

Customise Centum VP & Prosafe-RS

This course is designed to give participants a quick refresher on the fundamental knowledge on the operation and functions of the Centum VP system and Prosafe-RS

Course Code VPOPEGRS

Duration 5 days

Max Class Size 1

Prerequisite Participants should preferably have some basic knowledge on process measurement and control.

Who should attend this course?

For Centum VP operators, plant operation specialists and engineers who need to operate the Centum VP system.

Day 1

System overview (HIS, EWS, FCS)

System Message Banner general functions (incl. Message area, User In, etc)
Browser Bar (incl. Overview, Name Input, Preset Menu)

CAMS window (incl. Filtering, shelving, suppression)
System Alarm (incl. System Status Overview)

Faceplate
Cascade Control
Tuning View

Trend View

Process Report
Historical Report

Day 2

FCS configuration
I/O module configuration
Software switches configuration
Message configuration
Control drawing builder
Laboratory work : FCS configuration, I/O module definition, Regulatory control generation
Regulatory control function
Sequence control function
Laboratory work: Sequence control generation, logic control generation

Day 3

HIS configuration
Windows configuration
Laboratory work : HIS and Windows configuration
Graphics builder
Configurator of CAMS for HIS (Basic) - Optional
Laboratory work : Graphics generation CAMS for HIS (optional)

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Day 4

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
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 5

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