



# PECe DC drive

Application: DC motors

## Purpose

- Understand the variable speed principles applied to the DC motor control
- Know the PECe control system for DC application using P80i tool
- Know the hardware and communication architecture of the PECe DC
- Know and use the PECe dialog tools.

## 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

Training Code	EN PECe DC Hv
Max number of trainees	6
Price	Contact us

**Duration:** 5 days (35 hours)

**Practical Exercises:** 50 %

- Use of a PECe DC application through P80i tool
- PECe DC piloting a DC motor.

## Training Equipment

- Use of PECe DC mock-up
- Use of dedicated tools.

## Training Equipment

- Use of PECe DC mock-up
- Quiz & Practical exercises.

## Trainee's Documentation

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

## Content

### THEORETICAL REMINDERS

- DC motor reminders & Thyristor bridges
- DC motor control principles

### PRESENTATION OF THE PECe DC CONTROL

- PECe system & Main CPU
- Power interface PIBe
- EtherCAT network
- PECe DC application P80i libraries

### PECe DC MOCK-UP FOR TRAINING

- Configuration and use of commands
- Use of P80i tool (dynamic mode)

## PECe DC APPLICATION

- Application structure
- Main sequences & torque regulation
- Test modes & Faults and alarms
- Perturbography

