SIEMENS

Online Training - SIMATIC Fail-safe (Process Safety) Course (AS-SFP-OL)

Objectives

Making participants familiar / work with F-System Safety standards. In this course participant will understand basic difference between Standard & Safety products. Operation & maintenance, Communication & Safety matrix overview.

Target Group

- Service engineers
- Commissioning engineers
- Programmers
- Maintenance engineers

Content

- Introduction of S7 F-Systems.
- Overview of S7 F-Systems Machinery & Plant safety.
- F-Systems overview of hardware component.
- Sensor & Actuator Interfacing like Sensor /encoder wiring to F-DI module,
- Actuator interfacing to F-DO & Analog value processing.
- Safety mechanism of S7-400 F/FH, Passivation of F-I/O's, Reintegration of F-I/O.
- S7 F-System Configuration like Power supply, rack, CPU, parameterization of CPU & configuration of Failsafe periphery
- S7 F-Systems CFC Basic, Rules for program structure, program Architecture, Runtime sequence, Shutdown groups, compile & download of charts & validation of F-Program
- S7-F systems Operation & Maintenance, Trend Display in CFC, Dynamic display & Diagnostic of hardware
- Safety related CPU-CPU communication
- Safety Matrix-overview & engineering, components, software requirements, Licenses, maintenance options
- Hands on: Task based exercises after each topic

Prerequisites

- Basic know how about automation technology is must
- Basic knowledge of electrical technology and digital electronics

Type

Online-Training

Duration

3 days

Language

en