Valmet DNA Engineering I

This Level I course provides detailed Valmet DNA configuration knowledge. An overview of the system architecture will be presented along with a detailed study of how loops and graphic displays are created and deployed using our configuration engineering tools.

Each student has a dedicated Engineering Activity Server they will use to get hands-on experience creating control loops for a live demo skid in the classroom. The student will make a graphic display from which to test the functionality of their loops on the live process.

Use of appropriate CAD and XML based configuration tools will be demonstrated and then applied by the learner.

Note – the live demo system is only available in the Atlanta training center. When taught in Toronto simulation will be used.

Who needs to attend?
Personnel responsible for the application, maintenance and system support of the Valmet DNA Distributed Control Systems.

What you need to know?
A basic understanding of instrumentation and controls. Previous experience with CAD and Windows-based programs is also beneficial

LEARNING OBJECTS

Understand the Valmet DNA System architecture

Understand the configuration process and the Engineering Activity Server tools

Have the necessary knowledge to configure basic loops

Valmet

Autoinfo Database • Display hierarchy • Naming conventions • Applying automation language concepts • Using the engineering tools • Creating and editing functional block diagrams • Creating and editing process graphic displays • Working with and understanding system modules • Using Function Testing Tool to examine process logic • Working with the windows environment • Using the configuration tools • Using diagnostics to assess system operations and performance • Applying the function blocks of the operator and process stations • Using the configuration engineering environment interfaceDNA Explorer• Engineering Activity Server concepts

This 5-day course is presented in the Atlanta Training Center