Course Overview
Course number: CTE-0001-VILT
Course length: 2 days

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
• Virtual Instructor-Led Training (VILT)
  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