
COURSE DESCRIPTION

CHP433

Procontrol P13/42 Basics and Application

Course goal

The course goal is to prepare students for maintenance and application of P13/42 in the field of Plant Automation Applications.

Main learning objectives

The participants will be able to:

- Describe architecture and configuration of system
- Outline input, output and processing functions
- Use Function blocks and documentation
- Trace signals and interpret system messages
- Configure, implement and test applications
- Use of low level service tool

Participant profile

Maintenance, service, application, system and process engineers.

Prerequisites

Knowledge on plant automation and control systems
Basic knowledge of plant processes

Topics

- Basics of PROCONTROL P
- Overview, structure, components, technical terms, arrangement, power supply
- Local Bus System: data flow, telegrams, components
- Input and Output Modules: functions, applications
- Processing and Drive Control Modules: functions, applications
- Intraplant Bus System: data flow, telegrams, components
- Local bus coupling modules with standardized serial interface, data transmission

- Function Blocks: basic functions, multifunctions
- Application example: generation and loading programs
- Application of low level engineering tool
- Documentation: designation system, documentation concept, signal tracing

Course type

This is a face to face class room training with maximum 6 participants.

Learning methods and tools

Lectures, demonstrations, practical exercises and approx. 60% of the course is hands-on activities. **Laptop** or tablet is required to have access to the e-documentation.

Duration

5 days

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