



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.

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## 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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