

ProSafe RS Engineering with Maintenance

This 5-day course is an instructor led training consisting of lectures, hands-on exercises, and evaluation designed to provide participants with knowledge and skills in working with the Prosafe-RS system.

DAY 1

- ◆ *Introduction to Safety*
- ◆ *Aspects of IEC61508/IEC61511*
- ◆ *Introduction to ProSafe-RS*
- ◆ *Redundancy & VMR*
- ◆ *Configuration of ProSafe-RS*
- ◆ *Expanding ProSafe-RS*
- ◆ *Input / Output Modules*
- ◆ *Other Modules*

Day 2

- ◆ *Types of Project*
- ◆ *SCS Project Attributes*
- ◆ *Configuration of Database*
- ◆ *Test Function and Debug*
- ◆ *Introduction to Workbench*
- ◆ *Program Organizational Unit (POU) Generation*

Day 3

- ◆ *Centum Integration*
- ◆ *Safety Analyzers*
- ◆ *Security Level*
- ◆ *Locking and Forcing*
- ◆ *Overriding*
- ◆ *Inter-SCS Safety Communication*
- ◆ *Interference free Inter Station Communication*

DAY 4

- ◆ *SCS Status Display*
- ◆ *SCS State Management Window*
- ◆ *Types of Downloading*
- ◆ *Version Control*
- ◆ *Test Project Creating Tool*
- ◆ *Maintenance Procedures*

Day 5

- ◆ *System Function Blocks*
- ◆ *Diagnostic Management Function*
- ◆ *Sequence of Events Recorder (SOER)*
- ◆ *Maintenance of Prosafe-RS Hardware*

Hands-on Activities

- ◆ *SIL Verification*
- ◆ *ProSafe Configuration*
- ◆ *Project Creation and Modification*
- ◆ *POU Generation*
- ◆ *Simulation & Debugging*
- ◆ *Inter-Station Communication Implementation*
- ◆ *Offline, online loading*
- ◆ *ProSafe RS Hardware & Software Maintenance*

For Participants who will maintain and modify the ProSafe RS system
Fundamentals knowledge of computers and a working knowledge of MS-
Windows

Knowledge of IEC61 131-3 and CS3000 or CentumVP will be helpful

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