

## SIMIT in Discrete Automation (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. 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. [Also available as online training](#)

### Objectives

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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  
Connection to NX MCD  
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  
Attendance of the DI-VIRTCOM course is recommended

### Type

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Face-to-face training

### Duration

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3 days

### Language

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en