

Course description

CHP414

TURBOTROL Application and Maintenance

Course goal

The course goal is to prepare students for application and maintenance of steam turbine controller TURBOTROL.

Learning objectives

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

Participants

Maintenance, service, application, system and process engineers.

Prerequisites

Knowledge corresponding to courses CHA331, CHP415 and CHT320

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

Basic knowledge power plant 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
- Modularization, APC, TC and PC elements function and application

- Closed loop control design, open loop control design, sequencer, function groups
- Protection functions, communication functions
- HMI plant pictures, alarms, events, system messages
- System loading, dumping 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 ST system, preconditions
- Interpretation of messages and values

Method

Lectures, practical exercises and demonstrations

Duration

5 days for complete course

1 day (1st day) for students who only need theoretical overview

3 days for students who already know EGATROL (CHP412)

Register

If you would like to enroll please contact us or use the following registration button

[→ Register](#)

ABB Switzerland Ltd
LC Power Generation
Bruggerstrasse 72
CH-5400 Baden
Phone +41 58 585 65 53
Fax +41 58 585 28 00
E-Mail ch-lc-pg@abb.com

www.abb.ch/abbuniversity

Power and productivity
for a better world™

