

## **EXPERION PKS: FUNDAMENTALS – CONTROLLER AND TPS OPERATION**

### **COURSE OVERVIEW**

**Course Number: EXP-13**

**Course Duration: 4 Days**

**Prerequisite Course (s): None**

From this Experion PKS Station for C200/300 and TPS based course you will learn the operation of the Experion PKS System with the connection to both the C200/300 and the TotalPlant Solution (TPS) System. You will use equipment and displays consisting of the Experion PKS Station, Experion PKS Server, the Fault Tolerant Ethernet, C200/300 Controllers and Local Control Network (LCN) with the Universal Control Network (UCN), and High Performance Process Manager (HPM) process points. Standard Experion PKS Station for TPS 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
- Instructor-Led Training (ILT)
- Virtual Instructor-Led Training (VILT)

### **COURSE OBJECTIVES**

- Log on and off the Experion PKS Station for TPS, including Station and Operator based logon
- Use window navigation tools
- Manage windows using the SafeView control environment.
- Use standard operating displays including the Experion PKS TPS 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)
- Navigate through standard operating displays
- Identify color conventions
- Use Alarm displays and HMIWeb displays to identify and respond to abnormal conditions
- Use Alarm Displays to view alarm trends
- Use Alarm Displays to view Suppressed Alarms
- Use Alarm Displays to shelve process Alarms
- Use the Enterprise Model concepts to manage plant Assets
- Use TPS dashboard displays
- Identify and use tools available on the Experion PKS system to analyze process upsets. Use Trend displays
- Use the many Reporting and Event retrieval tools to customize reports and displays
- Access the built-in online Help documents