INDUSTRIAL ELECTRICAL MAINTENANCE PART 2- MODULE 5

IND-05

DAY 1

- **Solenoids and actuators, principles of operation and maintenance**
- **State precautions that may be necessary when removing cores from energised AC solenoids**
- **Transformers, sizing, applications and uses**
- **Heaters, applications, uses and safety precautions to be observed**
- **Temperature controllers, various types, principles of operation and uses**
- **Thermal sensors, various types, principles of operation and uses.**

DAY 2

- **Proximity devices, limit switches and proximity switches, various types, principles of operation and uses**
- **Practical workshop, gaining an understanding of typical connections of various proximity devices and the range of available supplies catered for, voltage levels and current type**
- **Development of a typical simple control system using push buttons, proximity devices, relays and indicator lamps.**

DAY 3

- **Protection against overcurrent**
- **Protective devices, various types, suitability and uses**
- **Earthing, including principles of protection against indirect shock**
- **Undervoltage protection.**

DAY 4

- **Cable and core termination techniques, including crimping and soldering**
- **Practical workshop terminating YY, SY, SWA and MICC cable**
- **Testing, basic principles of circuit protective conductor testing and insulation resistance testing, instruments used and expected values**
- **Practical workshop testing cables terminated previously and testing cables with faults on test rig.**

DAY 5

- **Fault finding, safety precautions and principles**
- **Practical workshop on fault rigs**
- **Root cause analysis**
- **PPM and maximising uptime.**

COST: £625 (+ VAT)

PREREQUISITE: Understanding of Basic Electrical Principles (MOD-01 and IND-04)

DURATION: 5 Days

BOOKINGS: Telephone 01246 810444 or Email enquiries@techniquetraining.co.uk