Course description

J710
PCS 6000 Frequency Converter
BASIC Training – Operation & Maintenance

Course goal
The goal of the course is to introduce and instruct the service and operation engineer to the PCS 6000 frequency converter family. To allow them to learn in a safe and instructive environment the techniques required to carry out the correct procedure in operating and maintaining the PCS 6000 frequency converter.

Learning objectives
Upon completion of this course the participants will be able to:
- Understand the converter system and interfaces
- Identify converter components
- Understand the basics of the control, protection and safety concept of the converter
- Understand the basic issues in operating the converter in turbines (incl. alarms & trips)
- Carry out maintenance work
- Replace faulty semiconductors
- Be able to locate and replace faulty hardware components with support of PCS 6000 EXPERTs

Participant profile
This training is targeted at installation, operation and service engineers or other interested technicians. It is also a prerequisite for future commissioning & service engineers.

Prerequisites
- Electrical engineering knowledge & experience
- Laptop recommended but not essential

Topics
- System description
- PCS 6000 product overview
- Control hardware
- Power hardware
- Water Cooling Unit
- Maintenance

Methods
This is an instructor led course with lectures and demonstrations. For maximum effectiveness it’s based on a good balance between theoretical training and practical exercises with training equipment.

Follow-up training
EXPERT training for commissioning and troubleshooting of PCS 6000

Duration
5 days
Max. 6 participants
## Course description

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### Course outline

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