

EXPERION LX: FUNDAMENTALS – CONFIGURATION, GRAPHICS BUILDING AND CONTROL STRATEGY IMPLEMENTATION

COURSE OVERVIEW

Course Number: ELX-0001

Course Duration: 4.5 Days

Prerequisite Course (s): None

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

- Configure Experion LX Flex operator stations and C300 controllers with series 8 input / output modules
- Build Basic control strategies using Experion LX Control Builder software to create process control logic and Sequences
- Use HMI Web graphic software to create basic operator displays for control

The course presents the C300 Controller and Console/Flex Station hardware platforms. It includes hands-on lab exercises where students develop Function Block diagrams and Operator Station configurations using Experion LX Configuration Studio.

The course is divided into three sections. It covers the C300 Controller with its Series 8 I/O Modules, Operator Flex stations and Building basic operator graphics with HMI Web.

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
- Choose the proper Experion LX software for your application:
 - Configuration Studio
 - Control Builder
 - HMIWeb Display Builder
- Principles of Control Builder
- Control Strategy configuration:
 - C300 Controller Configuration
 - Series 8 IOM Configuration
 - CDA Control Module Configuration
 - PID Control Module Configuration
 - DevCtl (Device Control) Control Module Configuration with interlocks
 - Sequential Control Module Configuration
- Station Configuration:
 - History assignment
 - History archiving
 - System Event archiving
 - Trend/ operation group configuration
- Develop your Experion LX operation interface:
 - User graphic principle
 - Use HMIWeb Display Builder to design a graphic user interface
- System Security
 - Station-based security
 - Operator-based security