

## Maintenance Training



**Location: Roanoke, Virginia**

- **4½-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 TMdrive®-MVe2 drive and motor system
- ✓ To monitor, maintain and troubleshoot the TMdrive®-MVe2 drive system
- ✓ To recognize normal and abnormal drive system operation
- ✓ The terminology and meaning of the diagnostic messages
- ✓ To replace and reconfigure components
- ✓ Preventive maintenance procedures
- ✓ To quickly diagnose and identify externally-connected equipment failures

# TMdrive-MVe2 Maintenance Training

## Who should attend?

Engineers and technicians involved in the operation and maintenance of a TMdrive®-MVe2 Medium Voltage drive system will benefit from this course.

*This class does not cover installation and commissioning of the equipment.*

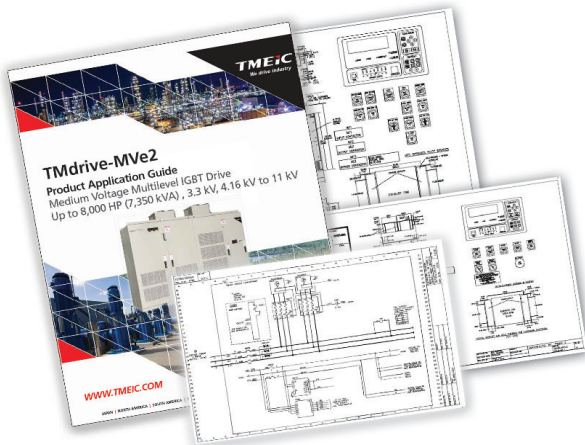
## Prerequisites

- 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®-MVe2 Technical Manuals
- TMdrive®-MVe2 Product Application Guide
- Physical outline drawings
- TMEIC Drive System Elementary and Drive Interface drawings



For more information please contact:

Darrin Quesenberry: 540-283-2239

Email: [training@tmeic.com](mailto:training@tmeic.com)

## Topics

### Definition of Terminology and Acronyms

### General Specifications and Ratings

### Hardware Overview

- Function and designation of each component
- 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

### TMdrive-Navigator drive software

- General information
  - Server Client
  - Drive File Location
- Features
  - Signal Groups
  - Trending
  - Drive Operation
  - Help
  - Live Block Diagram

### Remote Connectivity

### Spare and Renewal Parts

- What is recommended
- How to order

### Contacting our 24/7 Customer Support Team

- Registration for Product Service Updates

**[WWW.TMEIC.COM](http://WWW.TMEIC.COM)**