

## **EXPERION LX: ADVANCED – CONFIGURATION, GRAPHICS BUILDING AND CONTROL STRATEGY IMPLEMENTATION**

### **COURSE OVERVIEW**

**Course Number: ELX-0002**

**Course Duration: 4.5 Days**

**Prerequisite Course (s): ELX-0001**

This course provides participants the ability to perform the following Experion LX System tasks:

- FTE (Fault Tolerance Ethernet) specification
- Third party SCADA interfacing with scripting
- Build control strategies using Experion LX Control Builder software to create more complex Sequential Control Modules with recipe functionality
- Use Experion LX HMI Web software to configure the HMI to provide user interface including shapes and scripts

The course presents the C300 Controller with Series 8 I/O and Console/Flex Station hardware. The course includes hands-on lab exercises where students develop Sequential Controls (Batch) and Control Station configurations using Experion Control Designer and Station Designer software.

The course is divided into three sections. It covers the C300 Controller with Sequential Control functionality, SCADA data interface and operator graphical interface.

### **COURSE DELIVERY OPTIONS**

- Asynchronous Training (AT)
- Instructor-Led Training (ILT)

### **COURSE OBJECTIVES**

- Select the proper Experion LX hardware for your application:
  - Fault Tolerance Ethernet overview
  - Process Server overview
  - Console Station overview
  - Flex Station overview
  - C300 Controller
  - Series 8 IOM
- System Architecture Overview:
  - FTE principles and configuration
  - Server Redundancy
- Several Experion LX software interfaces such as:
  - Configuration Studio
  - Control Builder
  - Quick Builder
  - HMIWeb Display Builder
- Principle of Control Builder
- Control Strategy configuration
- Control Strategy Management:
  - Import/Export control strategy
  - Backup/Restore C300 Controller
  - Backup/Restore Control Strategy Database
- Station Configuration:
  - Build/configure Flex Station
  - History archiving
  - History archiving management
- Communication between Experion LX and SCADA
- Distributed System Architecture
- Develop your Experion LX operation interface:
  - User graphic principle
  - Use HMIWeb Display Builder to design user graphic
  - HMIWeb Display Builder Scripting
  - HMIWeb Display Builder Solution Package
- System Security