

PRESS RELEASE

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Date: September 21, 2007

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Release #: 862

Yokogawa Receives SICE Awards for Enemap and ProSafe-RS Solutions

On September 19, Yokogawa Electric Corporation received two academic awards from the Society of Instrument and Control Engineers (SICE)*¹. The Technology Award was given to Yokogawa for its Enemap Energy Management Package and the Award for New Products was given for its ProSafe-RS Safety Instrumented System.

Technology Award Enemap Energy Management Package

The SICE Technology Award is presented for technological accomplishments disclosed during the previous five calendar years. The award is given for substantial contributions to the science & technology and industrial fields in which SICE is involved. Enemap was one of five products to earn the award this year.

Introduced to the market in November 2003, the Enemap Energy Management Package is intended for use by power facilities and regional heating/cooling systems. Enemap predicts energy demand based on operating performance data and weather forecast data. The package also plans the optimal mix for energy sources (e.g. electrical power, city gas, heavy oil) and the best method of operating facilities in order to reduce costs, energy consumption, and carbon dioxide emissions. As a means of saving energy and reducing carbon dioxide emissions, Enemap is attracting attention in many industries which are striving to curb global warming and attain the goals of the Kyoto Protocol, which came into effect in February 2005.

This award was given to Yokogawa because it has established an excellent energy management technology. The development of Enemap as a practical packaged solution is greatly benefiting the plants where it is introduced.

Award for New Products ProSafe-RS Safety Instrumented System

The Award for New Products is given to companies, enterprises, and other organizations that have greatly contributed in the last two calendar years to the science & technology and industrial fields in which SICE is involved. This year, only Yokogawa's ProSafe-RS received the award.

Launched in February 2005, ProSafe-RS was the first plant safety instrumented system to be introduced in the Japanese market by a Japanese manufacturer. This system prevents accidents by detecting abnormal situations while a plant is running, and safely initiates emergency actions such as a plant shutdown.

ProSafe-RS can also be combined with the CENTUM CS3000 Integrated Production Control System to achieve integration of the process control and safety instrumented systems. Plant information can thus be managed collectively, improving operability. ProSafe-RS users have rated this system very highly, and we have to date delivered more than 200 systems all over the world.

ProSafe-RS achieves both a high safety integrity level and a high availability under IEC 61508^{*2}. It is integrated with the CENTUM CS3000 Integrated Production Control System using a safety instrumented system communication protocol that we developed in-house. SICE has acknowledged this contribution to safety instrumented technology by giving us the Award for New Products.

Encouraged by these SICE awards, we are determined to increase sales of Enemap and ProSafe-RS.

*1 The Society of Instrument and Control Engineers (SICE) is chaired by Susumu Tachi, a professor in the Graduate School of the University of Tokyo. It was founded in 1961 to promote collaboration among scientists and engineers from various fields in solving problems affecting industries such as petroleum, petrochemicals, steel, chemicals, and telecommunications. Since its establishment, SICE has supported advanced academic research in Japan, and it will continue to do so.

*2 IEC 61508 is a standard for the functional safety of electric and electronic devices that was formulated in 2000 by the International Electrotechnical Commission (IEC).

About Yokogawa

Yokogawa's global network of 18 manufacturing facilities, 80 companies, and over 650 sales and engineering offices spans 30 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.