

International SEMATECH Manufacturing Initiative (ISMI) evaluates CenterPoint's EDaFactoryController as factory-wide EDA Client within factory-environment

Austin (US), Dresden (G), Villach (A): CenterPoint, a leading developer of high-tech manufacturing software, has successfully demonstrated its **EDaFactoryController** in a working fab – providing members of the International SEMATECH Manufacturing Initiative (ISMI) and other chip-makers with an important productivity tool.

EDaFactoryController is a mature software solution for host-side equipment data acquisition (EDA) on a factory-wide level, and allows manufacturers to implement SEMI's new EDA standards, also known as Interface A. The product was evaluated from December 2006 through February 2007 at an ISMI member company fab, with CenterPoint and ISMI providing remote support. The evaluation, part of an ISMI project designed to accelerate the commercial availability of tested EDA host software, showed that **EDaFactoryController** performs with flexibility, stability and robustness in a manufacturing environment.

*"With CenterPoint's **EDaFactoryController** software application, we were able to verify the data rates that can be achieved,"* said Gino Crispieri, ISMI project engineer. *"This was something that we were unable to verify and test in the past, because of a lack of client solutions. The consumption data rates of 70,000 to 80,000 parameters per second definitely positions the EDA standards into a readiness state for adoption on production lines."*

The **EDaFactoryController** is scaleable from a single data collection service to several data collection services aggregated in a single EDA client installation. *"The most recent release enables a tremendous throughput of significantly more than 100,000 data values per second on standard server hardware and standard operating systems,"* said Roland Willmann the CEO and Technical Director of CenterPoint.

"This fact lowers the maintenance costs of our solution significantly due to a very low number of hardware units required and due to the easy extension of the number of installed data collection services."

Willmann added, *"The SEMI EDA standards are understood by CenterPoint as the consequent support for engineers for ad hoc and short-term development of factory-wide APC models, including powerful and flexible data collection."*

EDaFactoryController results from CenterPoint's many years of experience in factory application integration, and can be integrated with any existing factory application (e.g., FDC, EES, MES) through any standardized or proprietary communication channel.

As a next step, a comprehensive report will be published to ISMI member companies in the wake of CenterPoint's presentation of **EDaFactoryController** at ISMI's EDA Host Side Invitational on May 8 in Austin, TX. This meeting showcased EDA host solutions for a benchmark of best-of-breed EDA solutions.

ISMI is a global alliance of the world's major semiconductor manufacturers, dedicated to reducing cost per wafer, and ultimately cost per die, through cooperative programs focused on manufacturing effectiveness. The consortium conducts programs in manufacturing infrastructure, methods, standards, and productivity, with the aim of reducing the costs of producing finished wafers and chips and driving solutions to major productivity challenges. ISMI is a wholly owned subsidiary of SEMATECH of Austin, TX. More information is available at <http://ismi.sematech.org/corporate/index.htm>

CenterPoint provides comprehensive software solutions for agile manufacturing – from data acquisition through tools that enhance the entire manufacturing processes.

Agile, optimized and stable manufacturing processes must be ensured to allow quick response to changing requirements related to product quality, manufacturing costs, and market needs. CenterPoint provides a solution that horizontally integrates all relevant manufacturing data and test data, and that vertically integrates engineering-related modeling and the model-execution during mass-production. Altogether results in factory-wide intelligent decision support systems applicable to factory-wide APC, yield management, and engineering data analysis.



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