Valmet DNA HIMA basic course

The course provides a comprehensive survey of the operation of HIMA Safety Logic Interface in Valmet DNA. Basic concepts of HIMA hardware, application program and diagnostics are studied.

Objective

After completing the course the participant has an overview of HIMA Safety Logic Interface in Valmet DNA .

Target group

Persons responsible for the use, engineering and maintenance of HIMA Safety Logic Interface in Valmet DNA .

Prerequisite

Valmet DNA basic course and knowledge of the fundamentals of digital techniques and microcomputers.

Course duration

1 day

Course limit

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.

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Course Program

Day1, 9:00 – 16:00

HIMA, general
- Safety systems and Valmet DNA

HIMA product family
- HIQuad vs. HIMatrix vs. HIMax
- Cabinets, racks, CPU-units and fans
- HW capacity, expandability
- I/O cards, remote I/O units
- Diagnostics visibility on HIMA/Valmet DNA screen
- Maintenance

Application programming
- ELOP II (HIQuad)
- ELOP II Factory (HIMatrix)
- SILworX (HIMax and HIMatrix)

Testing and monitoring HIMA application
- Online- and offline testing
- Forcing I/O signals and local variables

Competence Solution

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

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