



YOKOGAWA

PLC Fundamentals for Factory Automation (FA-M3)

This 5-day course is designed to provide participants with in-depth knowledge and skills to configure FA-M3 System, generate sequence loops, configure SCADA software and generate mimics to communicate to FA-M3 objects.

Day 1

- ◆ Number System
- ◆ Boolean Arithmetic
- ◆ Truth Table
- ◆ Logic Gates
- ◆ Ladder Diagram
- ◆ FA-M3 Overview
- ◆ FA-M3 Configuration
- ◆ I/O Modules and Addressing

Day 2 & 3

- ◆ FA-M3 Software
- ◆ Widefield Programming Tool
- ◆ Widefield Screen Lay-out
- ◆ Project Creation
- ◆ Program Monitor

Day 4

- ◆ EQVue
- ◆ Overview
- ◆ Project Creation
- ◆ Creating mimic
- ◆ Basic Graphic Creation
- ◆ Creating Variables

Day 5

- ◆ Mini Project

Hands-on Activities

- ◆ Boolean Arithmetic
- ◆ FA-M3 Hardware Setup
- ◆ Project Creation
- ◆ Application Generation using
 - Ladder Diagram
- ◆ Generating Sequence Control Schemes
- ◆ Downloading and Program Monitoring
- ◆ HMI Generation

Participants should be Plant Engineers who are involved in the design, modification and maintenance FA-M3 hardware and software as well as users who will perform generation and modification of HMI.

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