SIEMENS

SIMATIC Distributed (Machine Safety) course (AS-SFM)

Objectives

Making participants familiar / work with Distributed Safety standards. In this course participant will understand basic difference between Standard & Safety products.

Target Group

Engineers in Instrumentation / Electrical / Electronics / Engineering.

Content

- Standard Overview of Safety.
- Product Overview like Simatic Failsafe controller, Fail Safe system for factory automation.
- Safety concept of Distributed Safety.
- Sensor Actuator Interfacing like Sensor /encoder wiring to F-DI module, Actuator interfacing to F-DO & Analog value processing.
- Hardware Configuration like Configuration of S7-300/ ET 200S & Simatic selection tool.
- Training unit Configuration & addressing of S7-300F & ET 200S
- Programming like Blocks of safety program, Structure & Execution of safety program, Creating of F-FC/F-FB & PB Block, Programming guidelines, passivation of F-module principle.
- Exercises & Hands on practice.
- Fail safe communication between two failsafe controllers using DP/DP Coupler
- Response time of F-system.
- Plant Acceptance & Hardware maintenance.
- Exercises & Hands on practice.

Prerequisites

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

Type

Face-to-face training

Duration

3 days

Language

en