

# Experion® Process Knowledge System (PKS) Server Engineering and Configuration



## Course Overview

**Course number:** EXP02

**Course length:** 4.5 days

### Need to plan and implement your Experion® PKS System?

This course provides participants the ability to perform the following tasks as applicable to the Experion PKS System:

- Plan the system. This includes the planning of the Server, Stations, and the Fault Tolerant Ethernet
- Configure the Server. This includes setting up the Enterprise Model, SCADA Points, Alarms, Alarm Groups, and Preformatted and Custom Reports
- Integrate Experion PKS to OPC servers and Honeywell TPS.
- Use Experion PKS data in other applications

The course is divided into two sections.

The first one half-day section presents the basic concepts and strategies needed to develop guidelines for effective and consistent planning of the system.

The second section is an extensive hands-on, four-day workshop. Participants will build and configure the server. A final Project will summarize the learning.

## Course Benefits

### Efficient Experion PKS System planning, and implementation of your Server

- Conceptual understanding of the server to enable optimum utilization.
- Design and configure the server for optimum data collection.

## Course Delivery Options

- In-Center Training
- Customer Site Training

## Who Should Take This Course?

### EXPERION PKS System Implementers

Experion System Engineering and configuration tasks can impact the following job roles. Other job roles performing these tasks could also participate.

- **Experion System or Application Engineer** responsible for configuring the server, adding to or changing the server configuration.

## Prerequisite/Skill Requirements

### Prerequisite Course (s)

- None

### Required Skills and/or Experience

- Working knowledge of Windows 2003 Server or XP.

### Desirable Skills and/or Experience

- Plant, process, and Distributed Control System tag knowledge

## Course Topics

### You will learn how to....

- Recognize the role of the major hardware and software components and learn how data flows through the Experion PKS Server
- Plan the Experion PKS Server and the Fault Tolerant Ethernet
- Configure Stations : Flex, Console, and Console Extensions
- Configure Report printers
- Use the Configuration Studio for Server configuration
- Configure the Experion PKS Server for Process Control functionality such as:
  - Enterprise Model including Assets and Alarm Groups
  - SCADA Controllers, Channels, and Points
  - Alarm Settings
  - Alarm, Event, and Message Summaries
  - SCADA Point Algorithms
  - History Archiving
  - Group and Trend Displays
  - Point schedules
  - Alarm Paging
  - Recipes

- Configure additional functionality such as:
  - Distributed System Architecture which allows multiple Experion PKS servers to share point data
  - Data exchange with Microsoft Excel
  - Batch Reports
- Configure integration functionality
  - Integration to Honeywell TPS systems
  - Connection to OPC Servers

### **Additional Training**

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

**For more information and registration, visit [www.automationcollege.com](http://www.automationcollege.com).**