HILS Engineering-Automotive Software Validation

住友商事×Tech Mahindraとの合弁会社。世界の自動車技術を席捲

Job Information

Hiring Company
SCTM Engineering Corporation

Job ID
1545171

Industry
Automobile and Parts

Company Type
Small/Medium Company (300 employees or less) - International Company

Non-Japanese Ratio
Majority Japanese

Job Type
Contract

Location
Saitama Prefecture, Asaka-shi

Salary
7 million yen ~ 10 million yen

Refreshed
February 11th, 2026 11:00

General Requirements

Minimum Experience Level
Over 10 years

Career Level
Mid Career

Minimum English Level
Business Level

Minimum Japanese Level
Business Level

N2/N3 skill in Japanese language

Minimum Education Level
Bachelor's Degree

Visa Status
Permission to work in Japan required

Job Description

Expected scope in SCTM

- Defining project scope, objectives, goals, and deliverables in collaboration with stakeholders.
- Developing and implementing project plans and monitoring progress to ensure projects stay on track.
- Preparing and managing project budgets, tracking expenses, and ensuring projects stay within budget.
- Identifying, assessing, and mitigating potential project risks.

Communication and control:
Maintaining clear and effective communication with stakeholders, including clients, team members, and senior management.

Team Leadership:
Leading and motivating project teams, fostering a collaborative environment, and resolving conflicts.

Delivery time adjustment:
Guiding the teams as per project milestones and responsible for critical reviews of offshore deliverables

Roles & Responsibility:

- Defining HIL specifications, creating plant models, wiring harnesses, and I/O interfacing, as well as performing HIL simulations and debugging
- Design, configure, and maintain HIL simulation environments, including plant models, wiring harnesses, and I/O interfaces.
- Perform HIL simulations, execute test cases, and validate software functionality against requirements
- Develop and maintain HIL simulation models, test scripts, and automation frameworks using tools like Simulink, MATLAB, and dSPACE
- Debug HIL systems, identify and resolve issues, and provide technical support

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Contract type
 1st year: contract, from 2nd year :Permanent

Annual Salary
 600000~800000

Work Location

- **Location**: Hybrid- SCTM & Customer (TBC)

Start timing
 ASAP

Required Skills

Required skill and experience

- 15+ yrs Overall Experience in related Industry
- Proficiency in dSPACE, Simulink, MATLAB, Capl, Vtest Studio, and other HIL simulation tools.
- Knowledge of automotive systems like powertrain, body electronics, and electric vehicle controllers.
- Familiarity with CAN, LIN, and other communication protocols.
- Understanding of microcontroller architecture and I/O configuration.
- Experience with programming languages like CAPL, Python, and scripting languages
- Possess strong Microsoft Computer skills (Word, Excel, PowerPoint,) and analytical ability
- Very strong sense of priority and effective decision making skills

Japanese skills (for foreigners)

- N3/N2 skill in Japanese language

English skills (for Japanese)

- Excellent Spoken and Written requirement

Company Description