

# Customise Centum VP & 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.

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

## 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