

## Phase 1 Re-cap And Carouse 3 Test Revision

Controlled Document E-CP-014 © TTE Training Ltd



Bacic Principles of electricity

Voltage, Current, Resistance

Cables

Generation, distribution and Voltage Levels

Wire Colour Codes

Resistors and capacitors in series and Parallel

Ohms Law and Power Calculations

Wiring support systems Conduit, Tray and Trunking



IET Regulations

**Pomestic wiring** 

Protection RCD's Fuses MCB's

How to wire sockets, Lights and plugs

Calculating fuse sizes

Testing for dead

**Switches and Isolators** 

Rectifiers and Power supplies



Lighting Types, working principles, components, emergency lighting.

Inductance and Power Factor (leading and Lagging)
Power factor formulas.

Motors principles control and calculations including power and full load current, DOL, Safety circuits. Star and Delta.

Semiconductors - Transistors (FET and Bipolar) Diodes, Bridge Rectifiers

Measurement Data Tables and conversions.

Logic - Gates, TTL, Cmos, Binary, Truth Tables, Boolean.