

Job Title: Application Engineer (Thermal/CFD) – ThermoAnalytics Japan

Location: Tokyo, Japan (remote work)

Reports to: Regional Director, Japan

Company Overview:

ThermoAnalytics, Inc. is a leading developer of thermal and infrared simulation software and services, supporting industries including automotive, aerospace, defense, and architecture. Our innovative tools help companies analyze heat transfer, thermal comfort, and energy efficiency challenges. ThermoAnalytics Japan supports clients across the region with technical expertise, consulting services, and simulation solutions.

Position Summary:

We are seeking a motivated and technically skilled Application Engineer to join our Japan team. You will conduct thermal and CFD simulations for a wide range of applications, provide pre- and post-sales technical support, and collaborate with global and local teams to deliver outstanding engineering solutions.

Key Responsibilities:

- Perform simulations related to:
 - Component Thermal Management (HVAC, exhaust, brakes, etc.)
 - Human Thermal Comfort
 - Electrification and Battery Thermal Management
 - Durability
- Deliver engineering projects and consulting services for Japanese customers.
- Provide technical support, training, and software onboarding.
- Collaborate with the Sales team on pre-sales activities including demonstrations, proposal development, and customer visits.
- Attend industry events and contribute to marketing initiatives through technical presentations and simulations.
- Document and communicate simulation methodologies and results in Japanese.

Minimum Qualifications:

- Bachelor's or higher degree in Mechanical Engineering or a related field.
- Industry experience in 3D CAE (thermal, FEA, or CFD) simulation.
- CAE Preprocessing knowledge (e.g., ANSA, HyperMesh).

- Language: Native-level Japanese, conversational-level English.
- Strong communication and documentation skills.
- Ability to work independently while collaborating with global teams.
- Willing to and passion to continuously learn new techniques through jobs.

Preferred Qualifications:

- 3+ years of relevant industry experience.
- Experience using tools such as TAITherm, Fluent, OpenFOAM, STAR-CCM+, PowerFLOW.
- Programming skills (e.g., Python, MATLAB, shell scripting).
- Experience with human thermal comfort modeling, battery thermal analysis, or simulation for electric vehicles.
- Hold JSME certified computational engineering Grade 2 or above.
- Experience presenting technical content in conferences or customer meetings.

Travel:

- Occasional travel within Japan is required for customer visits, training, or conferences.

Compensation & Benefits:

- Compensation: ¥6,000,000 – ¥10,000,000 annually (includes 25 hours of fixed overtime per month)
- Trial Period: 6 months
- Working Hours: 9:00 AM – 5:30 PM (with 1-hour break)
- Holidays:
 - Saturdays, Sundays, and national holidays
 - Golden Week, summer vacation, year-end and New Year holidays
 - Total: 125 days off per year
- Insurance:
 - Health insurance, Employee pension, Unemployment insurance, Workers' accident compensation insurance

To Apply:

Please send your resume and cover letter (in Japanese and English) to:

careers-japan@thermoanalytics.com

(Include “Application Engineer – Japan” in the subject line.)