

# Experion<sup>®</sup> Process Knowledge System (PKS) TotalPlant<sup>®</sup> Solution (TPS) Operator



## Course Overview

**Course number:** EXP12R310

**Course length:** 4 days

From this Experion PKS Station for TPS (ES-T) based course you will learn the operation of the Experion PKS System with the connection to the **TotalPlant Solution (TPS) System**. You will use equipment and displays consisting of the Experion PKS Station for TPS (ES-T), Experion PKS Server for TPS (ESVT), the Fault Tolerant Ethernet (FTE) and Local Control Network (LCN) and 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 for TPS are used to control and monitor both analog and digital process points and to monitor process alarms.

## Course Benefits

### Efficient operation of your Experion PKS System

- Operate with confidence
- Transition smoothly to a new control system
- Use the standard control displays effectively
- Use Experion PKS's HMIWeb graphic displays to control and monitor the process
- Interpret process trend displays for better control
- Understand the process and system alarm indications for quicker response to process and system upsets

## Course Delivery Options

- In-Center Instructor-Led Training
- On-Site Instructor-Led Training (Site customization with your graphics and/or procedures can be provided.)

## Who Should Take This Course?

### Experion PKS Station for TPS Operators

- Requiring basic PC and Server based Distributed Control System (DCS) training
- Needing to understand the differences between TPN (US and GUS stations) and the Experion PKS Station for TPS operating environments
- Needing refresher training on operating the Experion PKS Station for TPS

## Prerequisite/Skill Requirements

### Prerequisite Course(s)

- None

### Desirable Skills and/or Experience

- Working knowledge of your process
- Working knowledge of TPS
- Basic Windows 2003 skills: power up, log on, start a Program from the Start Menu, drag a window, minimize and maximize a window, close a window, log off, shut down

## Course Topics

### You will learn how to...

- 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 the Enterprise Model concepts to manage plant Assets
- 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

## Additional Training

To increase your knowledge and skills, there are additional courses available from Automation College.

For viewing the schedule, please visit [www.automationcollege.com](http://www.automationcollege.com).