



Objectives

This training course is intended for operators and plant personnel who are familiar with the CS3000 DCS system operation, but not with the engineering configuration tools. The first day concentrates on basic engineering, with the final two days being devoted to SEBOL Sequences.

Who should attend?

Engineers involved in software generation or modifications of the CS3000 system.

Prerequisite knowledge

Preferably participants should have knowledge regarding process measurement and control.

Programme

Day 1:

- § Welcome and introduction to CS3000 system
- § Graphics HIS operation, screen navigation, monitoring and manual Operations, instrument faceplates
- § Control loop tuning panel, setting PID parameters and loop modes, alarm limits, MV ranges
- § IOM modules and configuration
- § Graphic builder basics and creating a new graphic
- § Control Groups
- § Introduction to simulation and electronic documentation
- § Test function, starting stopping, operations (fail valves etc)
- § Introduction to function blocks and builder
- § PVI block modification, change instrument ranges etc
- § Functional control blocks, SIO-21, PID
- § Layout and order of control drawings

Day 2:

- § Configuration exercise
- § _SFC SW Block features (data/sequence program)
- § Introduction to SEBOL Language
- § Create SFC – SFC editor
- § SEBOL editor
- § Sequence flow charts – conversion to SEBOL/SFC
- § Project backup and restore
- § Exercise: build control sequence from flow chart

Day 3:

- § Running sequences – testing
- § Stopping – interrupts
- § Sequence improvement
- § Validation

Duration

3 days