



PRESS RELEASE

Constellation Energy Deploys New Predictive Diagnostic Technology to Help Avoid Surprises and Eliminate Equipment Failures

Uses GE's innovative Proficiency® SmartSignal solutions to monitor mission-critical assets and balance-of-plant equipment

CHARLOTTESVILLE, VA MARCH 28, 2011 GE Intelligent Platforms today announced that Constellation Energy has chosen to upgrade and widely expand its use of Proficiency® SmartSignal solutions across the company's entire high-capacity power generation fleet. Constellation will deploy the SmartSignal Shield predictive-diagnostic solution, along with SmartSignal Cycle Watch software, a high-speed solution specifically designed for combustion turbine start-ups.

Constellation initially tested the SmartSignal Epi-Center software in 2008 and expanded its use in 2009 to five plants, including coal, combined-cycle, and combustion turbine. The software provided early warning of several hundred equipment problems, which helped Constellation increase reliability and reduce maintenance costs. As a result, Constellation has decided to implement a three-phase project to maximize its monitoring of all mission-critical assets and balance-of-plant equipment that impact performance.

The program includes:

1. Deployment of SmartSignal Shield software within the initial five plants.
2. Deployment of SmartSignal Shield software in all additional plants in the Constellation high-capacity fleet.
3. Deployment of SmartSignal Cycle Watch software on all 21 combustion turbines across Constellation's fleet.

"With the addition of Proficiency SmartSignal solutions across our national fleet of fossil fuel plants, we're already seeing good results in reaching our reliability and maintenance goals," said David Lilleflore, Director, Business Performance for Constellation Energy's CPG Support Services Group. "Ultimately, this technology is going to help us to extend the life of these important assets."

Constellation Energy is an industry innovator and world leader in operations excellence. On the cutting edge of use of technology to improve the performance of plants, Constellation Energy uses Proficiency



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SmartSignal technology in its own Performance Monitoring & Diagnostic (PM&D) Center, with support from the SmartSignal in-house Availability & Performance Center (APC).

SmartSignal Epi-Center software is an industry-leading predictive solution for managing, controlling, and optimizing equipment maintenance and industry operations. The new SmartSignal Shield solution builds upon years of experience and provides even *earlier* predictions of impending failures and, now, *apparent causes* of the impending failures, along with *prioritizations*. The new SmartSignal Cycle Watch software is the only solution for increasing reliable starts in combustion turbines. Using patented technology and special high-frequency sampling, SmartSignal Cycle Watch software uniquely analyzes the highly variable conditions of start-up and detects subtle deviations that only are visible in these high-stress and transient conditions.

Erik Udstuen, GE Intelligent Platforms Vice President, Software & Services, said, “Constellation Energy is one of our most proactive customers, always looking for ways to improve availability, reliability, and efficiency. Constellation’s use of Proficy SmartSignal to protect all of its critical plants and equipment is leading the industry with new and powerful technologies. As we both continue to innovate, we look forward to a long and productive partnership.”

The Proficy SmartSignal solutions are the latest examples of how GE’s \$4 billion-a-year software and solutions services businesses are helping customers improve productivity.

For more information: www.ge-ip.com and www.smartsignal.com

About Constellation

Constellation Energy (www.constellation.com) is a leading supplier of energy products and services to wholesale and retail electric and natural gas customers. It owns a diversified fleet of generating units located in the United States and Canada, totalling approximately 9,000 megawatts of generating capacity, and is among the leading advocates for the development of new nuclear plants in the United States. The company delivers electricity and natural gas through the Baltimore Gas and Electric Company (BGE), its regulated utility in Central Maryland. A FORTUNE 500 company headquartered in Baltimore, Constellation Energy had revenues of \$15.6 billion in 2009.

About GE Intelligent Platforms

GE Intelligent Platforms is an experienced high-performance technology company and a global provider of software, hardware, services, and expertise in automation and embedded computing. We offer a unique foundation of agile and reliable technology providing customers a sustainable competitive advantage in the industries they serve, including energy, water, consumer packaged



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goods, oil & gas, government & defense, and telecommunications. GE Intelligent Platforms is headquartered in Charlottesville, VA. For more information about GE Intelligent Platforms, visit www.ge-ip.com.

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