



MU297: Motor Engine and Drives Maintenance & Troubleshooting

Training Description:

This training course introduction includes references to basic electrical theory, explanations, and other supporting resources.

This course is provided for informational purposes only. The contents of this course cannot substitute for proper training under and implementation of industry standards applicable to servicing and testing of electrical and mechanical equipment. You must carefully review and follow OSHA, NFPA and other regulatory requirements, equipment manufacturers' instructions, and your company's safety procedures when conducting any testing or servicing of electrical and mechanical equipment. The demonstrations in this training course were performed by our training expert in a controlled environment. Do not attempt to induce an arc fault, arc flash, or any other condition that could potentially damage electrical test tools or equipment or otherwise create any increased risk of personal injury.

Training Objectives:

By the end of the training, participants will be able to:

- ✓ Motor-drive inspection and diagnosis skills for quick repairs
- ✓ How to evaluate component failure, installation issues, and deeper system level issues
- ✓ How to identify the root cause of failures

Training Designed for:

This course is intended for maintenance professionals who have a working understanding of motor drive systems and who want to learn how to better identify, diagnose and resolve electrical, electronic and mechanical issues. Participants taking the entire course will benefit the most if they also have a working understanding of electrical theory and mechanical maintenance principles.

Training Requirement:

“Hand’s on practical sessions, equipment and software will be applied during the course if required and as per the client’s request.”

Contents can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client’s learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Program:

FIVE DAYS:

- ❖ Pre-Assessment
- ❖ Introduction
- ❖ How to assess erratic problems in motor-drive systems
- ❖ How to assess repeat problems in motor-drive systems
- ❖ How to prevent motor-drive problems from recurring
- ❖ Troubleshooting and maintenance of Engines and Drivers
- ❖ Case studies
- ❖ Course Conclusion
- ❖ POST-ASSESSMENT and EVALUATION

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Gamification, Software & General Discussions
- Pre and Post Test

Training Certificate(s):

CMCT Internationally recognized certificate(s) will be issued to each participant who completed the course.

Training Fees:

TBA as per the course location - This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:00	Recess (Prayer Break & Lunch)
13:00 - 14:00	Last Session

For training registrations or in-house enquiries, please contact:

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