

Energizing People > Powering the Future



Seminar No. 351 PECe based Cycloconverter

Course Description:

Interactive training with hands-on exercises focusing on control software, operations, and troubleshooting.



Learning Outcomes:

- Training on thyristor converter technology (thyristors theory, control of a thyristor)
- Overview of cycloconverter project (hardware setup, PA modules, excitation setup, PECe technology, BUS system)
- Software handling:
Core drive software: encoder calibration, synchronous machine model regulation, bridge change over functions, zero current detection, speed controller, protection functions, drive sequencing
- Application software: auxiliaries control, application resource, communication to higher level control system
- Operation and handling of cycloconverter (commissioning, optimization procedure, live measurements, practice on test model)
- Maintenance and troubleshooting (reading and analyzing fault recorder files, thyristor healthiness check, fault investigation)



Prerequisites:

Basic computer skills

Knowledge of 3-phase technology and synchronous machines



Participants:

Commissioning technicians and service personnel



Duration:

5 days



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