



BATTERY SYSTEMS ENGINEER

As we move towards a net zero future, energy storage and electrification are at the heart of sustainable transport and infrastructure. Battery Systems Engineers play a vital role in designing, maintaining, and improving the systems that power electric vehicles and renewable energy solutions, making this a key role in both environmental progress and technological innovation.

Working as a Battery Systems Engineer means being at the forefront of energy technology, ensuring that battery systems are safe, efficient, and reliable across a range of applications, from electric buses and coaches to wider transport and energy networks.

Key Responsibilities

- **Designing and integrating battery systems** for electric vehicles and energy storage, ensuring compatibility with vehicle architecture and performance requirements.
- **Monitoring and maintaining battery health**, using advanced diagnostic tools and software to assess performance, degradation, and safety.
- **Conducting fault diagnosis and repair**, including cell-level analysis and replacement, thermal management troubleshooting, and system recalibration.
- **Collaborating with manufacturers and fleet operators** to support the transition to electric fleets, ensuring systems meet evolving regulatory and environmental standards.
- **Implementing safety protocols and compliance checks**, including documentation and reporting aligned with industry standards and best practices.
- **Staying ahead of technological advancements**, with continuous professional development (CPD) in areas such as battery chemistry, BMS (Battery Management Systems), and energy efficiency.

This role offers the opportunity to work with cutting-edge technologies and contribute directly to the development of greener transport solutions.

Participation in schemes such as **IMI TechSafe** or equivalent ensures you remain equipped with the latest skills and certifications, positioning you as a key player in the transition to clean energy and sustainable mobility.

The automotive industry is evolving faster than ever, and you can shape its future. Find out why there's more to motor here **MORETOMOTOR.ORG.UK**



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