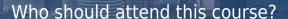# Prosafe-RS (Virtual)

The course is designed to enable ProSafe-RS system users to operate, maintain and modify the system with respect to the user interface Workbench. The course will outline the system's safety features and provide a hands-on environment to enhance learning.

Course Code SPRS-V
Duration 4 days
Max Class Size 5

Prerequisite Participants should preferably have a basic knowledge of computers, MS Windows, electronics and Boolean logic.

Who should attend this course?

For process engineers, process control engineers, maintenance and technical support personnel involved with the ProSafe-RS system.

Day 1

Introduction to safety
Aspects of IEC61508 / IEC61511
Introduction to Prosafe-RS
Versatile Modular Redundancy
Configuration of Prosafe-RS
Input / Output Modules
Connecting ESB Bus and Fiber-Optic Cable
Laboratory Exercise

Day 2

Types of Projects
Attributes of a Project
Types of Database
Test Function, Debug and Logic Simulation
Introduction to Workbench
Program Organization Unit (POU) Generation
Laboratory Exercise

Day 3

Centum Integration
Safety Analyzers
Security Level
Forcing
Inter SCS Safety Communication (Producer /Consumer)
SCS Link Transmission
SCS Status Display
SCS Statement Management Window
Output Enable
Laboratory Exercise

Prosafe-RS (Virtual)

Course Code SPRS-V
Duration 4 days
Max Class Size 5

Prerequisite Participants should preferably have a basic knowledge of computers, MS Windows, electronics and Boolean logic.

Day 4

Types of Downloading
Version Control
Operating mode
Test Project Creating Tool
System Function Blocks
Diagnostic Management
SOER
Maintenance of ProSafe-RS Hardware (Will be conducted via show-and-tell basis)
Laboratory Exercise