

Event Location

BridgeValley Advanced Technology Center
1201 Science Park Drive,
South Charleston, WV 25303
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STATE ELECTRIC AUTOMATION EXPO

June 12-13, 2024

Featuring

- New Products and Technology from Rockwell Automation and their Technology Partners
- Technical Sessions
- Product Demos
- Hands-On Labs



Technology Partners



Endress+Hauser 



PDH Credits Available Upon Request

Register @ stateelectric.com/2024-automation-expo
stateelectric.com



Technical Sessions

1.5 Hour Sessions Available Once Per Day

Live DCS Technology Overview (PlantPax DCS)

Overview and demonstration of an operational pilot plant with over 50 instruments controlled by a Distributed Control System (DCS). Will show and discuss various aspects of the system, including standardized controller and HMI content, redundant controllers, instrumentation, fault-tolerant virtualized servers, resilient ethernet networks, networked motor control center, thin clients, mobile clients, remote access, protocol gateways, wireless communications, purged panel for classified areas, and field wiring solutions.

Instrumentation Optimized for Maintenance (Endress+Hauser)

Learn how improved Connectivity Options, Guided Menu Commissioning, and Heartbeat Verification can ease the integration and maintenance of instrumentation within your plant. Modern Coriolis flow meter technology has a lower total cost of ownership than ever before with features that make life easier and safer for instrument technicians. Commissioning your instrumentation and getting the data into your control system has never been easier.

Improve your Production with a Smart Manufacturing Platform (Plex)

Focusing on combining your operations from both the IT and OT sides of the house while connecting directly to your machines will allow you to truly bridge the gap of information. Learn about a cloud-based solution that was built from the ground up to enable manufacturers to obtain all the information from your connected assets, operators, and departments to turn that real-time information into actionable insights that enables an increase in inventory turns, reduces downtime, and increases profitability.

Putting the "AI" into Maintenance (Fiix)

See how AI can power improvements in your Maintenance operations. The session will discuss a complete cloud-based software-as-a-service CMMS software powered by the first and only AI engine for Maintenance. It allows maintenance teams to manage their operations in an easy to use, mobile first, integrated platform with a quick time to value. Easily schedule and track Work Orders, monitor Asset Health and track Parts Inventories. Use real-time data to generate advanced analytics and actionable asset intelligence.

Visualization Software that Improves Data Access (FactoryTalk Optix)

In the digital age control system data has become a critical factor to aid in troubleshooting and improve bottlenecks in production. Selecting a visualization platform that enables data connectivity to other systems, software, and databases is a foundational aspect to those performance enhancements. Learn about a modern visualization platform that leverages the cloud for collaborative development and technologies like OPC UA and MQTT for data access. C# scripting is available for more custom applications.

Advanced VFD Capabilities - Low Harmonics, Regeneration, and More (PowerFlex 755T Family)

Discover the next generation VFD, incorporating TotalFORCE technology for powerful motor control, adaptive control capabilities, predictive maintenance, and XT Options. This smart technology combines flexible, high-performance motor control, advanced self-monitoring capabilities and a real-time digital platform that provides data that can make the difference between profit and loss. Customers leverage the rich diagnostic and predictive analytic insights to make smart operation, energy, and predictive maintenance decisions.

Improve Drive Performance and Reduce Downtime with VFD Rated Cable (Service Wire)

Maximize the life and performance of critical drive systems with the VFD Cable System that has been proven by independent lab and field-testing to reduce or prevent motor bearing failure, premature cable failure, stray currents, and electromagnetic interference. Cable selection and proper termination is critical to reducing the effects of high frequency with today's variable frequency drives. Cable configuration, cable design, and proper cable termination are critical to successful drive installations.

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Hands-On Labs

1.5 Hour Lab Limits – Register For Labs At Event Check-In

Cloud-Based Labs w/ Remote Hardware

Studio 5000 Logix Designer - Basic Lab
Studio 5000 Logix Designer - Advanced Lab
Rockwell Automation Foundations: Drives
Rockwell Automation Foundations: Networks

Cloud-Based Labs – Software Only

Studio 5000 Basic/Advanced Labs – FactoryTalk Logix Echo Controller Emulation
PlantPAx 5.20 Introduction to PlantPAx Engineering using Process Libraries
GuardLogix Safety Application Lab - Basic, Speed Monitoring, Position Monitoring, Safe Brake Control
Design for Micro Control with Connected Components Workbench Software
Micro800 modernization – MicroLogix to Micro800 migration tools lab
FactoryTalk View Site Edition v14 Basic Hands-on Lab
Machine-level HMI with FactoryTalk View Machine Edition - Basic Lab
FactoryTalk Optix Creating your first HMI Project
FactoryTalk AssetCentre v11 Basic Hands-on Lab
FactoryTalk Historian SE Basic Configuration
Introduction to the Design and Implementation of FactoryTalk® Security in a Control System
Integrated Architecture Builder and ProposalWorks: Basic Lab

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