

## PRESS RELEASE

### ***FOR IMMEDIATE RELEASE***

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## **Yokogawa Releases Enhanced Version of ProSafe-RS Safety Instrumented System**

Yokogawa Electric Corporation announces that it is releasing an enhanced version of the ProSafe<sup>®</sup>-RS Safety Instrumented System, ProSafe-RS R2.01.00, on April 10. This new version is smoothly integrated with Yokogawa's latest production control system, CENTUM<sup>®</sup>VP, and offers improved security and support for Windows Vista. These enhancements strike the optimum balance between improved operational efficiency and safety.

### **Development Background**

There is a growing emphasis on operational safety in the energy and basic materials industries such as oil, natural gas, petrochemical, and iron & steel that is driven by the need to provide a safe workplace, protect the environment, and be a responsible corporate citizen. To achieve both operational efficiency and safety, the distributed control systems (DCSs) that are necessary for stable plant operations and the safety instrumented systems that are relied on to perform emergency shutdowns need to be finely integrated.

To meet these needs, Yokogawa released the ProSafe-RS Safety Instrumented System, and has continued to strengthen its functions to work in conjunction with the CENTUM<sup>®</sup>series.

### **Overview of Enhancements**

#### 1. Integration with CENTUM VP

The operation and monitoring screen of CENTUM VP features an ergonomic universal design and an advanced, intuitive operational environment for improved visibility of information and enhanced operability. Through the

integration of ProSafe-RS with CENTUM VP, operation and monitoring can be performed in an advanced operational environment.

## 2. Improvement of security functions

ProSafe-RS R2.01.00 enhances the security of PC components and keeps plants secure by restricting communications, controlling access to folders and the registry, and preventing unauthorized access from outside.

## 3. First major safety instrumented system to support Windows Vista<sup>R</sup>

ProSafe-RS R2.01.00 is the first major safety instrumentation system to support the latest operating system from Microsoft Corporation, Windows Vista. It runs on the latest OS with the latest software.

## Major Target Markets and Applications

Oil, natural gas, petrochemical and other process industries that use systems for emergency plant shutdown, fire prevention/fighting, and burner management

## About ProSafe-RS

Released in February 2005, the ProSafe-RS Safety Instrumented System helps prevent accidents by detecting unusual conditions in plant operations and taking emergency actions such as shutting down the plant. Unlike conventional safety instrumented systems and DCSs, which are regarded as having different roles/functions and operate separately, the operation of ProSafe-RS and CENTUM series can be fully integrated. Furthermore, an independent certification body has certified that ProSafe-RS conforms to the IEC61508 (Note 1) international safety standard and can be used in SIL3 (Note 2) applications. As a result, ProSafe-RS is held in high regard by users and has been installed in more than 300 projects worldwide since its release.

### (Note 1) IEC61508

A standard relating to the functional safety of electrical and electronic equipment that was established by the International Electrotechnical Commission (IEC).

### (Note 2) Safety Integrity Level (SIL) and SIL3

SILs have been defined by the IEC. SIL3 means that the risk factor for a plant where safety measures are not in place has been reduced to a range from 1/1000 to 1/10000.

## About Yokogawa Corporation of America

Yokogawa's global network of 18 manufacturing facilities, 84 companies, and over 650 sales and engineering offices spans 33 countries. Since its founding in 1915, the US\$4 billion company has been engaged in cutting-edge research and innovation, securing more than 7,000 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](http://www.yokogawa.com).