form of TM2500+ aeroderivative gas turbines—to the General Electricity Company of Libya. For the project, GE implemented its electrical balance of plant (EBoP) technology with the advanced capabilities of the gas turbines, enabling a rapid development and deployment of the units and bringing backup emergency power to the country to meet future demands.

GE's end-to-end solutions and consultation can help advance and optimize today's electrical grids, providing superior efficiency and reliability with the latest in transmission and distribution technology. To learn more about GE's electrical distribution products and services on display at IEEE, please visit <http://www.gedigitalenergy.com/>.

GE's Digital Energy business is a global leader in transmission and distribution solutions that manage and move power from the power plant to the consumer. Its products and services increase the reliability of electrical power networks and critical equipment for utility, industrial and large commercial customers. From protecting and optimizing assets such as generators, transmission lines and motors, to delivering analytic tools to help manage the power grid, GE's Digital Energy business delivers industry-leading technologies to solve the unique challenges of each customer. For more information, visit <http://www.gedigitalenergy.com/>.

About GE

GE (NYSE: GE) works on things that matter. The best people and the best technologies taking on the toughest challenges. Finding solutions in energy, health and home, transportation and finance. Building, powering, moving and curing the world. Not just imagining. Doing. GE works. For more information, visit the company's website at www.ge.com.

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