



MM7 Converter

Application: STATCOM

Purpose

- Understand the principle of the reactive energy compensation
- Know the power components of the MM7 converter
- Know the PECE control system using MM7
- Operate, maintain and troubleshoot the system.

Target audience

- Operator personnel / Management personnel / Maintenance personnel / Engineering personnel.

Prerequisite

- Experience or knowledge in Power Conversion products or/ and systems
- Experience or knowledge in VSD & Control Systems.

Location: Global Technical Learning Center Villebon

Content

Days 1, 2 & 3 : Theory and use of the documentation

- Theoretical reminders on power electronics
- General presentation of the MM7 product & network architecture
- Presentation of the control & automation principles
- Use of the MM7 software application & maintenance computer (drawings/procedures)

Day 4 : Practical exercises into an control & automation cabinet

- Pratical exercices on the components & Equipment maintenance
- Fault simulation & troubleshooting
- Replacement of defective parts & configuration

Training Code	EN MM7 B1
Max number of trainees	6
Price	Contact us

Duration: 5 days (35 hours)

Practical Exercises: 80 %

- Use of the documentation through the P80i tool, maintenance computer and supervision
- Troubleshooting in a MM7 tower & Control and automation cabinet.

Training Equipment

- Use of MV7 tower, dedicated tools & dedicated tools
- Converter cooling unit.

Assessment

- Quiz & Practical exercises.

Trainee's Documentation

- Specific customer documentation
- Customized training material & Certificate of attendance.

- Human Machine Interface use
- Diagnostic tools (perturbography ...)

Jour 5 : Practical exercises on power component tower

- Practical exercises on the components
- Equipment maintenance
- Power component's fault & diagnostic
- Power components replacement
- Firing chains troubleshooting steps

