

## **AIMED FAULT-FINDING ON INTERNAL COMBUSTION LIFT TRUCKS AND AERIAL WORK PLATFORMS**

### **TARGET GROUP**

Engineers who perform maintenance and repairs on internal combustion lift trucks.  
Engineers who want to gain an insight into performing diagnostics by means of electrical diagrams.

### **PRIOR KNOWLEDGE**

Prior knowledge of electricity on/in internal combustion machines is an asset, not a requirement.

### **GOAL**

- To gain an insight into electrical diagrams of internal combustion lift trucks.
- To be able to recognise and locate different components on a diagram.
- To perform a diagnosis of an error by means of the electrical diagram and a multimeter.

### **CONTENT**

#### **Theory:**

- Electrical diagrams
  - Lighting
  - Ignition system
  - Common sensors on internal combustion engines
  - Charging system
  - Valve control
  - Diagram analysis

#### **Practice:**

- Using an electrical diagram and multimeter to locate faults:
  - Lighting on internal combustion machine doesn't work
  - Engine doesn't start
  - Alternator doesn't work
  - Short circuit
  - Leakage currents
  - Machine doesn't lift/drive

### **DURATION**

2 days

### **TO BRING**

- Working clothes
- Safety shoes
- Test lamp
- Multimeter

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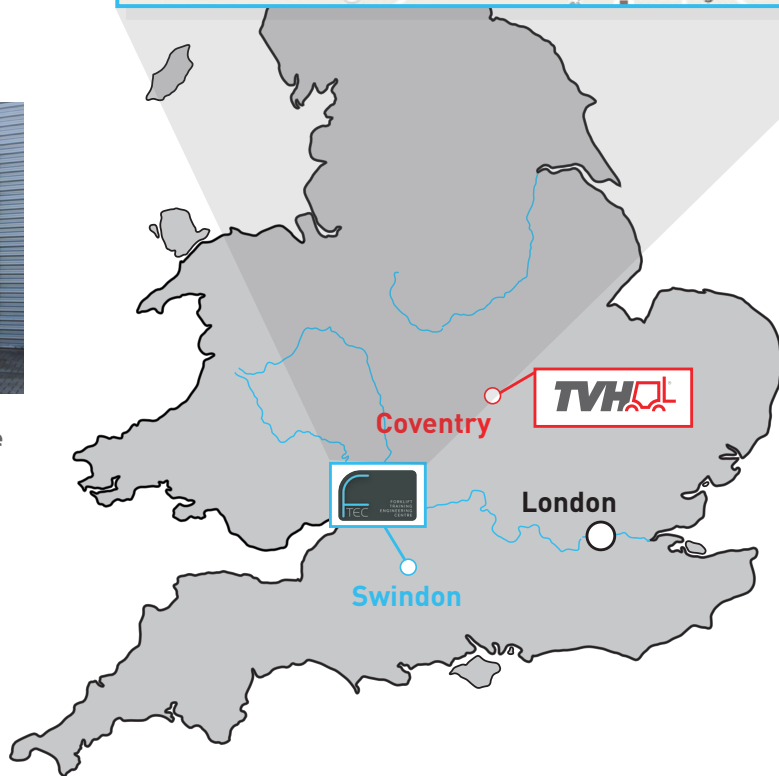


**LOCATION**



**FTEC – Forklift Training Engineering Centre**

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**FOR MORE INFORMATION OR ENROLMENTS:  
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