



# R&D Engineer Battery Thermal Modeling Li-ion M/F

 **Job Title:** R&D Engineer Battery Thermal Modeling Li-ion M/F

 **Company:** Entreview

 **Location:** Grenoble, France

 **Employment Type:** Full-Time Permanent Contract

Are you looking for a unique opportunity to apply your skills in an environment that is not only dynamic and innovative, but will also push you to exceed your limits? If so, we have exactly what you need. Join [Entreview](#), a cutting-edge startup that is revolutionizing the battery industry, as an R&D engineer in our dynamic team!

## **About Entreview :**

ENTREVIEW is a deeptech start-up, supported by BPI and Grenoble INP, which has set itself the mission of making Li-ion batteries intelligent for energy storage and mobility. We aim to make batteries safer, more efficient, and environmentally sustainable.

To do this, we carry out and exploit entropy measurements on Li-ion batteries using a patented method, then we use this data for diagnosis, characterization, and predictions.

After 6 years of research, we founded the company in July 2021, and we continue to grow to implement the next steps of applied research that will lead to the development of battery management software.

## **Context and objective of the position:**

Entreview carries out characterizations and diagnostics of Li-ion cells, notably for state of health (SOH), state of charge (SOC), and end of production line tests (End Of Line testing including self-discharge). We therefore work throughout the battery life cycle, from production with gigafactories, to health status diagnostics during use, and at the end of the battery's life. Currently, these characterizations are performed on individual cells in the laboratory and in the industry. To be able to apply our solutions in a real situation, for use in the automotive market or for stationary storage, it is necessary to switch from the cell to the battery pack. The objective of this

position is therefore to participate in the implementation of our laboratory technologies towards real use. For this, 3D thermal modeling will allow a better understanding of the thermal behavior of Li-ion modules and battery packs and therefore to best adapt our solutions to field uses.

#### **Your missions :**

- Carry out 3D thermal and/or multiphysics modeling of Li-ion cell, module, and battery pack
- Experimentally validate modeling results with our team in charge of experiments
- Participate in various Entroview projects (SOC, SOH, EOL)
- Present your results
- Interact with external partners (research laboratories and industrialists)

#### **Candidate Profile :**

The candidate, with at least 2 years of experience or a doctorate in the field of 3D thermal modeling, must in particular have thermal modeling and/or multiphysics skills. Experience in the field of Li-ion batteries is a plus.

He/She must also show autonomy and have significant motivation and dynamism to work in an industrial research environment.

#### **Required Skills:**

- Modeling software: Comsol or other
- Programming languages: Python
- Language: English proficiency

If you lack some skills but feel capable of learning and progressing, your application is welcome.

#### **Benefits :**

At Entroview, we believe that our employees are our greatest asset. That's why we offer a set of benefits designed to help our employees thrive both professionally and personally:

- Gain hands-on experience in a fast-paced startup environment, where you are encouraged to take initiatives and actively participate in decision making.
- Work alongside a diverse and talented team of battery industry experts, who will help you develop your skills and broaden your horizons.
- Opportunity to make a significant impact in the sustainability and clean energy sector. At Entroview, every employee is a key player in our mission.
- We understand that our employees have a life outside of work and we strive to create a work environment that promotes work-life balance.

---

So, what are you waiting for? Join us and be part of the energy revolution! This job opportunity is available from April 2024 and offers a unique chance to grow and develop as an R&D engineer in a future-oriented startup.

To apply, don't hesitate to send your CV to [recrutement@entroview.com](mailto:recrutement@entroview.com), specifying the job title in the subject of the email. We look forward to receiving your application and welcoming you to the Entroview team!

