# 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**
December 17th, 2025 12:00

## 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