

T331

Composer for AC 870P/Melody Configuration for Power Plants

Course goal

The goal of this course is to learn the configuration of the AC 870P / Melody controllers with the engineering tool Composer using Function Blocks for Power Plants.

Learning objectives

Upon completion of this course, the participants will be able to:

- Describe the architecture of a system 800xA with AC 870P / Melody for Power Plants
- Identify the AC 870P / Melody hardware modules
- Navigate in the 800xA system and operate process points
- Navigate in the Composer
- Handle and create function diagrams
- Create new process points, plant areas and functional units
- Configure analog and binary monitoring functions
- Configure closed loops and individual drive functions
- Configure Sequential Function Charts

Participant profile

This training is targeted to system and application engineers, commissioning and maintenance personnel, service engineers and system integrators.

Prerequisites

Students shall know the fundamentals of working with Control Systems and have basic knowledge of Windows 2000/XP.



Topics

- System 800x architecture with AC 870P / Melody
- Power Plant specific hardware
- Introduction Engineering with Composer
- Basics about Composer configuration
- Analog and Binary monitoring
- Closed-Loop control
- Individual Drive functions
- Sequential Function Chart

Course type and methods

This is an instructor led course with interactive classroom discussions and associated lab exercises. Approximately 50% of the course is hands-on lab activities.

Course duration

The duration is 5 days.

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Course outline

Day 1

- Course information
 - System 800xA architecture with AC 870P / Melody
 - Introduction Engineering with Composer
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Day 2

- Basics about Composer configuration
 - Analog and Binary monitoring
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Day 3

- Analog and Binary monitoring
 - Individual Drive functions
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Day 4

- Closed-Loop control
 - Sequential Function Chart
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Day 5

- Sequential Function Chart