

---

## COURSE DESCRIPTION

# G560

## DCS800-Basic course



### Course type and description

Interactive training in a training room. Real devices for demonstration exercises are available.



### Course duration

The course duration is 2 days.



### Student profile

Electricians, technicians and engineers who, planning a DC Drive, installing and servicing DCS 800



### Course goal

The DCS 800 is a digital converter for speed and torque control of DC-drives with nominal currents from 25A up to 5150A and nominal supply voltages from 220V up to 1200V. The course goal to teach the DC basics in theory and how to design, start-up, adjust, operate and maintain the DCS 800 digital converter and how to do trouble shooting. The use of the programming tool Drive Window Light is trained by practical exercises



### Course objectives

Upon completion of the course, the student will be able to Commission, tune and operate the DCS 800, Implement small applications Trace and correct faults



### Main topics

- Control and operation principles of DC converters
- DCS 800 hardware
- DCS 800 software
- Using of the control panel
- Parameter setting and programming
- Locating and identifying the terminals of different processes
- Making proper terminations
- Initial converter start-up and commissioning
- Setting up small applications with Drive Window Light –AP Program
- Replacing cards and components
- Fault-tracing and trouble-shooting meth



### Prerequisites

Prior to attending this course, students should have:

- Basic knowledge of power electronics
- Experience in using a Windows PC environment