GLOBAL
Business
Minds

Detailed Training on EXP-6000: Experion PKS and EXP-01: Experion PKS - System Overview and Controller Operation

TRAIN

Introduction
This comprehensive 5-day training program, delivered by Global Business Minds, will equip participants with in-depth knowledge and practical skills in the design, implementation, operation, and maintenance of Honeywell's Experion PKS process control system
Participants will learn about the Experion PKS architecture, hardware and software components, communication protocols, and user interfaces
They will also gain hands-on experience in configuring, controlling, and troubleshooting Experion PKS systems

Day 1: Introduction to Experion PKS
• Overview of Experion PKS and its role in process control
• Understanding the Experion PKS architecture, including the Experion PKS Server, Fault Tolerant Ethernet (FTE) network, and C200/C300 controllers
• Familiarization with Experion PKS hardware and software components
• Exploration of Experion PKS communication protocols, including Ethernet, Modbus, and Profibus
• Overview of Experion PKS user interfaces, including the Station and Operator displays, and HMIWeb graphic displays
Day 2: Configuring Experion PKS Systems
• Hands-on experience in configuring Experion PKS systems
• Creating and managing process objects, such as controllers, points, and graphics
• Defining control strategies using function blocks
• Implementing alarm and event management
• Configuring communication interfaces
• Testing and commissioning Experion PKS systems
Day 3: Operating Experion PKS Systems
• Monitoring and controlling process variables using standard operating displays, faceplates, and group displays
• Implementing manual control and setpoint changes
• Responding to alarms and events
• Trending process data to identify trends and anomalies
• Archiving process data for historical analysis
Day 4: Troubleshooting Experion PKS Systems
• Identifying common Experion PKS problems and their causes
• Troubleshooting communication problems
• Troubleshooting controller problems
• Troubleshooting alarm and event problems
• Troubleshooting graphic display problems
• Using diagnostic tools to identify and resolve issues
Day 5: Advanced Topics in Experion PKS
• Implementing advanced control strategies, such as cascade control and feedforward control
• Integrating Experion PKS with other systems, such as enterprise resource planning (ERP) and supervisory control and data acquisition (SCADA) systems
• Staying up-to-date with the latest advancements in Experion PKS technology
• Addressing emerging trends and future directions in Experion PKS
Target Audience
This training program is designed for engineers, technicians, and professionals involved in the design, implementation, operation, and maintenance of Experion PKS systems in various industries, including:
• Oil and gas

- Petrochemical
- Power generation
- Chemical
- Pharmaceutical
- Water and wastewater treatment
- Manufacturing
- Food and beverage
- Utilities

Learning Outcomes

Upon completion of this training program, participants will be able to:

- Demonstrate in-depth knowledge of Experion PKS, including its architecture, hardware and software components, communication protocols, and user interfaces
- Configure, control, and troubleshoot Experion PKS systems
- Implement advanced control strategies using Experion PKS function blocks
- Integrate Experion PKS with other systems
- Stay up-to-date with the latest advancements in Experion PKS technology
- Address emerging trends and future directions in Experion PKS

Certificate Delivered by Global Business Minds:

- Certificate of Completion in EXP-6000: Experion PKS and EXP-01: Experion PKS - System Overview and Controller Operation

Additional Notes

- This detailed professional training program can be tailored to specific industry requirements and application needs

- Hands-on exercises and case studies can be customized to reflect real-world challenges and scenarios faced by participants

- The training can be delivered in a blended format, combining in-person sessions with online modules for flexibility and accessibility

- Global Business Minds can provide ongoing support and resources to participants to ensure their continued success in Experion PKS