



Urgently Hiring!

We're looking for

Low Voltage Battery Engineer (BTV) – 12V/48V Systems

On-site • Hefei, China

Full Time / Contract

Own the System. Drive the Architecture. Power the Future.

Job Description

- Take end-to-end technical ownership of advanced 12V and 48V Li-ion battery systems from initial concept phase through to series production (SOP)
- Define system architecture, cell selection, electrical schematics, and mechanical/thermal/electrical interface specifications
- Capture OEM technical specifications and cascade traceable requirements to BMS and thermal management systems using tools like DOORS or Polaron
- Drive seamless electrical and functional integration of the battery pack with vehicle energy management and low-voltage power distribution networks
- Implement ISO 26262 functional safety processes throughout the development lifecycle, including HARA, FMEA, FTA, and technical safety concept development
- Formulate and execute Design Verification Plans (DVPs) alongside Hardware-in-the-Loop (HiL) and system-level validation testing
- Manage technical coordination with tier-1 suppliers, supporting APQP processes, feasibility studies, and component release approvals
- Lead root cause analysis for complex electrical/electronic issues and drive corrective actions using industry-standard diagnostic and calibration tools

Qualifications

1. Education: Bachelor's degree in Electrical, Automotive, Mechatronics, or Systems Engineering (Master's preferred)
2. Experience: 3+ years in automotive (OEM / Tier-1) in 12V/48V battery systems, energy management, or power distribution
3. Technical Skills:
 - a. Protocols & Tools: Solid CAN/LIN knowledge; proficiency in CANoe, CANape, INCA, ODIS, or DiagRA
 - b. Processes & Standards: Familiar with DOORS/Jama/Polarion; understanding of ISO 26262, ASPICE, and ISO 21434
 - c. Bonus: Matlab/Simulink modeling, LV/HV integration experience
4. Languages: Good professional English (cross-team reviews) + Native Chinese (German is a plus)
5. Preferred: German OEM experience (VW, BMW, Mercedes-Benz, Audi) or battery cell development background

Apply now at

Email:

careers@cenergy.asia