

ML PLC CONFIGURATION AND CONTROL STRATEGY IMPLEMENTATION

| Honeywell PMC Academy

COURSE OVERVIEW

This course provides hands-on training in configuring and programming the ML 200R PLC for industrial control applications. Participants will learn to identify hardware components, plan system architecture with redundancy, and configure communication modules including Snet, FENet, and Profibus-DP.

The training covers memory management, variable handling, and data types, along with project development, monitoring, and debugging techniques. Learners will also explore function block programming, implement PID control, and integrate ML PLC with Experion using the MLDP protocol, ensuring a complete understanding of control strategy implementation.

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:

Hardware Identification

- Identify ML 200R CPU, I/O, Communication models

System Planning & Configuration

- I/O modules Selection
- Redundancy CPU and I/O Modules
- communication modules (Snet, FENet, Profibus-DP)
- ML 200R system architecture
- Soft Master Configuration

Memory & Data Handling

- Memory addressing in ML 200R
- Define and use variables
- Data types (BOOL, INT, REAL, etc.)

Project Development

- ML PLC software
- Redundancy functions in logic
- Configuration Download

Monitoring & Online Editing

- Start, pause, resume, and stop monitoring
- Online editing of logic & Force I/O for testing

Debugging & Troubleshooting

- Breakpoints, Reset PLC & Clear PLC memory

Function Block Programming

- Identify function blocks in ML PLC library
- PID function block

Communication Setup

- Configure Snet & FENet communication
- Set up Profibus-DP communication
- Troubleshoot communication modules

For more information
Honeywell PMC Academy

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