

## SIMIT in Discrete Automation Technology for Beginners (DI-SIMITFA)

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### Short Description

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SIMIT enables the comprehensive simulation of machine and plant behavior for virtual commissioning. With the help of the components integrated in SIMIT, you can test your PLC code to thereby produce the highest quality and establish your new products on the market much faster.

### Objectives

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This course gives you an overview of the functions and libraries of the SIMIT simulation software.

Using practical examples, you will learn step-by-step how to design simulations/models for testing automation software.

The perfect interaction of all components integrated in SIMIT enables you to sustainably produce more with top quality and establish your new products on the market much faster.

After attending the course, you will be able to:

create your own components and templates

create a simulation for the PLC Programm

set up the couplings between the simulation in SIMIT and PLCSIM Advanced

### Target Group

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Project managers

Project workers

Programmers

Configuration engineers

### Content

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Introduction to SIMIT

Introduction to Digital Twin

General information about SIMIT

Representation of the three simulation levels and how they work

Simulating signal, device and process levels

Connection to PLCSIM Advanced

Creating your own components with the Component Type Editor

Creating templates and effective engineering through import functions

Working with the CONTEC library provided by SIMIT

### Prerequisites

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Basic knowledge of automation technology

Practical experience in SIMATIC TIA Portal configuration

### Type

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Face-to-face training

### Duration

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3 days

### Language

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en

### Fee

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1,820 GBP