



Tech Alert

GE Nexus Control System Now Available in North America

GE Nexus Control System provides flexible configuration and integrated software tools for centralized unit control, increased asset availability and reduced operational costs

Longmont, Colo. – June 11, 2015 – GE’s (NYSE: GE) [Measurement & Control](#) business, a division of GE Oil & Gas, today announced the availability of GE’s [Nexus Control System](#) in North American markets. The Nexus Control System is a fully configurable distributed control system (DCS) that improves overall unit availability and provides simplified expansion capabilities for steam turbines and balance of plant equipment in power generation, renewable generation and pulp & paper, among other processing industries.

Engineered with special attention to diagnostic and redundancy features, the Nexus Control System provides seamless integration of control and optimization solutions to improve communication speed and reliability; reduce forced and unplanned outages; extend the maintenance cycle; and minimize installation, training and overall operation costs.

“Industrial and process industries rely on continued uptime and transparency in an increasingly competitive and digital market environment,” says Terry Knight, general manager of control solutions, GE Measurement and Control. “With the Nexus Control System, GE extends its expertise built into the Mark VIe, to support balance of plant facilities for an advanced, reliable and cost-effective unit control system that gives operators a full view of system health.”

Built on GE’s **50** years of control system experience using proven technology currently in more than 4,700 installed control systems worldwide, the Nexus Control System’s innovative features include:

- Flexible configuration done online to avoid excess system outage or shutdown.
- Input/Output (I/O) communication and power are distributed individually, enabling independent replacement of modules without a complete system shutdown.
- Integrated Human Machine Interface (HMI) software package includes embedded historian and engineering tools. Historian can be expanded without additional equipment, saving cost and allowing for more analytical capability.
- Three-level system network provides real-time performance with high-speed data exchange between the controller and HMI. Non-critical information, such as data backups, is handled on a separate data highway.

The distributed architecture reduces impact from loss of system components so the loss of any one component does not affect the rest of the system. It also allows for optimization of available space by distributing control, I/O and HMI functions to different areas of a plant, eliminating the need to allocate a large, central area for installation. Each operator station further supports control, monitoring and configuration of the entire system. Additionally, the Nexus Control System provides a suite of integrated control solutions to customize the system to any site’s needs.

About GE

GE (NYSE: GE) imagines things others don’t, builds things others can’t and delivers outcomes that make the world work better. GE brings together the physical and digital worlds in ways no other company can.

In its labs and factories and on the ground with customers, GE is inventing the next industrial era to move, power, build and cure the world. www.ge.com

About GE Measurement & Control

GE Measurement & Control is a leading innovator in advanced software and services; sensor-based measurement; non-destructive testing and inspection; flow and process control; turbine, generator and plant controls; and condition monitoring. Providing for the industrial health of our customers' most critical assets, we deliver accuracy, productivity, predictive maintenance, and safety to a wide range of industries, including oil & gas, power generation, aerospace, metals and transportation. Through our advanced approach to connecting intelligent machines, big data and analytics, we help our customers navigate complex operations, tighter regulations and a growing skills gap; while improving asset and operational performance – ultimately driving better business outcomes. Headquartered in Boston, USA, Measurement & Control has more than 40 facilities in 25 countries and is part of GE Oil & Gas. For further information, visit www.gemeasurement.com.

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