

CENTUM VP Engineering

Objectives: Participants on this course will acquire skills in generation and editing of Yokogawa CENTUM VP applications using the System View software. They will also receive training in the use of the software for creation and editing of project graphics.

Who should attend?

Engineers involved in application development or modifications of applications using the CENTUM VP system.

Prerequisite knowledge:

Participants should have either attended the CENTUM VP Operators course or have working experience of using the CENTUM VP software.

Programme

Day 1:

- Overview of the CENTUM VP system architecture
- Creating a new project
- Adding and configuring a Field Control Station (FCS) in the software
- Adding and configuring a Human Interface Station (HIS) in the software
- Creating nodes in the FCS
- Adding input/output (I/O) modules to the FCS
- Configuring the I/O modules in the software
- Adding plant I/O tags

Day 2:

- Looking at available function blocks
- Creating a new function block
- Configuring a function block for plant I/O
- Connecting function blocks together
- The 'Typicals' project

Day 3:

- Using the graphics builder to create and edit graphics
- Using test functions to test a project

Day 4:

- Editing function block details
- Using scales, ranges and tag comments
- Understanding and creating one shot sequence tables
- Creating logic function blocks
- Understanding and creating stepped sequence tables

Day 5:

- Programming and reporting of alarms including CAMS
- Using control drawing, logic chart and sequence table viewers
- Using simulation and programme testing
- Creating and restoring project backups
- Validation exercise

Duration: 5 days

