CENTUM VP Batch Training

This lecture-based training with demonstrations is designed to familiarize the participant with the features and terminology of batch processes, the engineering methodology for automating a batch plant, and the implementation of batch control and recipe management on the CENTUM VP Batch platform.

Who should attend?
Engineers involved in software generation or modifications of the CENTUM VP system using the CENTUM VP Batch control package.

Prerequisite knowledge
Participants must have completed the CENTUM VP Engineering course or have in-depth working knowledge of CENTUM VP.

Program

Day 1:
- Characteristics & Control Requirements of Batch Processes
- Familiarization with Example Process
- ISA S88.01 Batch Control Models and Terminology
- Additional Batch Automation Concepts
- General Batch Control Engineering Methodology
- Overview of CENTUM VP Batch Packages
- Familiarization with an Automated

Day 2:
- Concept of Unit Supervision
- Batch Engineering Activities
- Concept of Plant Hierarchy
- Building Unit Instruments
- Management of Shared Resources
- Concept of Recipe Common Blocks and User-Defined Common Blocks

Day 3:
- Derivation of Batch Operations from a Recipe
- Concept of SFC Sequences, Operations & Phases
- SFC Sequence Engineering Builder Screens
- Operation SFC Function Blocks
- Basics of SEBOL Batch Control Language
- Building SFC Sequences and Operation SFC Instruments

Day 4:
- Concept of Process Management
- Batch Plant Trains and Paths
- Concept of Master Recipes
- Overview of Batch Operation & Monitoring Screens
- Loading and Operation of a Control Recipe

Day 5:
- Concept of Exception Handling Logic
- Customizing the State Transition Matrix
- Concept of Batch Reporting
- Batch Report Builder
- Batch Trends

More information

This training is held in a Yokogawa training facility (e.g. in YEF-NL Amersfoort). The training language is English or Dutch depending on the audience and trainer. For more information or would you like to sign-up for this training please sent your request to training@nl.yokogawa.com.