

SIMATIC Fail-safe (Process Safety) course (AS-SFP)

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

Engineers in Instrumentation / Electrical / Electronics / Engineering.

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.

Prerequisites

Basic Knowledge of Automation technology / relay logic. Know how about SIMATIC STEP 7.

Type

Face-to-face training

Duration

3 days

Language

en

Fee

36,000 INR