Valmet DNA engineering course

This course reviews the different phases of Valmet DNA application engineering. Application program configuration principles for individual activities are explained. The course provides a detailed review of the use of customers' programming equipment primarily related to application program modifications. The different phases of making the most typical modifications, e.g. measurement scale and motor interlocking connection modifications and adding new loops, are practiced hands-on.

Course objective

After completing the course the participant will be able to carry out application program modifications and take a program into use.

Target group

Persons involved in application engineering and persons responsible for Valmet DNA programming.

Prerequisites

Valmet DNA basic course

Course duration

4 days

Training group

Max. 8 attendees

Benefits

Through Valmet's professional training programs, either standard courses or tailored to your specific needs, you will have optimized competences available in your organization. Together we make a development plan for your personnel based on your business needs, and deliver the agreed training flexibly and effectively.

Optimized competence development enables
•better utilization of features in the automation and control solutions
•proper installation, start-up, operation and maintenance of the solutions and equipment
•improved knowledge of product-related safety and environmental issues
•better employee motivation

The results are typically visible as higher productivity, plant availability, improvements in end product quality, time and material savings.

For more information, contact us:
www.valmet.com/automation/training
training.automation@valmet.com

Valmet

Course Program

Day 1, 9:00 – 16:00

Overview of Valmet DNA system

Engineering environment
- Valmet DNA Explorer
- Automation language, function blocks
- Application examples

Day 2, 8.30 – 16.00

General features of Function Block CAD

Exercises of application planning
- Measurement loop
- Controller loop
- Motor control

Programming loops with Function Block CAD

On-line transfer of modules to system

Day 3, 8.30 – 16.00

Exercises continuing

Display creation with Valmet DNA Picture Designer
- Picture base
- Dynamic elements

Diagnostic tools
- Web diagnostics
- Function test debugger
- Debugger

Day 4, 8.30 – 15.00

Exercises continuing

Valmet DNA Network Designer
- Cabinet layouts
- I/O labels

Competence Solution

Training → Assessment

Continuous development

Development Plan ← Analysis

Assessment
Assessment of the technical competence of your team against the goals, addressing changing production and maintenance goals

Analysis
Analyzing the assessment results and possible gaps

Development plan
Identifying relevant training needed to bridge gaps in competence,

Training
Carrying out the specified training as scheduled
Predefined or customized, classroom and hands-on training with training demos and process simulators

Valmet