

Au2mate Academy

BASIC INTRODUCTION TO SIEMENS PLC/HMI – SIEMENS TIA PORTAL

COURSE NO. 12: BASIC INTRODUCTION TO SIEMENS PLC/HMI – SIEMENS TIA PORTAL

PROGRAM - SHORT DESCRIPTION · DURATION: 3 DAYS - 08:30-16:00

Target audience

The course is targeting technical personnel/service personnel with responsibility for service and maintenance of PLC/HMI systems from Siemens, and who need a quick introduction to the Siemens TIA portal programming/service tools.

Prerequisites

Basic knowledge regarding automation technology and equipment.
User of Windows based PCs.

Short description

Basic introduction to Siemens PLC/HMI equipment and related Siemens TIA portal programming tools. The course will focus on Siemens S7-400 and S7-1500 PLCs and Siemens touch panels.

The course will cover topics such as:

- Introduction to Siemens PLC & HMI equipment
- Introduction to Siemens TIA portal
- Introduction to Siemens Step 7 programming for PLCs
- Introduction to Siemens WinCC configuration for HMI panels
- Introduction to addressing of modules/equipment
- Configuration of hardware/connections
- Introduction to Step 7 basic functions
- Introduction to WinCC basic functions
- Step 7 programming examples in LAD & STL
- WinCC (for HMI) configuration examples
- Programming of small PLC & HMI applications
- Download & test of configuration & applications
- Fault finding

Objectives

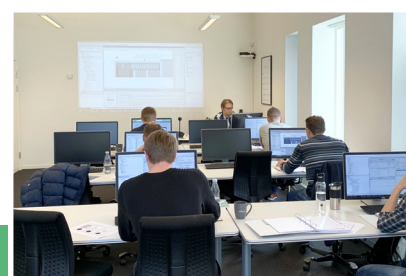
Upon completion of this course the attendant will have obtained:

- Basic understanding of Siemens PLC/HMI equipment and programming tools
- Skills in diagnostics and fault finding in Siemens Step 7 programs
- Skills to download and test minor extensions in Siemens PLC & HMI applications

COURSE PARTICIPANT COMMENT:

*"Thank you for a great course, praise for everything about it and especially to the instructor who knew what he was talking about.
I shall recommend it highly to colleagues who will need knowledge within Wonderware in the future."*

Jasmin Duzel,
Production System Specialist
Arla Foods Ingredients Group P/S



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