SIEMENS

Online-Training - Einführung in Totally Integrated Automation für Nicht-Techniker (TIA-INTROC)

Short Description

Digital Enterprise, your path to Industry 4.0 - discover your possibilities. The course is intended for staff from "non-technical departments" who are involved in the implementation of automation concepts outside the "world of technology". The course gives you an introduction to the Digital Enterprise, your path to Industry 4.0.

In order to provide you with the best possible support and training in your personal learning environment (own office/home office), we have implemented selected courses as digital online trainings for you. We provide you with live theory lectures from our experts, which convey the course content described in the learning objectives in a practical and comprehensive manner, utilizing our virtual exercise environment for practical exercises. In our virtual classroom, our expert is also available to you at any time during your individual practical exercises for in-depth questions and technical discussions.

Objectives

You will learn and understand the technical terms and components of the production and process automation. Your improved technical understanding will make communication with specialists easier and more reliable. Your own work results become even more effective by the perspective you gain. Reach your objective more easily and save valuable time!
You can deepen your theoretical knowledge with numerous practical exercises on a TIA system model. This consists of a SIMATIC S7-1500 automation system, ET200SP distributed I/O, Touchpanel TP700, drive SINAMICS G120 and a belt model.

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Target Group

Decision makers
Sales personnel
Planners
"Non-technical personnel"

Content

Digitalization - Industry 4.0
TIA philosophy - The basics
General automation concepts
Field level, control level and process control level
Concepts for planning and implementation
Classification and comparison of:
- Bus systems
- Programmable controllers
- Operator control and monitoring systems
What you always wanted to know about automation technology!

Prerequisites

- [Technical requirements](#)

Note

In this course you will work with the SIMATIC STEP 7 software based on the TIA Portal.

Type

Online-Training

Duration

2 days

Language

de