



## GE Showcases Latest Advances at CIGRE 2016

- *Delivers the next generation of software for electric utilities and electricity markets*
- *Addresses customer's needs with solutions, interactive booth demos and experts seminars*
- *Innovates the grid with digital and clean technologies*

PARIS, August 19, 2016 – It happens every two years and this year at the 46<sup>th</sup> International Council on Large Electric Systems ([CIGRE](#)), held from 22-26 August, GE (NYSE: [GE](#)) will unveil its latest technologies from transmission to distribution across its comprehensive portfolio. A panel of experts will be on hand for our customers to share information and insights on these new relevant solutions and more, providing their valuable perspectives.

Reinaldo Garcia, President and CEO of GE's Grid Solutions business says, *"Our world depends on electricity to power people's lives. We connect grids and systems to meet a growing, global need for safe, reliable electricity. We are pleased to be a part of CIGRE and privileged to present to the industry the latest GE innovations that help keep the world turned on."*

At CIGRE, GE to address industry challenges raised by customers, specifically in the following key areas:

### Digitizing the energy value chain

- **Service:** GE's latest *e-terraassetcare*. *E-terraassetcare* helps utilities and industries prioritize their maintenance operations and rationalize replacement decision based on health as well as risk information. The service, part of the [Asset Performance Management](#) portfolio for electrical grid, provides a subset of the advanced analytics hosted GE's cloud based platform for an easy implementation with highly secured access.
- **Modern Grid:** GE's [Digital Substation](#) gets smarter with the introduction of additional intelligent applications with Digital Twin technology. From switchyard to the control room, GE combines the latest in hardware, software and communications technology to deliver advanced and secure protection, control, monitoring, and automation solutions to enable a modern grid.
- **Continuous online monitoring of operational data:** collected from primary switchyard assets, powerful visualization and analytics tools, GE provides comprehensive asset and fleet management with its [Advanced Asset Monitoring and Diagnostics](#). This solution enables utilities to better focus capital, reduce operational expenses and identify issues in advance before they become critical failures.
- **Open-circuit protection:** For off-site auxiliary power transformers, GE's COSI [Digital Instrument Transformers](#) (DIT) provides sensitive and accurate measurement of a transformer's magnetizing current. Integrated with high speed [IEC 61850](#) communications, the COSI DIT provides critical detection of the loss of a single phase in the supply path to power transformers ensuring asset protection and grid stability.
- **Smartgrid:** GE's new teleprotection equipment [e-terragridcomDIP.net](#) enables an adaptable and optimal protection relay interface solution to ensure critical communications in evolving power system architecture. [IEC 61850](#) compliant, the system is compact, modular and multi-point addressing, designed for today's Smartgrid.
- **Wide Area Monitoring Systems (WAMS):** At GE's booth, experience the live demonstration and participate in discussions that will highlight the advantages the [Predix](#) cloud brings for WAMS data sharing, collaboration, visualisation and advanced analytics. Various use cases will be outlined showcasing the most effective use of shared services for system operators and grid participants.
- **Next generation solution Utility STATCOM:** GE introduces [Utility STATCOM solution](#), now a part of the industry's strongest [Flexible Alternative Current Transmission System](#) (FACTS) portfolio. GE's



STATCOM solution is set apart by its Model-Based control platform and improved operational performance through the use of the largest direct current (DC) power source in the industry.

### Connecting clean grids

- **Advanced turnkey solution:** To solve SF6 leakages, GE has developed the [SF6 sealing solution](#), an easy to install, reversible and re-usable advanced turnkey solution. SF6 leakages present a major concern for energy companies in regards to meeting Environment, Health and Safety (EHS) responsibilities and regulatory compliance requirements.

*"One of the most important aspects of CIGRE is the opportunity it creates for people across the electrical industry ecosystem to make connections, discuss hot topics and share ideas. For GE it is above all an opportunity to focus on customers and listen," Garcia added.*

If you are attending CIGRE this year, please visit GE's booth number 332, Palais des Congrès de Paris. Follow the daily conversation using hashtag #CIGRE2016 and also follow us at @GEEnergyConnect.

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### **About GE**

GE (NYSE: [GE](#)) is the world's Digital Industrial Company, transforming industry with software-defined machines and solutions that are connected, responsive and predictive. GE is organized around a global exchange of knowledge, the "GE Store," through which each business shares and accesses the same technology, markets, structure and intellect. Each invention further fuels innovation and application across our industrial sectors. With people, services, technology and scale, GE delivers better outcomes for customers by speaking the language of industry. [www.ge.com](http://www.ge.com)

### **About Energy Connections**

GE Energy Connections designs and deploys industry-leading technologies that turn the world on. We transport, convert, automate and optimize energy to ensure we provide safe, efficient and reliable electrical power. Uniting all the resources and scale of the world's first digital industrial company, we connect brilliant machines, grids, and systems to power utility, oil & gas, marine, mining and renewables customers, that keep our world running. [www.GEEnergyConnections.com](http://www.GEEnergyConnections.com)

### **About GE's Grid Solutions**

Grid Solutions, a GE and Alstom joint venture, equips 90% of power utilities worldwide to bring power from the point of generation to end power consumers. With over 200 years combined experience in providing advanced energy solutions, our products and services enable more resilient, efficient and reliable power systems. Over 20,000 employees in 80 countries work to satisfy our customers globally. For more information, visit [www.GEGridSolutions.com](http://www.GEGridSolutions.com)

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