



Medium Voltage Systems School

Wednesday, March 5, 2014
Houston, Texas

A GREAT source of information on:

- *Medium Voltage [MV] Variable Frequency Drives [VFDs]*
- *MV induction and synchronous motors*
- *Starting strategies for fixed-speed motors*
- *VFD application and specification*
- *Effects of drives on power systems and motors*

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Course Overview

Medium voltage (MV) Variable Frequency Drives (VFD) and motors are widely applied to plant rotating machinery like compressors, pumps, fans, extruders, etc, ranging from a few horsepower (HP) to tens of thousands of horsepower. Safe, reliable and successful application of these VFDs and motors require a system level approach.

The TMEIC Medium Voltage Systems School is an information-packed one day series of practical sessions covering the selection, specification, and application of industrial MV equipment. Project engineers, equipment specifiers and technicians will learn key application concepts for MV large motors, variable frequency AC drives, and related MV power systems and distribution equipment that support the motor and drive installation. Instructors are TMEIC application engineers and industry experts with many years experience in MV drives, motors and integrated system applications in the petrochemical industry.

The focus for the course will be application topics that can be used right away to evaluate, design, test, and install a successful MV motor and drive. The dimensions of the course will be medium voltage (>2.3kV) and motor powers ranging from 500HP thru 100,000HP.

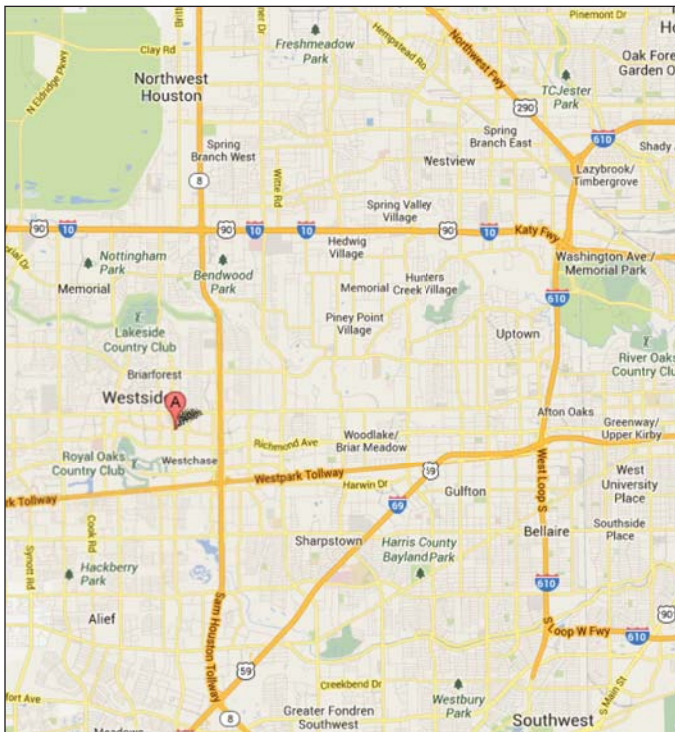
In addition to classroom presentations, attendees are encouraged to bring their own real-world application issues for group discussion. Six [6] Professional Development Hours [PDH] will be documented for those interested in applying their participation to maintaining their professional accreditation.

TMEIC Corporation
Houston, Texas



Location

TMEIC Oil & Gas Training Center
2901 Wilcrest Dr., # 210
Houston, TX 77042
837 767-2680



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Preliminary Course Agenda

Time	Topic
7:45 AM	<i>Breakfast</i>
8:30 AM	Welcome & Introduction
8:40 AM	System Diagram & Fundamentals
8:50 AM	Medium Voltage Induction & Synchronous Motors - Part 1 (of 2)
10:00 AM	<i>Break</i>
10:15 AM	Medium Voltage Induction & Synchronous Motors - Part 2 (of 2)
11:45 AM	Application Story
12:00 PM	<i>Lunch</i>
12:30 PM	Starting Large Capacity Fixed Speed Motors
1:15 PM	Fundamentals of Adjustable Speed Drives
2:00 PM	VFD Application Overview
2:45 PM	<i>Break</i>
3:00 PM	Effects of VFDs and Large Motors on Power Systems
3:45 PM	VFD Cooling Systems
4:30 PM	Evaluating & Specifying Variable Frequency Drives
5:00 PM	Adjourn

Final detailed agenda may vary

Classes are taught by TMEIC applications engineers and industry experts who bring practical industry experience to their presentations.

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Registration Form

Medium Voltage Systems School registration includes:

- Breakfast, lunch and snacks
- Electronic files of presentations

Tuition for the school is FREE to qualified participants. However, registration space is limited.

Registration Form Houston Medium Voltage Systems School, March 5, 2014

An interactive registration form is also available on our website: www.tmeic.com

Mail To: Sue Porterfield
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Salem, Virginia, USA 24153

Email To: Sue.Porterfield@tmeic.com
Phone: (540) 283-2004
Fax: (540) 283-2005

Name: _____
(First) (MI) (Last)

Company Name: _____

Mailing Address: _____

City: _____ State/Province: _____ Postal Code: _____ Country: _____

Job Title: _____ Industry: _____

Telephone: _____ Fax: _____

Email address: _____

What areas of specific interest would you like to have discussed? _____

Instructional and reference material will be provided as part of the school.

One company. A world of solutions.

*Advance Copy – dates and location fixed, some details may change!

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