

Experion PKS: Fundamentals - Graphics Design and Building Implementation



Course Overview

Course number: EXP-03

Course length: 4 days

Need to plan and implement your Experion® Process Knowledge System (PKS) Graphic Displays?

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

- Develop Display Design Guidelines
- Build HMIWeb Displays for Experion PKS

Graphics display training is divided into two sections:

The first section presents the basic concepts and strategies needed to develop guidelines for effective and consistent Display Design.

The second section is an extensive hands-on workshop. Participants will develop Experion PKS operating displays using the HMIWeb Display Builder. Lab exercises also include practice in building components for shape libraries.

Course Benefits

Efficient planning and implementation of your Experion PKS System

- Conceptual understanding of graphic building guidelines to enable efficient display design
- Design and construct display to create an effective interface for Plant Operations

Course Delivery Options

- In-Center Instructor-Led Training
- On-Site Instructor-Led Training

Who Should Take This Course?

Experion PKS System Implementers

Graphics Design and Display Building tasks can impact the following job roles. Other job positions performing these tasks could also benefit from this training.

- **System or Application Engineers** responsible for designing and creating Operator displays
- **Maintenance Engineers or Technicians** responsible for adding new displays or troubleshooting existing displays
- **Operators** responsible for specifying, modifying and/or implementing Operator displays

Prerequisite/Skill Requirements

Prerequisite Course(s)

- None

Required Skills and/or Experience

- Working knowledge of Windows Server 2016 Standard 64bit

Desirable Skills and/or Experience

- Plant, process or controls knowledge
- Operator display design or specification familiarity

Course Topics

You will learn in how to...

Develop a Display Design Guide considering performance and capacity available on your Experion PKS system:

- Specify Operator interaction with displays
- Design display level hierarchies, point manipulation options, navigation
- Specify Shape Libraries
- Specify Display Standards
- Specify file naming conventions and directory structure for displays
- Build Displays using HMIWeb Display Builder:
 - Use tools and navigation options
 - Use Tabbed display option

Course Topics continued...

- Enable callout Options versus Messages
- Create new operating displays
- Create display elements
- Use the Shape Library
- Create templates, dynamic shape files, shape sequences, trends and popups
- Use Display validation option
- Allow fast update option for data bound objects
- Insert shapes into operating displays
- Specify standard faceplate behavior
- Create custom faceplates and configure faceplate behaviors
- Use the Script Editor
- Attach scripts to objects
- Add hyperlinks and other navigation techniques
- Use Cascade Style Sheets
- Use Shortcut Menus
- Configure security level changes from HMIWeb Displays
- Build SafeView configurations to manage displays
- Use Honeywell Solution Pack
- Create and manage Display Repository
- Use LRN Functions of HMIWeb Display Builder
- Create HMIWeb Display reports
- Use of Alarm Group Generator

Additional Training

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

For more information and registration, visit www.honeywellprocess.com/en-US/training.