



CFD/Thermal CAE Engineer(2輪車のCFD解析) – Motorcycle Programs

熱流体解析/CFD解析経験者【世界を代表する2輪メーカーのPJT】

Job Information

Hiring Company

SCTM Engineering Corporation

Job ID

1545170

Industry

Automobile and Parts

Company Type

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

Non-Japanese Ratio

Majority Japanese

Job Type

Contract

Location

Shizuoka Prefecture, Iwata-shi

Salary

6 million yen ~ 8.5 million yen

Refreshed

August 20th, 2025 12:00

General Requirements

Minimum Experience Level

Over 6 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.
- This Role is CFD Analyst of Two-wheeler Aero dynamic and Thermal area to work on all aspects of delivery on the ongoing / future vehicle programs
- 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:

- Complete responsibility of vehicle program validation for CFD and work cross functional design teams
- Full Vehicle External aero dynamic cumulative drag calculation, exteriors parts drag contribution calculation and Exhaust and Battery Thermal calculations
- Engine Cooling: Frond End Flow for different Speed condition
- Cooling Circuit: Prediction of system flow rates in cooling circuit
- Air Flow: Pressure Drop, Flow Distribution, Flow Velocity, Articulation and Defrost
- Air Intake: Prediction of Pressure Drop, Depression and FUI
- Exhaust & Fuel Tank Filling capacity simulation
- Ensuring compliance with regulatory requirements

Contract type

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

Annual Salary

500000~700000

Work Location

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

Start timing

8/1/2025

Required Skills
Required skill and experience

- 15+ yrs Overall Experience in related Industry
- 8 -15 Years of working experience in CFD/Thermal/Flow Simulation
- Rich experience in use of modelling simulation analysis software: Ansa, Star CCM+, ID Simulation Simulink
- Strong understanding of physics and dynamic systems
- Experience with testing and result correlation
- Execution of various load cases execution independently and providing countermeasures for achieving performance targets and improving overall design
- 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