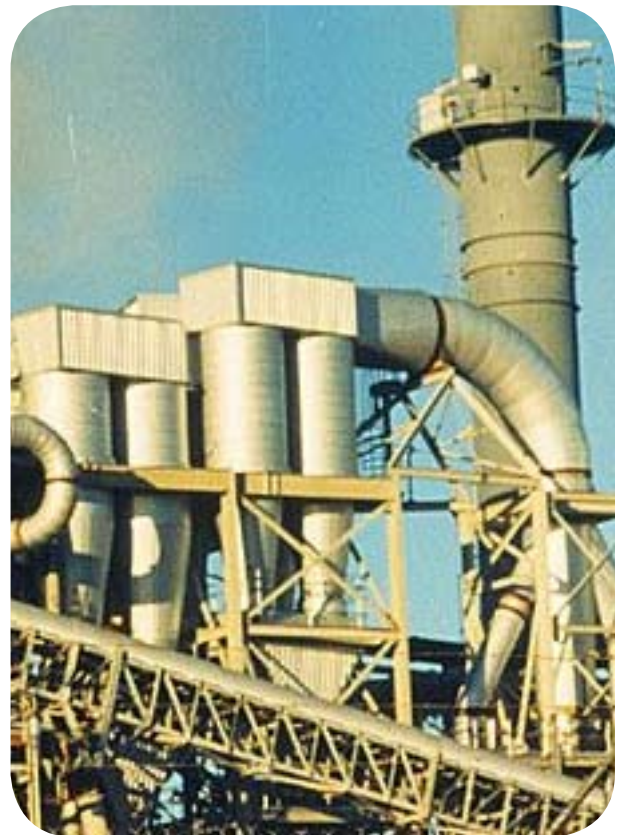


# Improving Plant Efficiencies 2010 Process Summit

Automation Strategies for Updating Aging Infrastructure

Wednesday, September 15, 2010

9AM to 4:00PM



Rumsey Conshohocken: 15 Colwell Lane, Conshohocken, PA 19428

**Rockwell**  
**Automation**

**RUMSEY**  
QUALITY & SERVICE - SINCE 1895

# Description Speaking Topics:

## Challenges Faced by Manufacturers Today -

**Fred Cubit, Vice President of Industrial/OEM Sales, Rumsey Electric**

The landscape of manufacturing continues to be more challenging with industry consolidations, rapidly changing markets and managing global operations while government regulations continue to increase. To remain competitive, manufacturers must consistently produce high quality products while improving production outputs and reducing costs. These objectives can be achieved with process optimization, flexible manufacturing systems and reducing new product turn around time.

## Overview of Rockwell Process Strategy

**Rob Swim, Global Process Channels Manager  
Rockwell Automation**

Rockwell Automation's fastest growing business segment is the process market. Our unparalleled domain and industry expertise has resulted in reduced engineering and integration costs with our unified core capabilities delivering a single, plant-wide control system to improve your



productivity, quality and time to market. Learn why Rockwell Automation's collaborated manufacturing in the process industry is making a strategic difference with our current customers and how we can improve your bottom line profitability.

## PlantPax - Process Excellence

**Kris Dornan, Process Technical Consultant,  
Rockwell Automation**

Rockwell Automation's PlantPax Process Automation System is more than the collection of components - it is the ideal single platform for a unified plant of the future. This session will provide a description of the portfolio and the key areas of focus. This introduction is the perfect session for individuals familiar with competitive process solutions or legacy distributed controls and for those who may have an understanding of Rockwell Automation's traditional controls solutions.

## DCS/PLC Migration Strategies

**Mike Vernak, Global Program Manager  
Rockwell Automation**

Gain insight into PlantPax connectivity, integration and the migration of existing competitive DCS and PLC systems. We will discuss the scope of tools for target legacy control systems, development of conversion opportunities and components of a well-developed migration plan. Review different project approaches based on the migration requirements, such as phased approach or rip-and-replace.



## Case Study: DCS Migration Example using PlantPax

**Timothy L. Cole, P.E. - Applied Control Engineering, Inc. (ACE)**

In today's economy, the US automation professional is more likely to upgrade an existing process control system than design a greenfield plant. Corporate policies, sister plants and site experience - not to mention market conditions, space limitations and desired features all influence design decisions. This discussion will cover when and why an upgrade should be considered and discuss implementation options with anecdotal experiences.

## Facility Integration: Network Convergence and Security

**James Burnand, Director, Mid-Atlantic Region of Grantek Systems Integration Inc.**

Review industry best practices for network design and the technologies behind them. Learn about the requirements and history of Ethernet based networks in an automation environment and discuss strategies and practices for how companies can design things with the future in mind. This will include examples of organizational structure and technologies that can be used today to begin your path towards a converged network.

## Facility Integration: Power System Migration and Integrated Architecture -

*John Miklavic, Power Control Area Manager, Rockwell Automation*

Device level integration through digital communications holds the key to unlocking the full potential of electronic controls installed in industrial plants today. Users in all industries are seeking solutions that integrate software, hardware, and communications technologies to deliver plant-floor benefits such as improved process control, diagnostics, and increased reliability. Drive the creation of real-time process and predictive maintenance information by:

- Packaging new technologies in device level communication and sensing capabilities
- Enabling an intelligent control architecture with dedicated software

## Facility Integration: PlantPax & Endress + Hauser

*Jay Neppel, Key Accounts Group Manager, Endress + Hauser*

Get first-hand knowledge on what hardware and software enhancements will be released in the upcoming year and what developments are in store for the future.

Find out how these enhancements address



specific customer needs across all aspects of the architecture and how Rockwell Automation & Endress + Hauser provide an integrated offering unique in industry.

## Case Study: Batch System Example Using PlantPax

*Greg Skovira, President, EZ Soft*

Learn about current implementation practices for Batch Manufacturing with an emphasis on architecture and standards.

Overview includes:

The Batch Model

- The current gold-standard for batching is the ISA – S88 Batching Standards.

The Components of Batch

- Interface to MES/Business Systems
- Recipe Management Maintenance
- Batch Management
- Data Acquisition
- Reporting

The Tools

- Integrated Architecture
- ControlBuilder

This discussion will provide examples of how good standards and an integrated architecture dramatically improve quality, productivity and profit in a modern manufacturing environment.

## Case Study: Efficiency/Yield Improvement Using Integration Strategies

*Steve Mobley, Process-Controls Engineer, Medal*

- More powerful , faster processor
- More powerful instruction set
  - Multiple Structures for writing code, SFC, Ladder, Function Blocks,



Structured Text

- More memory

- More and faster communications options
- Simplification of PLC logic to S88 compliant modular code
- Phase Manager
  - Automatic creation of phases from Batch Model
  - Phases automatically linked to Batch engine for full control
- Batch recipe management system
  - Easily create and modify batches
  - Phases are modules of reusable code
  - Process Engineers and Production managers can create and modify recipes without the need for a PLC programmer
  - More efficient equipment allocation and reduced risk of product contamination
- Batch records of sequential events thought out the batch for tracking and trouble shooting

To Register please contact Barb Dever: [BDever@rumsey.com](mailto:BDever@rumsey.com) or (610)832-9150

# ISA September Meeting: Bioreactor Process Control

September 15, 2010 5:15pm - 7:45pm

Also please stay for ISA's monthly meeting which will start shortly after the Process Summit in Rumsey's Auditorium. Speakers William Bunk – Engineering Mgr & Martin Lotito PE – Senior Project Mgr from GlaxoSmithKline BioPharm R&D will speak on BioReactor Process Control. The presenters will offer their knowledge, experience and perspective on this challenging topic.



Setting the Standard  
for Automation™

Register today at [www.isa-philly.org](http://www.isa-philly.org)

## Process Solutions User Group November 1st & 2nd, Orlando



Process Solutions User Group (PSUG) provides an opportunity for Rockwell users to exchange innovative ideas, learn best practices and seek solutions. Attendees will receive the opportunity to interface directly with Rockwell product

developers, sharing their thoughts and ideas for product improvement. At the end of the forum the group votes on the top 5 initiatives they would like Rockwell to focus on implementing in 2011. Attendees will also be the first to preview product development from the previous years' PSUG.

This year PSUG will begin on Monday, November 1st with voting sessions and customer application stories on Tuesday, November 2nd. The week continues with available PlantPax Labs, Workshops, Backrooms and TechSessions on Wednesday and Thursday November 3rd and 4th at Automation Fair 2010.

Register for this years Process Solutions User Group by visiting [www.rumsey.com/automationfair.htm](http://www.rumsey.com/automationfair.htm) Once you have completed registration please don't forget to sign up for Rumsey's travel package.

## Automation Fair November 3rd & 4th, Orlando

At this year's Automation Fair, many targeted industrial forums and labs will provide a fantastic educational experience for professionals at all levels. The complete program includes over 50 Technical Sessions, more than 20 Hands-On Labs and 8 focused Industry Forums. More than 100 Rockwell Automation Partner companies are expected to display their latest innovations and products. The Fair will be held at the Orange County Convention Center in Orlando, Florida November 3 and 4, 2010. **Registration is now Open!**



If you're interested in attending the 2010 Rockwell Automation Fair and want to get the most out of your business travel – sign up for Rumsey's travel package.

### Rumsey's 2 night Travel Package:

- 2 Nights Hotel Stay at the Hilton Grand Vacations Club (Tuesday, November 2nd through Thursday, November 4th)
- Breakfast and lunch on Wednesday and Thursday.
- Spectrum hospitality event on Tuesday.
- Dinner at the Texas De Brazil on Wednesday.
- All Ground Transportation to/from events above

**Only \$345.00! (+ airfare)**

For details talk to your Rumsey Representative or call 610-832-9018.