



https://rle-futuremotiv.com/?post_type=jobs&p=5022

High Voltage Battery Systems Engineer

Description

Lithium-Ion battery design and development at both high-volume OEM and niche/prototype level. We are looking for a hands-on team member, who will embrace the company's can-do culture and professional business environment, and who can work directly with our customers and suppliers to develop and prototype manufacture High Voltage (HV) Battery systems. This role will cover all aspects of battery systems, including electrical, mechanical, thermal, and controls systems, and range from requirements management through design to final validation and testing. The candidate must be adaptable, self-motivated, and technically capable.

Responsibilities

Responsibilities include, but are not limited to:

- Hands-on development of HV batteries and their subcomponents
- Prototype battery manufacturing and rework
- Requirements decomposition and management
- Guide simulation team on analysis required and evaluate simulation outputs
- Supplier and customer communication on technical and project management
- Component and system-level testing – Producing test rigs, performing tests, and analyzing test results
- Maintaining compliance with HV electrical functional safety.

Qualifications

Personal attributes:

- Strong hands-on approach
- Can-do attitude
- Able to operate autonomously and as part of a team
- Ability to learn fast and to quickly pick up new skills and engineering concepts
- Ability to operate and communicate in an international, multi-cultural environment
- Excellent verbal and written communication skills

Technical attributes:

- Minimum 3 years of experience in automotive Powertrain / High Voltage system engineering

Hiring organization

FutureMotiv

Employment Type

Full-time

Beginning of employment

ASAP

Industry

Automotive, Electrical Engineering

Job Location

The American Barns, Banbury Road, CV35 0AE, Warwickshire, United Kingdom

Date posted

14 October 2021

Valid through

30.11.2021

- Experience in Lithium-Ion battery development and/or testing
- Bachelors or Masters Degree in a relevant engineering discipline –Electrical, Electronic, Automotive or Mechanical(or related professional accreditation).
- Sound engineering understanding and capability to apply basic scientific principles to real-world applications
- Familiarity with automotive industry processes, methods, and standards.
- Familiarity with regulations pertaining to Automotive High Voltage systems
- Familiarity with HV battery thermal management concepts
- Working knowledge of battery management systems (BMS)and associated parameters (e.g. SOC, SOH)
- Familiar with HV battery safety concepts, including interlocks, HVIL, manual service disconnect, and HV isolation
- Effective root cause analysis and ensure permanent corrective actions are implemented for quality issues.