

Yokogawa to Provide Network Healthiness Check Service to Asahi Kasei Chemicals'

Mizushima Works

–For enhanced plant cyber security–

Johannesburg, South Africa – 30 September 2015 - Yokogawa announces that Yokogawa Solution Service Corporation, a subsidiary that is responsible for Yokogawa's control business in Japan, has taken an order from Asahi Kasei Chemicals Corp. to provide a network healthiness check service that analyses and verifies the integrity of the data traffic on the control system communications busses at its Mizushima Works. An industry first*, this cyber security service for control systems combines network visualisation technology with the collection and analysis of data traffic.

As the threat of cyber-attacks has increased in recent years, there is an urgent need for strong security measures with control systems, particularly those used in critically important infrastructure such as electric power, gas, and petrochemical plants. With the increasing sophistication of such attacks, it is often no longer sufficient to rely solely on general security measures such as the use of antivirus software. Yokogawa's network healthiness check service is able to visualise the status of communications traffic on a network after periodically collecting and analysing log data. When data traffic from an unknown IP address, communication via an unspecified protocol or port, data loss, or some other potential hazard is detected, Yokogawa will then work with the customer to identify possible causes and propose any necessary improvements. Unlike conventional services that rely on the monitoring and analysis of vast amounts of control system communications traffic, Yokogawa's service is able to quickly and intuitively visualise and grasp the status of the control system's communications traffic so that quick action can be taken in response to any potential issue. Yokogawa jointly developed this visualisation technology with Yasuo Okabe, a professor at Kyoto University; Hiroki Takakura, formerly an associate professor at Kyoto University and currently a professor at the National Institute of Informatics; and the National Institute of Information and Communications Technology (NICT).

Yokogawa develops and provides to its customers a variety of highly secure device and system solutions, and is also engaged in the provision of ongoing operational support services. The company will continue to assist its customers through the provision of control system cyber security

solutions.

* Based on a September 28, 2015 Yokogawa survey

About Yokogawa

Yokogawa's global network of 88 companies spans 56 countries. Founded in 1915, the US\$3.5 billion company conducts cutting-edge research and innovation. Yokogawa is active in the Industrial Automation and Control (IA), Test and Measurement, and other businesses segments. The IA segment plays a vital role in a wide range of industries including Oil & Gas, Chemical, Food & Beverage, Iron & Steel, LNG Supply Chain, Petrochemical, Oil & Gas, Pharmaceutical, Power, Pulp & Paper, Refining, Renewable Energy and Water & Wastewater.

Yokogawa South Africa (Pty) Limited is an empowered South African company jointly owned by Identity Capital Partners (Pty) Ltd, a local black women-owned organisation, and Yokogawa Europe BV, incorporated in the Netherlands. Yokogawa Europe BV is owned by Yokogawa Electric Corporation, a Japanese company listed on the Tokyo Stock Exchange.

Yokogawa South Africa (Pty) Limited's comprehensive solutions range from sensors (such as Pressure transmitters, Temperature, Flow meters, Level and Liquid & Gas Analysers) and network solution products, to control and safety systems. This includes the software for advanced control that optimises productivity; and services that minimise plant lifecycle costs. Yokogawa South Africa's Service Training Department is accredited and proficient in theoretical and practical training for Instrumentation and Control systems from first principles. Our Internship Programme contributes to the continued technical skills improvement in South Africa.

For more information about Yokogawa, please visit the company's website www.yokogawa.com/za or contact Christie Cronje in Corporate Communications.

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