

ELECTRICAL FOR MECHANICAL PERSONNEL

Introduction:

This forms part of our Multi Skill programme for Maintenance Technicians who as part of their work have to carry out basic electrical functions in a safe and proper manner.

Objective:

To enable skilled mechanical personnel to develop skills and knowledge of electrical work:

Programme Synopsis

- Deal with electrical safety including electrical shock and associated procedures
- Follow correct procedure for isolation, including locking off and permit to work
- Demonstrate an understanding of circuit theory
- Recognise voltage levels found on industrial installations
- Safely use a variety of test instruments to measure voltage, current resistance and insulation resistance.
- Demonstrate an awareness of the IEE 16th Edition Regulations and Electricity & Work Regulations
- Identify and terminate various types of cables and fittings found in industrial installations
- Recognise electrical symbols to BS3939 and to follow circuit diagrams to diagnose simple faults
- Demonstrate an understanding of the need for earthing and bonding
- Safely disconnect and reconnect single phase and 3 phase supplies to starters and motors.
- Appreciate the use of excess current devices
- Understand the use of relays and contactors show familiarity with a range of the more common AC motors starters e.g. DOL – REV – STAR DELTA
- Understand the use of remote control devices and follow basic fault finding procedures

Duration: Ten (10) days

Course Code: TSCEM10

Certification: Training Solutions 2000