

## **EXPERION PKS: FUNDAMENTALS – CONTROLLER ORION OPERATION**

### **COURSE OVERVIEW**

**Course Number: EXP-01OR**

**Course Duration: 3 Days**

**Prerequisite Course (s): None**

From this Experion® Process Knowledge Solutions (PKS) Orion Console-based course, you will learn the operation of the Experion PKS System consisting of the Experion PKS Server, the Fault Tolerant Ethernet and C200/C300 controllers. Standard Experion PKS Station displays and HMIWeb graphic displays for Experion PKS are used to control and monitor both analog and digital process points and to monitor process alarms.

### **COURSE DELIVERY OPTIONS**

- Asynchronous Training (AT)
  - Self-paced with 10 days to complete

### **COURSE OBJECTIVES**

- Log on and off the Experion PKS Station with Station and Operator based logon
- Overview of Orion Console
- Use Windows navigation tools
- Operate using Operator Touch Panel
- Manage Windows using the SafeView control environment
- Use Tabbed display functionality with SafeView environment
- Use standard operating displays including the Experion PKS Faceplates, Group displays, and Point Detail displays
- Use Point Detail display and faceplates to make process changes
- Identify control conventions (automatic, manual, cascade, PV tracking, and program)
- Identify color conventions
- Use Alarm displays and HMIWeb displays to identify and respond to abnormal conditions
- Identify Alarm Help Integration
- Use Alarm Shelving and Dynamic Alarm Suppression to reduce the alarm flood and increase the operators' efficiency
- Use Alarm Tracker to establish situational awareness
- Use the Enterprise Model concepts to manage plant Assets
- Use Procedural Operations – Interactive Instructions to combine manual operations with automatic operations in a consistent manner
- Use Trends and Group Trend displays to analyze process upsets.
- Use Reporting and Event retrieval tools to customize reports and displays
- Access the built-in online Help documents