Course Description

PROCONTROL P14

DE561 E

Maintenance Basic Course

Course Goal

The goal of this course is to provide students with an overview of the PROCONTROL P14 system and the operation of the main system components.

Learning objectives

Upon completion of this course, the students will have a basic understanding of:

- the main system and the interaction of the components
- the principle of the data transmission in the system
- the principle of the signal input and output from and to the process
- the application of the control modules as well as the main function blocks
- the documentation

Participant profile

Maintenance and service personnel, commissioning personnel

Prerequisites and Recommendations

Fundamentals of plant automation and knowledge of modern power plant control systems

Main Topics

- Basics of PROCONTROL P14:
  Structure, cubicle, modules, power supply, technical terms
- Data Transmission:
  Data flow, telegrams, components
- Drive Control Modules, Signal Input and Output:
  Modules, functions
- Diagnosis Concept:
  Structure of control system diagnosis

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Methods

Presentations/Lectures, discussions, demonstrations (no practical exercises)

Course Duration

3 days

- Overview Process Operator Station POS30
- Overview Engineering-, Documentation and Service System EDS:
  Tools and interaction
- Overview Program-, Diagnosis and Display System (PDDS):
- Overview Control System Diagnostic Station (CDS):
- Documentation:
  Functional diagrams, system- and module descriptions (examples)