

PRESS RELEASE

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Yokogawa Acquires US Company with Unique Gas Analysis Technology

Enhancing energy saving, environmental, and safety solution-providing capabilities

Yokogawa Electric Corporation announces the acquisition of Analytical Specialties, Inc. (ASI), a company with a unique gas analyzer technology. Yokogawa Corporation of America, Yokogawa's North American subsidiary, acquired all the stock of ASI on April 3, 2008.

With this acquisition, Yokogawa is adding the TruePeak Tunable Diode Laser Gas Analyzers to its analyzer lineup and strengthening its ability to deliver comprehensive solutions in the industrial automation market.

Background

The industry environment has been changing rapidly due to such factors as surging oil prices and more stringent controls on greenhouse gas emissions. The power plant, iron and steel, incineration, and chemical industries are working hard to save energy, reduce CO₂ emissions, and ensure safe operations by optimizing combustion. This tendency will accelerate.

Sensors play an important role in maintaining optimal combustion by constantly monitoring the concentration of oxygen and carbon monoxide. Gas analyzers with high performance are needed to accurately measure this in real time.

Tunable Diode Laser Spectroscopy (TDLS) Technology

TDLS is used in many industries for such purposes as measuring oxygen and carbon monoxide concentrations for combustion control, detecting ammonia and hydrochloric acid in exhaust gas, and monitoring moisture levels

in natural gas pipelines. These gases absorb infrared light at specific wavelengths unique to each gas, and their concentrations can be measured by illuminating them with a laser and analyzing the absorbed wavelength in the spectrum of the transmitted light.

TDLS enables the direct high-speed measurement of combustion and other process gases. Laser gas analyzers with high performance and real-time measurement capability have entered the mainstream of the gas analyzer market, which is expected to expand.

ASI's TDLS Technology

ASI was established in 1994 and has developed the TruePeak family of laser based analyzers. ASI President Trevor Knittel says, "TDLS enables the direct high-speed measurement of many important process gases, including combustion by-products, impurities and oxygen in many chemical and refining operations. ASI's TruePeak TDLS analyzer utilizes a very promising and proprietary peak area integration method that offers both high measurement accuracy and repeatability compared to other commonly used products."

Yokogawa acknowledges that ASI has a unique and superior TDLS technology and that it is expected to enter wide use. In order to win a greater share of this market, Yokogawa has decided to establish a Laser Analytical Division within its US subsidiary as a core unit for the industrial automation environmental and measurement business.

Yokogawa's Strategy

Satoru Kurosu, Senior Vice President of the Industrial Automation Business Headquarters, says, "To achieve the top position in the global industrial automation market by 2010, Yokogawa has announced its VigilantPlant vision for the ideal plant, and this TDLS technology enhances our VigilantPlant solution portfolio."

Mr. Kurosu also says, "We consider that technologies and products focusing on energy saving and environmental conservation will continue to play an important role. Therefore, we aim to expand our lineup of sensors used in analytical processes, and to enhance our capability to offer solutions over the entire lifecycle of a plant that also address the need for energy saving and environmental conservation."

Yokogawa expects that the TDLS market will be worth \$150 million by 2013 and plans in that year to have sales of \$30 million and the largest market share.

About Yokogawa

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.