

## EXPERION PKS: FUNDAMENTALS – SERVER ENGINEERING AND CONFIGURATION IMPLEMENTATION

### COURSE OVERVIEW

**Course Number: EXP-02**

**Course Duration: 4.5 Days**

**Prerequisite Course (s): None**

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 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 workshop. Participants will build and configure the server.

### COURSE DELIVERY OPTIONS

- Asynchronous Training (AT)
  - Self-paced with 10 days to complete
- Instructor-Led Training (ILT)
- Virtual Instructor-Led Training (VILT)

### COURSE OBJECTIVES

- 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 Flex, Console, and Console Extensions stations and Report printers
- Use the Configuration Studio for Server configuration
- Configure integration functionality
  - Integration to Honeywell TPS systems
  - Connection to OPC Servers
- Configure the Experion PKS Server for Process Control functionality such as:
  - Enterprise Model including Assets & Alarm Groups
  - SCADA Controllers, Channels, and Points
  - Alarm Settings
  - Alarm, Event, and Message Summaries
  - Dynamic Alarm Suppression
  - Alarm Tracker
  - SCADA Point Algorithms
  - History Archiving, Group and Trend Displays
  - Point schedules, Alarm Paging, and SCADA Recipes
  - Dynamic scanning
- Configure additional functionality such as:
  - Distributed System Architecture
  - Data exchange with Microsoft Excel and Batch Reports
  - Building Equipment
  - Electronic Flow Meter