

Automotive HIL Test Engineer

Exclusive job

Job Information

Recruiter
NEXUS Corporation

Job ID
1578120

Industry
Electronics, Semiconductor

Job Type
Permanent Full-time

Location
Tokyo - 23 Wards

Salary
6 million yen ~ 13 million yen

Refreshed
November 23rd, 2026 02:00

General Requirements

Minimum Experience Level
Over 3 years

Career Level
Mid Career

Minimum English Level
Business Level

Minimum Japanese Level
Fluent Level

Minimum Education Level
High-School

Visa Status
Permission to work in Japan required

Job Description

Job Overview

This role is for an Application Engineer working on C-HIL (Controller Hardware-in-the-Loop) solutions. You will support customers in areas such as e-mobility, power electronics, and power grids. The role starts with engineering support and gradually expands to demos, testing, and business support based on your skills.

This is a core position in a growing Japan team, with close collaboration with overseas engineers.

Key Responsibilities

- Support customers in implementing and maintaining C-HIL solutions
- Provide engineering support including test specification creation and automation
- Develop and maintain C-HIL demos for:
  - Motor drives
  - On-board chargers
  - Fast chargers
  - Battery management systems

- Create and demonstrate C-HIL test setups for power electronics and e-mobility applications
- Propose software and hardware improvements based on customer feedback
- Create technical documents, technical notes, and white papers
- Support pilot programs with new customers and new solutions
- Work with business development teams on sales and marketing support materials

After Joining

- Hands-on training provided after joining
- Daily collaboration with overseas teams
- Technical guidance and reviews from global members
- Stable and supportive environment for growth

Required Qualifications

- Educational background in Electrical, Electronic, Physics, Mechanical, or Information-related fields
- Minimum 2 years of engineering experience in power electronics, e-mobility, or related industries
- Basic programming skills in Python or C++ (other languages acceptable)
- Experience with SILS or HILS testing
- Comfortable reading English manuals and explaining technical solutions
- Native-level Japanese
- Class 1 ordinary driver’s license

Working Hours

- Standard hours: 9:00 – 18:00
- Flex time core hours: 11:00 – 15:00
- Break time: 60 minutes
- Average overtime: around 20 hours per month

Employment Details

- Full-time, permanent
- Probation period: 6 months

Benefits

- Commuting allowance (upper limit applies)
- Health insurance
- Employee pension insurance
- Employment insurance
- Workers’ compensation insurance

Retirement age: 65

Holidays and Leave

- Weekends and public holidays off
- Paid leave: minimum 10 days after 6 months
- Annual holidays: approximately 120 days

Company Description