LV7 VSD

Application: LV Induction/DC motor

Training Code	EN LV7
Max number of trainees	6
Price	Contact us

Application: LV Induction/DC motor

Purpose

- Understand the LV7000 principles applied to the AC/DC motor control
- Be able to commission and start the drive
- Identify and analyze the trouble and fix.

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 Variable Speed Drives or Electrotechnical Systems.

Location: Global Technical Learning Center Villebon

Duration: 5 days (35 hours)

Practical Exercises: 60 %

- Commissioning and use of the LV7000 variable speed drive
- LV7 piloting and AC/Ac motor through fieldbus.

Training Equipment

- Use of MV7 mock-ups & dedicated tools.

Assessment

- Quiz & Practical exercises.

Trainee's Documentation

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

Content

THEORETICAL REMINDERS

- Asynchronous/DC motor reminders
- IGBT/Thyristor bridges
- AC/DC motor control principles

GENERAL PRESENTATION OF THE LV7

- Range of power
- Configuration, main components and options

REMOTE CONTROL USING A FIELDBUS

- CAN, PROFIBUS, EtherCAT, Ethernet

COMMISSIONING OF THE LV7000

- Detailed schematic diagram
- Method of commissioning
- Software loading using NCLOAD
- Parameterization using the keypad/HMI
- Parametrization using NCDRIVE/ CTSoft

- Open/closed loop control mode
- Advanced software functions
- Faults and alarms
- Troubleshooting