SIEMENS

Virtual commissioning (DI-VIRTCOM)

Short Description

This course is about virtual commissioning of machines. It is designed for configuration engineers project planners and programmers. It provides you with an overview of the interaction among the various software packages such as NX, MCD, TIA Portal, PLCSIM Advanced and SIMIT.

Objectives

Digital Enterprise, Your Way to Industry 4.0 - discover the possibilities. Today's technologies are so complex that training on the software and the appropriate training equipment is almost indispensable to keep up to date.
Target group of this course are project engineers, project planners and programmers of mid-level and big industries, who deal with the design and virtual commissioning of machines.
The objective of the course is to achieve greater efficiency in the design, automation and commissioning of machines. Through an overview of the tool landscape, you will learn to better understand and evaluate the resulting possibilities and types of simulation.
This is achieved by:
New possibilities for the interaction of design and automation, from serial processes to parallel work. Automation can already begin and be tested during the design phase. The interaction of design and automation allows initial tests and virtual commissioning in the office without the need for a real machine or PLC.

Target Group

Configuration engineers
Project planners
Programmers
Planners

Content

- Introduction to the concept of virtual commissioning
- Working with PLCSIM Advanced and TIA Portal
- Introduction to Siemens PLM Software NX and MCD
- Introduction to SIMIT
- The mechanical concept
- Connection of NX / MCD models to PLCSIM Advanced and SIMIT
- Virtual commissioning with NX / MCD, PLCSIM Advanced and SIMIT

Prerequisites

Good knowledge of automation technology
SIMATIC S7 knowledge relevant for TIA-PRO2 or TIA-SYSUP and practical experience in the application of this knowledge.

Note

The course teaching and material language is English. The material is provided for students in electrical form as a pdf document.
Export control AL:N / ECCN:N

Type

Face-to-face training

Duration

3 days

Language

en

Fee

1,320 EUR

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