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PRESS RELEASE

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Yokogawa launches Modular Procedural Automation to help process manufacturers preserve procedural knowledge

Orlando, FL Feb 8th, 2010- Procedural operations are used in all processes whether manually from standard operating procedures, prompted by a control system or fully automated. The key to the design of these procedures is the knowledge of the production operators.

But, their operation can vary from shift to shift and site to site depending on the procedural knowledge of the operators. Good operators can provide significant operational savings to a manufacturer and also be a reliable interface when incidents arise. However, the most experienced operators in all process industries are starting to retire in large numbers leaving a procedural knowledge gap.

To help alleviate this situation and to enable the process industries to achieve their production objectives while meeting health, safety and environmental regulatory requirements, Yokogawa has announced at ARC's 2010 World Industry Forum the launch of Modular Procedural Automation (MPA). "Operational knowledge and the accompanying skill sets are leaving the workplace due to retirement, and consequently the availability of good operators to run process systems is diminishing." states Maurice Wilkins, Vice President, Yokogawa IA Global Marketing

Center “By applying MPA a company can preserve the knowledge of the best operator on his or her best day every day, which enables running a process in an optimal state”

MPA is an open and modular approach to procedures that is production centric, not bound by systems and defines the right balance between manual, prompted, and automated procedures.

Brent Lilienthal, General Manager North American Services. says “Start-ups and shutdowns need specific skills and are one of the biggest sources of risk in a production process”, Maurice Wilkins adds “effective grade changes and transitions can provide a source of competitive advantage for manufacturers if they are done the same way every time”

MPA starts with a consultative assessment of a site’s procedural needs. A recommendation will then be made as to the best platform for the customer to achieve their desired result. Prompted procedures may be implemented on any control system using Exapilot, while fully automated procedures may need Centum VP solution or a combination of both.

“Customers have seen reductions of up to 98% of operator interactions during a polymer grade change and also a 69% reduction in crude switchover time in a refinery process.” Brent Lilienthal says “We can’t provide the knowledge that these experienced operators have, but we can provide an effective methodology to preserve that knowledge in MPA”.

About VigilantPlant

VigilantPlant is Yokogawa's automation concept for safe, reliable, and profitable plant operations. VigilantPlant aims to enable an ongoing state of Operational Excellence where plant personnel are watchful and attentive, well-informed, and ready to take actions that optimize plant and business performance. This initiative eliminates unplanned downtime, improves asset utilization, and allows businesses to adapt to shifting market conditions quickly and efficiently. Based on this concept, Yokogawa launched Safety Excellence solutions in 2005, Asset Excellence solutions in 2006, and Production Excellence solutions in 2007.

About Yokogawa

Yokogawa's global network of 19 manufacturing facilities and 89 companies spans 32 countries. Since its founding in 1915, the US\$4 billion company has been engaged in cutting-edge research and innovation, securing more than 7,500 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**.