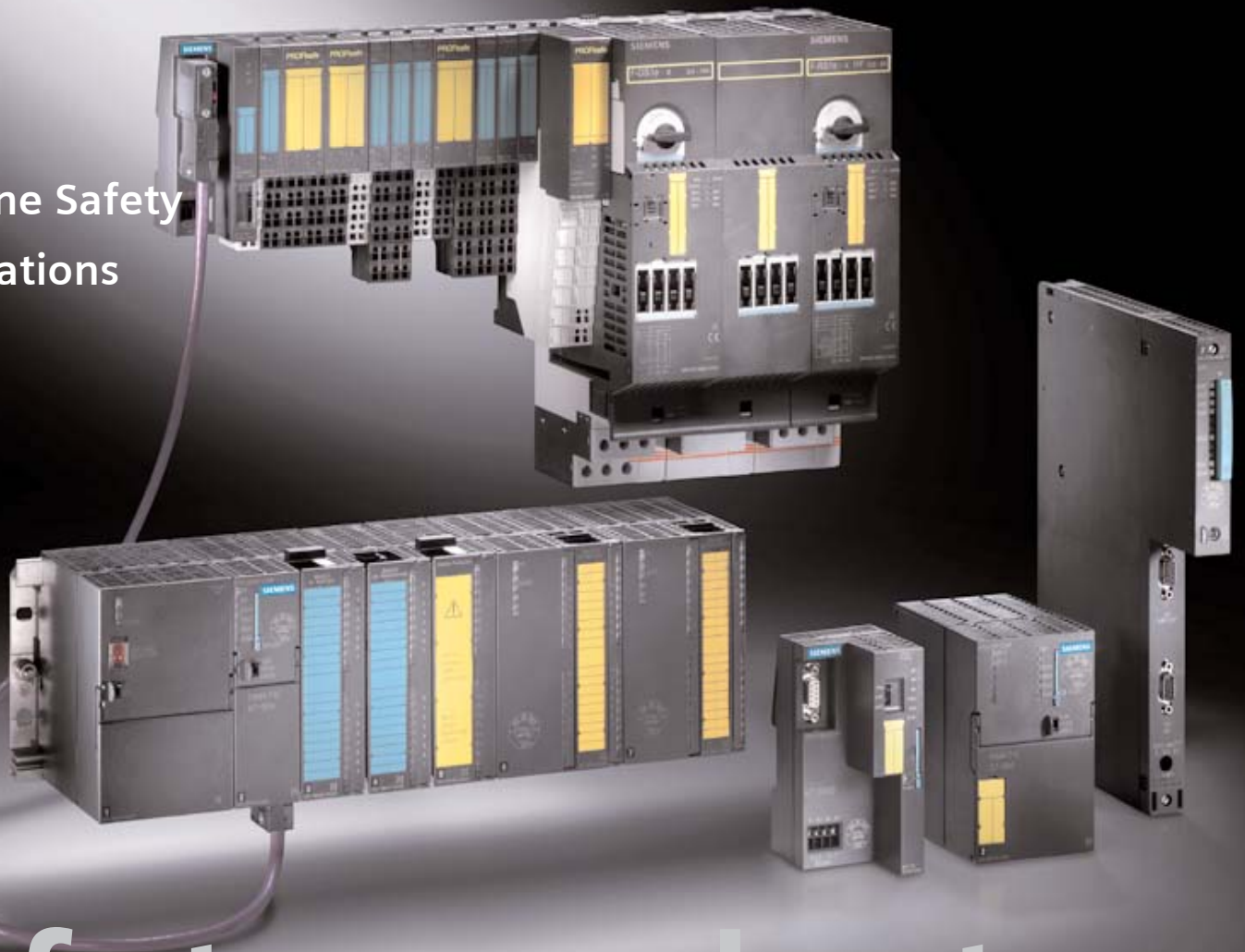


Machine Safety
Applications



safety product TRAINING



SIEMENS

Global network of innovation

Applying Siemens Safety Integrated solutions...

Safety product training courses address distributed machine safety applications. Participants receive instruction on the ANSI and NFPA standards for safety applications. The course format is a combination of instruction and hands-on exercises based upon the Siemens Safety Integrated application manual.

A realistic simulator is used for demonstration and lab exercises. These exercises allow students to practice tasks such as testing, debugging and using diagnostic tools.

The course format may be tailored to address specific areas of risk classification, hardware selection and safety applications, including:

- Standards and Regulations
- Fail-Safe Network Communications
- SIMATIC Fail-Safe Control Systems
- Safety-related Low-voltage Switching Devices (SIGUARD)
- Control Circuit Examples
- Specific Application Exercises



Objectives

Upon completion of this course, the student shall be able to:

- Identify the Standards Associated With Safety Application
- How to Achieve Desired Safety Categories
- Select and Configure the Failsafe Hardware Components
- Properly Implement a Safety Program in the PLC
- Document, Test and Troubleshoot the System and its Program

Selected Product Training Topics

Safety Integrated Product Families

PLC Controllers
S7- 300F
S7- 400 F
S7- 400 H/F

Safety Input/Output Modules

ET 200S
ET 200M
ET 200eco

Safety Rated Networks

PROFISafe Protocol
AS Interface Safe

Safety Electronics

Light Curtains
Area Scanners
Integrated Contactors

Safety Circuit Design (Cat 1-4)

Safety Relays
SIGUARD Switching Devices
Interlocking Principles

Course Title: S7300F Machine Safety
Course Number: S7SFTPIA

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