

ControlEdge: Fundamentals - PLC (with Experion Integration) Implementation



Course Overview

Course number: CTE-0001-AT

Course length: 2 days (self-paced with 10 days to complete)

Need to implement ControlEdge PLC?

This course provides participants the ability to perform the following tasks:

- System Architecture, Introduction to Hardware
- Installation of ControlEdge Builder
- Configure ControlEdge PLC
- Troubleshooting and Maintenance of PLC
- ELMM with ControlEdge PLC

Course Benefits

Efficient planning and implementation of ControlEdge PLC

- Conceptual understanding to plan and implement a ControlEdge PLC
- Configure Experion Integration
- Monitor HART devices using Field Device Manager

Course Delivery Options

- [Asynchronous Training](#) (AT)
IMPORTANT – Prior to registration for the e-learning courses (AT, RT, VILT, and VT), you must perform the User Readiness Test. Go to [Asynchronous Training](#), [Recorded Training](#), [Virtual Instructor-Led Training](#), and [Virtual Training Access Requirements](#) to perform this test.

Who Should Take This Course?

- **System engineers or application engineers** who configure and modify ControlEdge PLC
- **Maintenance engineers or technicians** who add new logic, applications and control loops or troubleshoot existing
- Others, whose job functions include performing these tasks

Prerequisite/Skill Requirements

Prerequisite Course(s)

- None

Required Skills and/or Experience

- Knowledge of Windows Operating System
- Familiarity with Experion Implementation
- Note: This can be obtained by taking the EXP-02 course

Desirable Skills and/or Experience

- Plant, process, and controls knowledge

Course Topics

You will learn how to...

- Recognize the role of the hardware and software components of ControlEdge PLC
- Install and configure ControlEdge PLC
- Configure strategies to incorporate Data Acquisition, Regulatory Control and Discrete Logic
- Configure and monitor ControlEdge PLC, Local I/O and Expansion I/O
- Configure Serial Communication Module for supporting Serial Communication with CE PLC
- Configure Ethernet/IP devices and Ethernet/IP Server
- Troubleshoot typical errors faced during ControlEdge PLC configuration
- Integrate ControlEdge PLC with Experion PKS
 - Peer to Peer communication with C300 over CDA
- Configure ControlEdge PLC to interface with FDM over HART IP protocol
- Configure ControlEdge PLC to interface with Experion PKS over OPC UA
- Configure ControlEdge PLC to interface with Experion PKS over DNP3

Course Topics continued...

- Configure Controller Simulator
- Migrate LM to ELMM with ControlEdge PLC

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.