

BATTERIES AND CHARGERS



TARGET GROUP

Engineers who work with electric machines.
Engineers who want to acquire a decent knowledge of the functioning and maintenance of lead-acid traction batteries and their chargers.

PRIOR KNOWLEDGE

No prior knowledge is required.

GOAL

- To be able to understand the operating principle of batteries and chargers.
- To be able to check and run a diagnostic test of batteries and chargers by means of a hydrometer and multimeter.
- To match the correct charger to a battery and set them up correctly.
- To install and calibrate a conventional charger (Energic Plus).

CONTENT

- **Batteries**
 - What are voltage and current?
 - Types of batteries and their application
 - Traction cell
 - Composition
 - Functioning
 - Maintenance
 - Control procedure with a multimeter and hydrometer
 - Result analysis
- **Battery chargers**
 - Compatibility and settings
 - Conventional versus high-frequency
 - Charging curves
 - Options
 - Battery maintenance equipment
- **Safety and risks**

DURATION

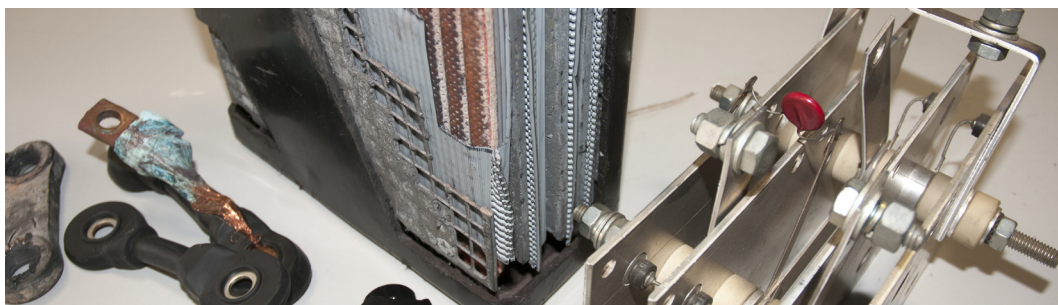
1 day

TO BRING

- Working clothes
- Safety shoes
- Safety glasses
- Acid-resistant gloves

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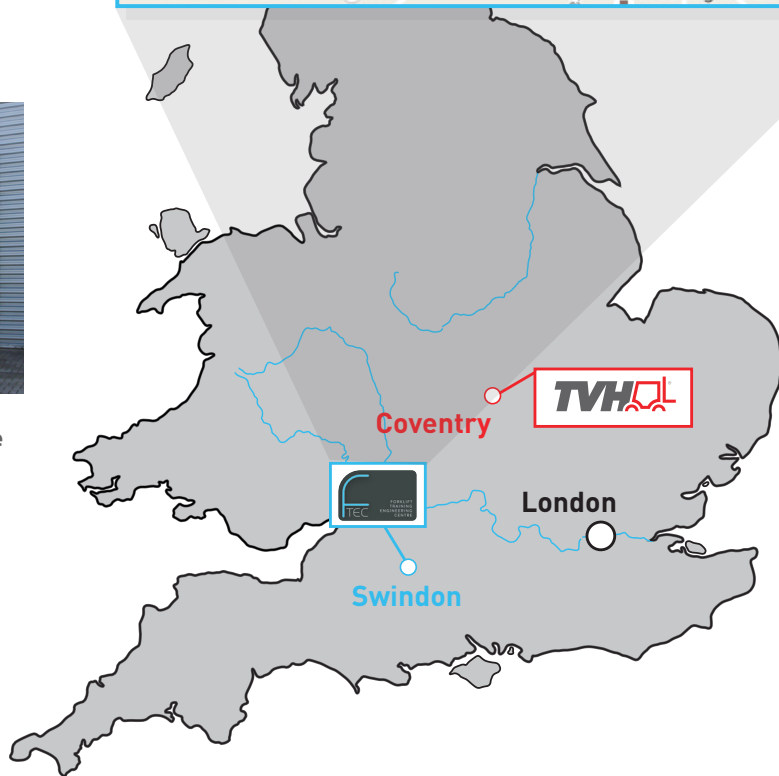


LOCATION



FTEC – Forklift Training Engineering Centre

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**FOR MORE INFORMATION OR ENROLMENTS:
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