

SIMATIC S7 Distributed Safety (ST-PPDS)

Objectives

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

Programmers
Commissioning engineers
Engineering personnel

Content

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 PROFI-safe (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

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

Type

Face-to-face training

Duration

3 days

Language

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Fee

759 EUR
(price without 20% VAT)