

# CONTROLLEDGE PLC/RTU ADVANCED PROTOCOL CONFIGURATION - II

## | Honeywell PMC Academy

### COURSE OVERVIEW

This course helps professionals master the configuration and integration of OPC UA, Ethernet/IP, and HART-IP protocols in industrial systems. It covers OPC UA security, client/server communication, Ethernet/IP architecture, and MQTT-based HART-IP connectivity. This course provides hands-on expertise in configuring and integrating industrial communication protocols.

Participants will explore OPC UA, Ethernet/IP, and HART-IP in depth, focusing on architecture, security, and real-time data exchange.

By the end of this course, participants will be able to confidently configure and troubleshoot OPC UA, Ethernet/IP, and HART-IP protocols. They will understand secure communication, client-server architecture, and real-time data integration.

### COURSE DURATION

- 1.5 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:

- OPC UA
  - ✓ Introduction
  - ✓ OPC UA Security Features
  - ✓ OPC UA Server Communication
  - ✓ OPC UA Client Function Blocks
  - ✓ OPC UA Client Configuration and reading Variables
  - ✓ OPC UA project sizing and performance
- Ethernet/ IP
  - ✓ Ethernet/IP implementation architecture and topologies
  - ✓ Network usage guidelines and recommendations
  - ✓ Configuring EtherNet/IP Client
  - ✓ Third-party controllers' communication
  - ✓ Configuring EtherNet/IP Server
- HART-IP
  - ✓ HART IP client (FDM) communication
  - ✓ HART Function Block communication

**For more information**  
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