

## SINAMICS Perfect Harmony GH180 (DR-GH180)

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### Objectives

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Making participants familiar with Siemens MV Drive system. Key features of the product & Configuration Software. Commissioning / Testing and Fault Diagnostics

### Target Group

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Users, Commissioning / Service / Maintenance Engineers

### Content

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- Overview of AC drive and introduction to MV drive system
- Introduction to Product Variants
- Design and function of components used within Perfect Harmony
- Power Topology, cell based technology, concept of step PWM
- Hardware Identification
- Introduction to DCR (NxG, NxGII)
- Introduction & Function of different boards
- Location of various components in cabinet
- Fast Cell bypass option
- Drawing Reading & location of component
- Operation and parameterization Keypad(HMI)
- Introduction to Tool suite software
- Programming-Compiling SOP
- Command Generator & Control Modes
- Startup Procedure
- Personal Safety
- ProToPS
- Up/Down Transfer
- Dual Frequency Braking
- Compact Flash structure
- Taking Project Backup and Downloading project
- Analyzing alarm and fault messages, Using Trace function
- Replacement power cells and spare parts
- Hands on practice on MV drive

### Prerequisites

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Engineers in Electrical / Electronics Engineering with basic working Knowledge of AC Drives

### Type

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Face-to-face training

### Duration

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5 days

### Language

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### Fee

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40,000 INR