CE HC900 CONTROLLER
PROGRAMMING WITH BASIC AND ADVANCED FUNCTION BLOCKS

Honeywell PMC Academy

COURSE OVERVIEW

This course provides hands-on training in programming Honeywell's HC900 Controller. Participants learn to use basic and advanced function blocks in Hybrid Control Designer. It covers hardware overview, I/O blocks, PID control, math, logic, and sequencing tools.

By course end, participants can confidently configure and program the HC900 Controller. They gain practical skills in control strategy design and system optimization. This training enhances reliability and performance in industrial process operations.

COURSE DURATION

2 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:

- Hardware Overview
- Hybrid Control Designer Overview

Basic Function Block

- IO Blocks
    - ✓ AI/AO/ DI/DO Block Properties
- PID Block
    - ✓ PID Soft Start & Auxiliary Blocks
    - ✓ Position Proportional Output
    - ✓ PID Tracking
- Calendar and Compare Block
- Math's calculation Blocks
    - ✓ Square root, Absolute, Continuous Average, Min Max Average
- Alarm Blocks
- Free from Math
- Signal Selector Blocks
- Auxiliary Blocks
- Trigger and Selectable Block
- Timmer / Counter
- Free From Logic

Advanced Function Block

- Set Point Programmer
    - ✓ SPEV Block
    - ✓ Block Pins
    - ✓ Programmer properties
    - ✓ SP Profiles
- Recipe & Sequence
- Monitoring Blocks

Honeywell