

## SIMATIC S7 Distributed Safety (ST-PPDS)

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### Objectives

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In this course, you will learn about configuring, programming, starting up, diagnosing and troubleshooting of the failsafe CPUs of the SIMATIC 300. These include the failsafe CPUs of the SIMATIC 300 and 400 series (no H systems) and the failsafe, distributed ET200 systems. The course provides an introduction to the creation of safety-related programs in the programming languages F-FBD and F-LAD.

### Target Group

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Programmers  
Commissioning engineers  
Engineering personnel

### Content

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Overview and guidelines  
AS S7-300F (principle, system configuration and I/O)  
Configuring of the failsafe I/O with Distributed Safety  
Programming of a safety-related user program  
Failsafe communication PROFIsafe (CPU-CPU communication)  
Diagnostics facilities (CPU diagnostics, I/O diagnostics, advanced diagnostics)  
Exercises for I/O configuration, communication, troubleshooting  
Programming examples (emergency stop, protective door, safety-related shutdown, passivation, special programming features)  
Deeper understanding of contents through practical exercises on the SIMATIC S7-300 system

### Prerequisites

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Basic knowledge of SIMATIC S7 according to the courses ST-SERV2 or ST-PRO2

### Type

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Face-to-face training

### Duration

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3 days

### Language

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### Fee

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669 EUR  
( price without 20% VAT )