

EXPERION HS CONFIGURATION AND CONTROL STRATEGY IMPLEMENTATION

| Honeywell PMC Academy

COURSE OVERVIEW

The Experion HS - DCS Controller Configuration and Programming course is tailored for Process Engineers, Maintenance Engineers, and Safety Engineers. This course provides in-depth training on the configuration and operation of Experion DCS Control systems. Participants will learn to configure controllers, perform advanced programming, manage data acquisition, and monitor system operations. The course covers essential tools and techniques for building and commissioning control loops, configuring trends and history, and generating reports.

By the end of the Experion HS - configuration and control strategy course, participants will have the skills to effectively configure and operate Control systems. This training ensures proficiency in advanced programming, system monitoring, and data management.

COURSE DURATION

3 Days

TARGET AUDIENCE

Process Engineers

HANDS ON TRAINING

Hands-on Training will be arranged during the session.

CERTIFICATE

Participants certification will be issued at the end of the course.

KEY LEARNING OBJECTIVES

Participants will learn to:

- Configuration Studio & Quick Builder Overview
- Monitor and Operate the Process Operation using:
 - ✓ Group & Detail displays
 - ✓ Process Alarms
 - ✓ System Alarms
 - ✓ Experion Trends
 - ✓ Events
- SCADA Controller Overview (CE PLC)
- Perform Controller IO configuration
- Perform history configuration
- Perform Report generation
- Ladder Logic Programming
 - ✓ Introduction to Ladder Logic
 - ✓ Starting and Testing a Ladder Diagram
 - ✓ Logic Gate, Timing and Counting Functions
 - ✓ Arithmetic Operations in Ladder Logic
- Function Block Diagram (FBD)
 - ✓ Overview of Honeywell Function Blocks
 - ✓ Ethernet/IP Function Blocks
 - ✓ HWFBLib and Func Lib
 - ✓ HART and Unit Conversion Function Blocks
 - ✓ Utility FB Libraries
- Instruction List (IL) Programming
 - ✓ Operators and Modifiers
 - ✓ Labels and Syntax
 - ✓ Instruction List Programming Concepts
- Structured Text (ST) Programming
 - ✓ Syntax and Programming Structure

(If Then, Case Of, For Do, While Do, Repeat Until)

For more information
automation.honeywell.com

**Honeywell Process Measurement
and Control**

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