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CYIENT

Vehicle battery control software development

Job Information

Hiring Company
Cyient K.K.

Job ID
1515955

Industry
Automobile and Parts

Company Type
Large Company (more than 300 employees)

Job Type
Permanent Full-time

Location
Aichi Prefecture, Okazaki-shi

Salary
Negotiable, based on experience

Refreshed
July 15th, 2025 04:00

General Requirements

Minimum Experience Level
Over 3 years

Career Level
Mid Career

Minimum English Level
Business Level

Minimum Japanese Level
Business Level

N2 and above

Minimum Education Level
Bachelor's Degree

Visa Status
Permission to work in Japan required

Job Description

Automotive battery development designer

Location: Okazaki (Hashime)

Japanese Level – Bilingual Japanese native Or Non-Japanese above N2

Job Roles and Responsibilities

- Lead the development of battery modules and cells, ensuring they meet standards for efficiency, durability, and safety.
- Serve as the primary point of contact for suppliers, coordinating specifications, performance expectations, and final validation.

- Design structural solutions for securely fastening battery modules within packs, ensuring safety and reliability.
- Define performance requirements and work with engineering teams to achieve optimal system performance.
- Conduct simulations based on battery characteristics to predict performance, inform design decisions, and ensure reliability.

Required Skills

Key Skills

- Bachelor's degree in Mechanical Engineering, Automotive Engineering, or a related field.
- 3 or more years of experience in automotive battery development, with specific expertise in module and cell design.
- Demonstrated experience working with suppliers to establish and refine technical specifications.
- Knowledge of battery technologies (e.g., lithium-ion chemistry, thermal management).
- Proficiency in performance simulation software (e.g., MATLAB, Simulink, ANSYS) and CAD software for structural design.
- Strong analytical skills for interpreting data and resolving design issues.
- Excellent interpersonal skills, with the ability to collaborate across teams and communicate technical details effectively
- Proven ability to manage project timelines and workstreams effectively

Company Description