

BATTERY MANUFACTURING TECHNICIAN

Level 3

Duration **33 months**



PATHWAYS

- Electrode technician
- Cell assembly technician
- Ageing, formation and testing technician
- Module and pack technician



JOB ROLES

- Cell Assembly Technician
- Electrode Technician
- Module & Pack Technician
- Formation, ageing and testing technician
- Cell production technician
- Battery production operative



DELIVERY MODEL

- Average 1 day per week of knowledge delivery - online
- Assessment in the workplace
- Repeat opportunities to attend knowledge sessions around operational complexities
- 4 weeks of block release for practical training
- Guest speakers from industry



KNOWLEDGE MODULES

- Battery technology fundamentals
- Battery manufacturing process
- C&G L3 in Occupational H&S
- Quality Control & Testing
- CI & Lean Manufacturing
- Information and Digital Technology
- Environmental and sustainability considerations
- Applications of battery technology
- Electro pneumatic and hydraulic systems
- Electrical systems of fault finding
- CAD for maintenance engineers



A BATTERY MANUFACTURING TECHNICIAN WILL;

Key Responsibilities in Battery Manufacturing:

- **Health, Safety, & Environment**
Follow safety, environmental, and risk management procedures.
- **Process Records**
Complete production records accurately.
- **Maintenance Support**
Assist with equipment setup, calibration, fault reporting, and routine maintenance.
- **Continuous Improvement**
Improve quality and sustainability by refining processes, reducing waste, and analysing data.

Role-Specific Tasks:

- **Electrode Technician**
Prepare, mix, coat, dry, and slit electrodes.
- **Cell Assembly Technician**
Prepare, wind, stack, fill, and seal cells.
- **Formation, Ageing & Testing Technician**
Conduct formation, ageing, testing, and final inspections.
- **Module & Pack Technician**
Assemble modules, perform end-of-line testing, and complete cell finishing.



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