

## **MASTERLOGIC: FUNDAMENTALS – 200R IMPLEMENTATION**

### **COURSE OVERVIEW**

**Course Number: ML-1001-AT**

**Course Duration: 4.5 Days**

**Prerequisite Course (s): None**

This course provides participants the ability to perform the following ML 200R System tasks:

- Identify ML 200R CPU, I/O Modules, Communication modules
- Plan the ML 200R PLC including the selection of appropriate I/O, redundancy, and communications
- ML 200R configuration and use of SoftMaster
- Understanding memory addressing, variables, and data types
- Building a project, implementing redundancy functions, and downloading to PLC
- Monitoring basics (Start/Pause/Resume/Stop monitoring), online editing, and force I/O
- Debugging basics, use of breakpoints, reset, and clear PLC
- Identify function blocks in library
- Implement PID function block
- Communicate via Snet, FEnet, and Profibus-DP modules
- Integrate with Experion via MLDP protocol
- LM to ML migration concepts

The course presents the basic concepts and strategies needed to develop guidelines for effective and consistent planning of the system. Lab exercises will include troubleshooting typical errors in configuration.

### **COURSE DELIVERY OPTIONS**

- Asynchronous Training (AT)
  - Self-paced with 10 days to complete
- Instructor-Led Training (ILT)

### **COURSE OBJECTIVES**

- Identify and configure hardware settings
- Describe ML 200R operating characteristics
- Use SoftMaster and Network Manager
- Use ML 200R function block library
- Integrate ML 200R with Experion PKS/HS/LS
- Plan LM to ML migration