

# Automatic/Systems Engineer

 **Job Title:** Automatic Engineer/Embedded Systems

 **Company:** Entroview

 **Location:** Paris/Grenoble/Lyon, France

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## **About Entroview:**

Entroview is a pioneering start-up that uses entropy-based technology to optimize battery management. Our mission is to make batteries safer, more efficient, and more environmentally friendly. As we continue to grow and develop, we are looking for a motivated automation/system engineer to strengthen our team and work on system modeling and simulation.

## **Responsibilities:**

- Develop and refine the algorithms for accurate State of Charge (SOC) estimation, ensuring reliability and efficiency.
- Analyze battery data to identify patterns, outliers, and other critical factors that can influence the estimation of SOC.
- Perform in-depth simulations in Simulink to test and validate the SOC estimation algorithms
- Maintain complete documentation of models, algorithms, and tests, ensuring clarity and ease of understanding for future reference and use.
- Maintain and develop entropy algorithms.

### **Requirements:**


- Degree in automation engineering, control systems, electronics or a related field.
- Knowledge of automatic control principles and dynamic systems.
- Significant experience with Matlab/Simulink for modeling and simulation.
- Knowledge of estimation algorithms (like Kalman filter), particularly in SOC estimation for batteries (or willingness to learn).
- Strong analytical and problem-solving skills, with the ability to work on complex algorithms and models.
- Experience with data handling and analysis, preferably in Python or MATLAB.
- Critical thinker with attention to detail and the ability to work both independently and as a team.
- Excellent communication skills, with the ability to clearly convey complex technical information.

### **Technical Stack:**

- Matlab
- Simulink
- Python

### **Benefits:**

- Gain hands-on experience in a rapidly evolving startup environment.
- Work alongside a diverse and talented team of battery industry experts.
- Opportunity to make a significant difference in the sustainability and clean energy sector.
- Flexible working hours to balance personal commitments.
- Hybrid work model
- Attractive remuneration based on profile
- BSPCE plan for employees

 **Process:** 15-minute phone interview to validate the application, followed by one or more interviews with team members and a one-hour visual or physical interview with the two founders.

