

## EXPERION LX: FUNDAMENTALS – OPERATIONS AND MAINTENANCE

### COURSE OVERVIEW

**Course Number:** ELX-0003

**Course Duration:** 5 Days

**Prerequisite Course (s):** None

This course explains the Experion LX System overview and provides participants the ability to perform the following Experion LX System tasks such as:

- Navigate through Station, various types of Displays and its objects
- Monitor and operate general process operations
- Operate, monitor, and change parameters from Experion Group Displays, Detail Displays
- Monitor, recognize process Alarms, Events, Trends, and act on process upsets
- Generate reports

The course presents the C300 Controller, UOC Controller, their I/Os and Console/Flex Station hardware. The course includes hands-on lab exercises where students navigate, monitor, handle Alarms, Events and operate the process upsets.

The course is divided into two sections. It covers the Operations and Maintenance.

### Course Delivery Options

- Instructor-Led Training (ILT)
- Virtual Instructor-Led Training (VILT)

### COURSE OBJECTIVES

- Know different Experion LX System architectures
- Navigate through Experion Station and various Displays
- Monitor and operate the process operation using:
  - Group Displays
  - Detail Displays
  - Process Alarms
  - System Alarms
  - Experion Trends
  - Events
- Extract Experion data and use in other applications using Microsoft Excel Data Exchange
- Configure History Assignment and Archiving
- Know HMIWeb Display Builder functions
- List Report Types and configure pre-formatted Report
- System security
  - Station-based security
  - Operator-based security
- Control Builder introduction
- Enterprise Model and Asset Model
- Identify C300 and UOC hardware components
- Database Administration tools
- Define the troubleshooting process, identify common failure modes and solutions, and describe Redundancy Restore
- Understand, install, and configure System Management (SES/SPS)
- Experion LX Engineer Station performance, Shelve Alarm and Dynamically suppress Alarm
- Describe FTE Status Display
- Describe Maintenance recommendations
- Troubleshooting resources, troubleshooting information in PDF Collection and Station help