

## **CONTROLEDGE.: FUNDAMENTALS – RTU (WITH EXPERION INTEGRATION) IMPLEMENTATION**

### **COURSE OVERVIEW**

**Course Number: CTE-0002**

**Course Duration: 2 Days**

**Prerequisite Course (s): None**

This course provides participants the ability to perform the following tasks as applicable to ControlEdge RTU:

- Plan the system. This includes the planning, operating, integrating the ControlEdge RTU
- Configure and program the ControlEdge RTU for communication with SCADA servers such as Experion® and asset management systems like FDM
- Program ControlEdge RTU for performing metering functions compliant to AGA standards for gas and API 11.1, API 21.1 standards for liquids
- Configure and commission Wireless I/O in ControlEdge RTU

### **COURSE DELIVERY OPTIONS**

- Asynchronous Training (AT)
- Virtual Instructor-Led Training (VILT)

### **COURSE OBJECTIVES**

- Overview of ControlEdge RTU
- ControlEdge RTU hardware familiarization and specifications
- Components of ControlEdge RTU
- Topologies supported by ControlEdge RTU
- Configuration of ControlEdge RTU, Its Onboard and Expansion I/Os
- HART support for onboard and Expansion I/Os
- Overview of Controller Simulator and its features
- Programming the ControlEdge RTU and Controller Simulator
- ControlEdge RTU-SCADA communication using DNP3 and Modbus protocol
- ControlEdge RTU-FDM communication
- Configure data logging in ControlEdge RTU
- EFM Configuration in ControlEdge RTU and SCADA
- ControlEdge RTU diagnostics
- Wireless I/O
- Security Features Supported by ControlEdge RTU