

# Prosafe-RS

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

**Duration** 4 days

**Max Class Size** 8

**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

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## Day 4

Types of Downloading  
Version Control  
Operating mode  
Test Project Creating Tool  
System Function Blocks  
Diagnostic Management  
SOER  
Maintenance of ProSafe-RS Hardware  
Laboratory Exercise

