



Engaging People > Powering the future



Drive Systems

## Seminar No. 103 Power electronics

### Course Description:

The aim of this course is to introduce participants to converter technology. This is done through a thorough discussion about power electronics components, AC and DC circuit switching in power electronic applications, and single phase and 3-phase converters. Participants also learn about diode rectifiers, thyristor converters, IGBT two- and three-level inverters, IGBT inverters as front end, and motor converters and pulse pattern generators. Additionally, participants will learn about motor and active front-end control as well as EMC, harmonics, and filters.



### Learning Outcomes:

Basic knowledge in effectiveness of drive systems and interaction with other system components



### Prerequisites:

Fundamental knowledge of basic electrical engineering



### Participants:

Design, commissioning, operation and development engineers



### Duration:

Five days



Culemeyerstraße 1  
12277 Berlin, Germany

T +49 30 7622 4400  
Learning.Center@ge.com