TMdrive®-MVG2 Maintenance Training

Location: Roanoke, Virginia

- **4-day training course for engineering and maintenance personnel**
- **Drive system hardware and software operation, maintenance and troubleshooting**
- **Hands-on classroom and lab exercises**
- **Presented by experienced industry service engineers**

Students will learn:

√ Fundamentals of operation for the drive and motor system

√ To monitor, maintain and troubleshoot the drive system

√ To recognize normal and abnormal drive system operation

√ The terminology and meaning of the diagnostic messages

√ To replace and reconfigure components

√ To quickly diagnose and identify externally-connected equipment failures

√ To replace and reconfigure failed components

√ Preventive maintenance procedures

TMEIC

We drive industry

Who should attend?

Qualified engineers and technicians who wish to gain an understanding of the TMdrive®-MVG2 medium voltage drive system should attend this course.

Classes for this 4 day course will normally begin on Monday morning and run from 8 AM to 5 PM through Thursday. Abbreviated versions will be considered on a case by case basis.
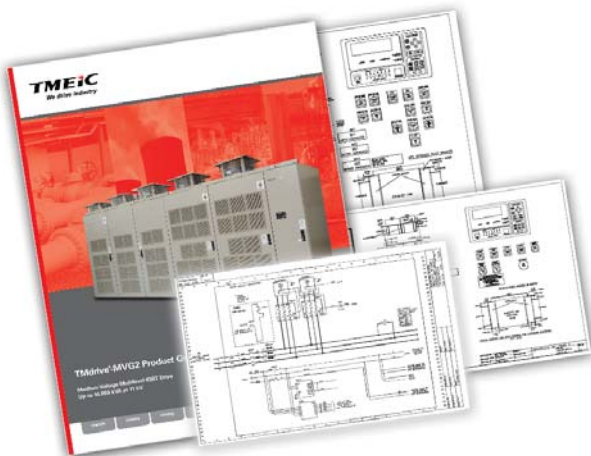
Prerequisites

*   A basic working knowledge of 3-phase electricity, variable speed drives and motors
*   A working knowledge of sound safety procedures on MV equipment
*   Reasonable personal computer and Microsoft® Windows® skills
*   Course materials will be presented in English

Student Materials

A notebook with paper and electronic copies of the following materials are part of the course package:

*   TMdrive®-MVG2 Technical Manuals
*   TMdrive®-MVG2 Product Application Guide
*   Physical outline drawings
*   TMEIC Drive System Elementary and Drive Interface drawings

For more information please contact:
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Email: training@tmeic.com

Topics

Definition of Terminology and Acronyms

General Specifications and Ratings

Hardware Overview
*   Part numbers
*   Where to find the component on the electrical drawings
*   Physical location of each component
*   How to tell if this component is not functioning properly
*   How to change out and replace the component
*   How to configure the replacement component, if either hardware jumper or software download is required

Communication Networks - Maintenance and Supervisory
*   Basic checking, testing, troubleshooting, replacing, and retesting techniques

Inspection and Maintenance Schedules

Maintenance and Diagnostic Tests

Protective Functions

Troubleshooting
*   Faults and Alarms
*   Unique Techniques
*   Traceback

Grounding and Cabling

The Software Toolbox
*   Windows OS Setup
    -   Requirements
    -   File Structure
    -   File Transfer
    -   Connecting & Communication with the Drive
*   General
    -   Menus
    -   Windows
    -   Trending
    -   Animated Block Diagram
*   Trending and Recording

Spare and Renewal Parts
*   What is recommended
*   How to order