

News Release



Media Contacts: Nigel Hitchings
Rockwell Automation
508.357.8404
nehitchings@ra.rockwell.com

Sarah Riley
Padilla Speer Beardsley Inc.
612.455.1728
sriley@psbpr.com

New White Paper From Rockwell Automation Outlines the Benefits of an Integrated, Enterprise-Wide Methodology for Energy Engineering and Management

Algorithmic approach to energy management uses real-time data collection and predictive modeling capabilities to enhance decision making, reduce consumption and increase efficiency

MILWAUKEE, June 3, 2010 — A new white paper from [Rockwell Automation](#) details the requirements and outlines the potential efficiency gains that commercial and industrial energy users can achieve by applying an integrated, algorithmic approach to energy management. The paper uses examples from several enterprise energy management (EEM) system implementations to validate this holistic methodology, which leverages real-time and historical data to predict performance trends and evaluate response options.

The [white paper](#), "An Algorithmic Approach to Enterprise Energy Management: Developing an Integrated Energy Solution Utilizing Real-time Data Collection and Predictive Modeling Capabilities," outlines the fundamental requirements of an EEM system. These core requirements include connectivity to disparate data sources, energy modeling for real-time benchmarking, analytical capabilities to support ongoing systems commissioning, and accessible visualization of [energy usage](#) data.

"Energy managers are often inhibited by data gaps, disparate data sources and complicated systems interfaces, making it difficult to effectively analyze real-time energy data and maximize efficiencies," said Jeff Soplop, manager, Energy Solutions, Rockwell Automation. "Using an aggregated, algorithmic approach allows energy managers to realize higher visibility into ongoing operations, more quickly identify

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and isolate potential issues, and employ preemptive action based on upcoming events such as weather, production schedules or energy-price changes.”

The paper, authored by Soplop and presented at the 2010 International Conference on Applied Energy in Singapore, discusses preliminary results from several EEM system implementations. Utilizing an EEM system has typically reduced first-year energy consumption by 10 to 23 percent at campuses, large facilities and manufacturing plants, according to the paper. In addition, EEM systems help facilities maintain the savings and continually achieve more energy efficiency from buildings and equipment each year. These sustained savings have frequently led to a payback period for the EEM system of less than a year.

For a copy of the paper, visit www.rockwellautomation.com/solutions/sustainability/. For more information on industrial energy-management solutions from Rockwell Automation, please visit www.rockwellautomation.com/solutions/sustainability/energy.html.

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