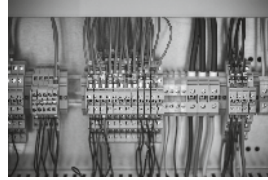


ELECTRICAL MAINTENANCE MODULE 2

Fault Finding of Motor Control Circuits and Equipment



WHO SHOULD PARTICIPATE?

Mechanical Maintenance – Fitters / Technicians / Engineers / Supervisors who are required or wish to develop their electrical maintenance competencies.

PREREQUISITES

All delegates must have the below experience/knowledge to attend this course:

- Understanding of safe isolation techniques
- Knowledge of OHM's Law
- Basic understanding of motor control components (contactors, timers, overload modules etc.)
- Basic use of electrical test equipment
- Use of insulated hand tools
- Understanding of protective devices (MCB, fuse, RCD, RCBOs)

We recommend that delegates who do not meet the above criteria attend our Electrical Maintenance Module 1 course.

PROGRAMME BENEFITS

By the end of the programme participants will be able to:

- Understand Motor Control Systems
- Fault find on conventional motor control units
- Understand Inverter drives (wiring and set up of parameters)

THE PROGRAMME WILL COVER:

- AC Motors
- Motor Control Systems Forward and Reverse
- Star Delta Starting
- Star Delta Forward and Reverse
- Interpretation of electrical drawings, use of hand tools and test equipment and procedures
- Fault Finding Techniques
- Calculating synchronous speed of motors
- Speed control of AC motors with use of Variable Speed Drives (VSDs)
- Parameterise drive with all relevant motor data

ASSESSMENT

Internal written and practical assessment.

Upon achievement delegates will receive an EAL e-certificate of verified achievement.



DURATION

5 Days

PROGRESSION

Electrical Maintenance Module 3 - Interrogation of PLCs and Inverter Drives to aid Fault Finding and Adjustment

OUR SERVICE LEVEL COMMITMENT

MGTS will ensure that:

- Your training and assessment programmes are delivered by Tutors highly experienced in the relevant subject matter and your industry
- The delivery of training and assessment will focus on your training objectives supported by up to date programmes and learning materials
- Your employees will receive training designed to meet their personal learning needs with additional support where appropriate
- Training programmes are delivered with your requirements as the focus ensuring total flexibility and on time delivery
- Your employees benefit from a healthy, safe and secure learning environment ensuring equality of opportunity and diversity of contribution to enhance the learning experience
- You and your employees are given support to achieve high quality personal learning and successful learning transfer to the workplace
- The confidentiality of your business development needs is maintained throughout

BOOKINGS & PAYMENTS

Bookings must be confirmed with either a purchase order or full payment to secure the booking.

New customers will be required to complete a New Customer Account form to open a credit account.

All customers will be invoiced upon booking; our standard payment terms are 30 days unless otherwise agreed in advance for credit account customers and 7 days for non-account customers.

Payment can be made by credit card or BACS/ bank transfer.

CANCELLATION POLICY

Where courses are under subscribed MGTS may cancel or re-arrange a course at their discretion. Customers will be notified no later than 10 working days prior to the planned commencement date.

MGTS accepts customer cancellations or transfers to alternative course dates, without charge up until 7 working days prior to commencement of training.

Cancellations or transfers 1 to 7 working days prior to commencement of training will incur a 50% course fee.

Cancellations with less notice than 1 working day will incur a 100% course fee.



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