

TIA-WCCM – Basic course on creation of HMI on the latest program platform / Курс TIA-WCCM — базовый курс по созданию HMI на новейшей программной платформе — TIA Portal. (TIA-WCCM)

Short Description

The Totally Integrated Automation Portal (TIA Portal) constitutes the work environment for integrated engineering with SIMATIC STEP 7 and SIMATIC WinCC. The course provides you with the knowledge to quickly and easily configure machine and plant-specific HMI tasks using the SIMATIC WinCC software based on the TIA Portal. You will learn to design and dynamize graphic images. You will learn how to archive messages and values and to design and implement the corresponding archives. You can effectively use the engineering phase thanks to what you have learned about reliably operating the system. After attending the course, you can do the following: Efficiently and reliably operate SIMATIC WinCC based on the "TIA Portal" engineering platform Understand and edit SIMATIC WinCC projects for machine-level applications Optimally create graphic images Implement archiving concepts for alarms and values Access specific values from the SIMATIC S7 and display and further process them in the operator control and monitoring system (HMI)

Target Group

Programmers
Service personnel

Content

- System overview TIA Portal, SIMATIC WinCC (machine-level)
- Creating a SIMATIC WinCC project
- Configuration of connection to the SIMATIC S7 automation system
- Basics of graphic image creation for operator control and monitoring
- User administration
- Alarm display, alarm logging, alarm configuration
- Tag logging, trend configuration, trend display
- Recipes
- Use of various HMI stations
- Deeper understanding of contents through practical exercises on SIMATIC S7-1500 system model

Prerequisites

Basic knowledge of automation technology

Note

In this course you will work with the SIMATIC WinCC Comfort and WinCC Advanced (both products are based on TIA Portal), and a SIMATIC S7-1500 as a communication partner. In that course you will work with Comfort Panel and a PC as single station, communicating to a SIMATIC S7-1500.

Type

Face-to-face training

Duration

4 days

Language

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