# TMdrive<sup>®</sup>-MVe2 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:

- $\sqrt{100}$  Fundamentals of operation for the TMdrive<sup>®</sup>-MVe2 drive and motor system
- $\sqrt{-}$  To monitor, maintain and troubleshoot the TMdrive<sup>®</sup>-MVe2 drive system
- $\sqrt{-1}$  To recognize normal and abnormal drive system operation
- $\sqrt{-1}$  The terminology and meaning of the diagnostic messages
- $\sqrt{}$  To replace and reconfigure components
- $\sqrt{}$  Preventive maintenance procedures
- $\sqrt{-}$  To quickly diagnose and identify externally-connected equipment failures



# Who should attend?

Engineers and technicians involved in the operation and maintenance of aTMdrive<sup>®</sup>-MVe2 Medium Voltage drive system will benefit from this course.

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

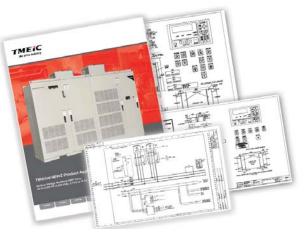
### Prerequisites

- 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<sup>®</sup> Windows<sup>®</sup> 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<sup>®</sup>-MVe2Technical Manuals
- TMdrive<sup>®</sup>-MVe2 Product Application Guide
- Physical outline drawings
- TMEIC Drive System Elementary and Drive Interface drawings



For more information please contact: Michael Baldwin: 540-283-2320 Email: 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

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