

PRESS RELEASE

FOR IMMEDIATE RELEASE

Date: May 16, 2005

Contact: info@us.yokogawa.com

Contact Phone: 800-258-2552

Release #: 769

YOKOGAWA LAUNCHES ISA-95 INTERFACE TO SAP NETWEAVER™

Interface Links Into SAP XI Component of SAP NetWeaver, Offering Seamless Connection Between the Business and Manufacturing Layer

Newnan, Georgia - Yokogawa launched its ISA-95 interface at InterKama, showing its potential with a plant-to-business interoperability demonstration with the SAP NetWeaver™ platform.

Yokogawa demonstrated a real-time Manufacturing Execution Solution leveraging the ISA-95 interface to connect Yokogawa's CENTUM CS 3000 R3 Distributed Control System (DCS) via Exaquantum/Batch plant information management system (PIMS) with the mySAP™ ERP solution via the SAP® Exchange Infrastructure (SAP XI) component of SAP NetWeaver.

Yokogawa and SAP have worked together to make these plant-to-business scenarios possible. Yokogawa developed the ISA interface for its MES system, the industry-leading Exaquantum/Batch PIMS coupled to its CS 3000 DCS, to receive ISA-95/B2MML format production schedules from mySAP ERP via SAP XI. Upon completion, the PIMS sends an ISA-95/B2MML format production performance message through SAP XI to mySAP ERP.

Yokogawa interfaced its systems with the configurable SAP Manufacturing Intelligence Dashboards that are built on the SAP Enterprise Portal to provide mySAP users with real-time access to the control and MES systems. This decreases costs, speeds up information exchange within the enterprise, and can make manufacturers leaner and more agile.

The Yokogawa MES system sends production alerts to the SAP Manufacturing Intelligence Dashboards to notify mySAP users of critical operational events in real time. The events are configurable and include a wide variety of real time data, including alerts based upon the start and end of production, abnormal production occurrences like order cycle time exceeding targets, quality/lab results that are not acceptable, and the abnormal termination of an order due to production upsets. These real-time alerts permit adaptive manufacturing, providing production managers and corporate executives with real-time access to operational data without having to wait for daily, weekly or even monthly reports of production shortfalls.

The Yokogawa MES system also sends key performance indicator (KPI) data to the SAP Manufacturing Intelligence Dashboards. The KPI data is also configurable, reporting batch cycle time, OEE (Overall Equipment Effectiveness), individual unit (reactor) utilization rates, product quality levels and product cost vs. target. The KPIs are displayed in the SAP Dashboards that provide KPI trend displays and hyperlinks to related displays in the Yokogawa MES system.

Yokogawa is a prime contributor to both the ISA-95 and B2MML standards. Yokogawa has been represented on the SP95 committee since the development of Part 1 of the standard and has aligned its MES offerings with the standard. Dave Emerson, Systems Architect at Yokogawa, is the co-author of the World Batch Forum (WBF) B2MML XML schemas. Dave adds: "This demonstration shows the power of the ISA-95 standard and the B2MML XML schemas. SAP and Yokogawa have both implemented web services to exchange the ISA-95 format B2MML production schedule and production performance reports between SAP solutions and Yokogawa's MES system. This was accomplished for substantially less cost and in less time than a proprietary method would require."

Nigel Bowden, Yokogawa Global MES Solution Center (GMSC) Managing Director, adds: "The competitive performance put up by today's best plants is huge, and without the most up-to-date Process Control MES solution interfaced with ERP solutions, no operator can compete. The Yokogawa solutions we had on display at Interkama are state-of-the-art and set a new industry standard."

SAP includes SAP XI support of the ISA S95 standards for plant-to-business connectivity, which brings a whole new dimension to this by summarizing the critical process parameters in the management information system, allowing real-time visibility of plant performance and product validation in the board room. Through this, Yokogawa shows its commitment to the ISA-95 standard and the Business to Manufacturing Markup Language (B2MML) implementation of the standards while bringing the VigilantPlant™ concept to the process industry, promising operational excellence to visionary plants and creating an environment where plant personnel can See Clearly, Know in Advance, and Act with Agility.

About Yokogawa Corporation of America

Yokogawa Corporation of America is the North American unit of \$4 billion Yokogawa Electric Corporation, a global leader in the manufacture and supply of instrumentation, process control, and automation solutions. Headquartered in Newnan, Georgia, Yokogawa Corporation of America serves a diverse customer base with market-leading products including analyzers, flowmeters, transmitters, controllers, recorders, data acquisition products, meters, instruments, distributed control systems, and more.

For more information about Yokogawa Corporation of America, visit www.yokogawa.com/us/, call 770-254-0400, or toll-free at 800-258-2552, or e-mail info@us.yokogawa.com.

SAP, SAP NetWeaver, mySAP and all SAP product and service names mentioned herein are trademarks or registered trademarks of SAP AG in Germany and several other countries around the world.