
COURSE DESCRIPTION

CHP412

EGATROL Application and Maintenance

Course goal

The course goal is to prepare students for application and maintenance of Gas Turbine Controller EGATROL 8.

Main learning objectives

The participants will be able to:

- Describe architecture and configuration of system
- Outline control, protection and communication functions
- Outline idea of function modularization and structure of plant pictures
- Load and start application Software
- Perform test, simulation and fault finding, on-line and off-line modifications
- Start and shut down GT system with test simulator

Participant profile

Maintenance, service and application engineers. System and process engineers.

Prerequisites

Knowledge corresponding to courses CHA331, CHP415 and CHT320.

Knowledge on automation and control (open and closed loop control)

Good knowledge GT and CC process.

Topics

- Hardware structure, I/O's, controllers, interfaces, and power supply
- Software structure of open loop, closed loop and protection functions. Cycle time of programs and communication
- Closed loop control design, open loop control design, sequencer, function groups
- Protection functions, communication functions

- HSI plant pictures, alarms, events, system messages
- System loading, and start application Software
- On-line and off-line modifications of programs and database
- Test and fault finding HW, SW and tool
- Start and shut down GT system with test simulator, preconditions
- Interpretation of messages and values

Course type

This is a face to face class room training with maximum 8 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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