



TRAINING & APPRENTICESHIPS

Skills Development Programme



Electrical Awareness



TDR Training are a leading training provider in the region, offering bespoke skills development programmes to enhance, upskill and retrain to meet future business demands.

www.tdrtraining.co.uk

Overview

During this course you will learn the basic understanding of electrical safety and associated principles, hand tools, practical exercises and testing procedures.

Training will include a combination of theoretical and practical exercises over the course.



Training & Content

Duration: 3 days

- Health & Safety legislation

Electrical theory, insulators and conductors

- Ohms' law
- Conductors & Insulators

Basic electrical components used in electrical engineering

- Isolators
- Common panel enclosures
- Circuit protective devices
- Relays & contactors

Interpretation of electrical diagrams and symbols

- Diagram types, common diagram symbols
- Insulation resistance testers

Practical electrical wiring

- Use visual inspection to identify incorrect wiring
- Use test equipment to verify continuity

Electric motors: 3-phase AC induction motors and their construction

- Identify the main components of a 3-phase induction motor
- Terminal connections - Star & Delta
- Inspection & testing
- Live or dead working
- Fault finding techniques

Course evaluation

Certification

TDR certificate of competence upon completion of training

TDR Training

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