

## Introduzione alla Totally Integrated Automation nella Digital Industry (TIA-INTRO)

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### Short Description

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Digital Enterprise, your path to Industry 4.0 - discover your possibilities. Today's technologies are so complex that, in order to keep up to date, it is almost essential for the training to be performed on the associated training devices. The target group of this course is comprised of configuration engineers and project planners, as well as commissioning personnel in medium-sized and large-scale industrial companies, who are working on end-to-end automation concepts and want to familiarize themselves with the SIMATIC components for production automation. The course is suitable for advanced users as well as beginners in the field of automation technology.

### Objectives

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After attending the course, you can:

- Understand the meaning of Totally Integrated Automation and Digital Industry
- Recognize the different components of a SIMATIC automation system
- Know the potential of the TIA Portal development environment

### Target Group

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Decision makers  
Sales personnel  
Planners

### Content

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- Digitalization - Industry 4.0
- TIA philosophy
- 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
- Sensor technology
- Drive technology
- SIMATIC PCS 7

Theoretical knowledge will be deepened with numerous practical exercises on a TIA system model. This consists of a SIMATIC S7-1500 automation system, a SIMATIC ET 200 distributed I/O, a SIMATIC WinCC Advanced operator control, drive SINAMICS G120 and a conveyor model.

### Prerequisites

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Basic knowledge of automation systems.

### Type

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Face-to-face training

### Duration

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3 days

### Language

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