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PRESS RELEASE

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Yokogawa Releases Enhanced Version of STARDOM™ Network-based Control System

- New FOUNDATION™ fieldbus Engineering Tool Improves Efficiency -

Yokogawa Electric Corporation announces that on June 3 it will release an enhanced version of the STARDOM™ Network-based Control System with upgraded engineering functionality. A new engineering tool facilitates the construction of field digital communications networks that can reduce the cost of maintaining production equipment distributed over wide areas.

Development Background

In response to growing global energy demand, oil companies have been expanding their oil and gas exploration activities in recent years. As gas and oil field production equipment is often distributed over very wide areas, periodic field equipment inspections and other maintenance activities have proven very costly and pose a huge financial burden on these companies. One solution to this problem is the use of digital communication networks. By linking widely distributed production equipment, they make it possible to capture and centrally manage maintenance information such as individual device status and maintenance history. This reduces costs by improving maintenance efficiency.

For this latest STARDOM version, Yokogawa has optimized its existing engineering tool that is used to configure large-scale SCADA systems based on the FOUNDATION™ fieldbus protocol. The new tool, FOUNDATION fieldbus Configurator, enables a 60% reduction in engineering man-hours (compared to our previous tool).

In addition to this new tool, STARDOM's Logic Designer engineering tool for creating control applications has been improved. An enhanced Distributed Network Protocol 3 (DNP3) is also provided.

Product Features

1. New FOUNDATION fieldbus Engineering Environment
FOUNDATION fieldbus Configurator has the following features that improve engineering efficiency and enable the deployment of FOUNDATION fieldbus networks in relatively short periods of time.
 - 1.1 For seamless operations, all screens now have the same look and feel as that of other STARDOM engineering tools.
 - 1.2 An enhanced export and import function facilitates repeat engineering.
 - 1.3 Application downloading time to fieldbus devices have been reduced substantially.
2. Improved Functionality of Control Application Creation Tool (Logic Designer)
New drag & drop, automatic rearrangement, automatic wiring mode switching, and other functions have been added that make this software easier to use.
3. Enhanced Functionality of DNP3 Protocol
DNP3 is a communication protocol used for controlling equipment distributed over a wide area, such as oil and gas field equipment. The protocol has been enhanced to support a wider range of SCADA applications.

Teruyoshi Minaki, Director and Executive Vice President of Yokogawa's Industrial Automation Business Headquarters, said: "The digital technology used with FOUNDATION fieldbus and other protocols plays a great role in the SCADA market by making it possible to manage field devices distributed over wide areas, such as is the case with oil and gas wells and wind power installations. Yokogawa has revamped its engineering tools to facilitate high quality engineering. Yokogawa will continue to provide field digital technologies so that its customers can reduce costs over the long term."

About STARDOM

STARDOM is an open network control system consisting of components with control, operation, and monitoring functionality. The autonomous controllers at the core of STARDOM have the same control and monitoring functions found in a PLC as well as the information distribution functions of a PC. They are widely used as intelligent remote terminal units (RTU) in distributed applications such as natural gas and oil wells. When used in combination, the FCN/FCJ autonomous controllers and FAST/FOOLS SCADA software give increased flexibility in distributed applications.

Major Target Markets

Upstream oil and gas processes (oil and gas field production equipment)
New energy market (wind power generation equipment and micro-hydroelectric power generation equipment)

Applications

Monitoring, operation, control, and data acquisition/recording for production equipment distributed over a wide area

About Yokogawa Corporation of America

Yokogawa Corporation of America is the North American division of \$ 4 billion Yokogawa Electric Corporation, a global leader in the manufacture and supply of instrumentation, process control and automation solutions. Headquartered in Newnan, Georgia, Yokogawa Corporation of America offers a variety of clients with leading products on the market as analyzers, flowmeters, transmitters, controllers, recorders, data acquisition products, measuring instruments, distributed control systems, and more. For more information about Yokogawa, please visit our website www.yokogawa.com/us.

About Yokogawa

Yokogawa's global network of 25 manufacturing facilities and 80 companies spans 54 countries. Since its founding in 1915, the US\$3 billion company has been engaged in cutting-edge research and innovation, securing more than 7,200 patents and registrations, including the world's first digital sensors for flow and pressure measurement. Industrial automation and control, test and measurement, information systems and industry support are the core businesses of Yokogawa. For more information about Yokogawa, please visit our web site at www.yokogawa.com.