Nature of Position

Liquid Metal Battery Corporation (LMBC) is seeking an engineer to design, operate, and evaluate the performance of high temperature batteries for our newly formed cleantech enterprise, a recent start-up company spun out from MIT. This product engineer (PE) position will be responsible for designing standardized medium and large format cells, developing testing protocols, and optimizing cell performance through iterating cell design. Specifically, this PE will be the only engineer assigned to work on both the medium and large-format cells, and will use performance results and post-mortem analysis to inform modifications to cell designs and processing procedures of both cell sizes. This PE will play an integral role on a great team that seeks to commercialize the liquid metal battery technology, which will enable an efficient electricity grid with high penetration of cheap and sustainable energy.

Responsibilities

- Design and standardize medium-format cells for high throughput and long lifespan testing
- Design and standardize large-format cells to demonstrate cell performance at large scales
- Procure components, assemble cells, and operate batteries
- Evaluate battery performance, redesign cell components as necessary
- Investigate possible cell degradation mechanisms

Requirements

- Demonstrable success on technical projects
- Ability to engage and solve complex engineering problems
- Recognized by colleagues as a ‘go-to’ person to solve challenging issues
- BS (or higher) degree in a relevant field of the physical sciences or engineering, such as applied physics, materials science, mechanical engineering, chemical engineering
- 3+ years of relevant hands-on experience
- Strong organizational and communication skills
- Capable of working both independently and as part of a fast moving team

Pluses

- Knowledge of high temperature metallurgical, electrochemical, or chemical systems and metal joining processes
- Understanding of corrosion mechanisms and chemical compatibility issues
- Understanding of cost implications of product design, value engineering

Description of Duties

The PE will report to the CTO and will have primary responsibility for 1) designing and building medium and large-format cells; 2) collecting and analyzing battery performance data; and 3) interacting with other teams to ensure smooth system-wide integration.

Compensation

Based on skills and relevant experience.

About LMBC

LMBC is an early-stage company working to develop and commercialize a radical new battery technology that will revolutionize grid-scale power storage. Our battery has the potential to cost significantly less than existing batteries and would be a major enabler for more widespread use of sustainable energy sources and the development of more efficient power systems. LMBC is based in Cambridge, MA and is backed by top-tier investors. We are constantly seeking creative, ambitious, and tenacious individuals to join our team and work with us to change the world.

To apply: Contact admin@lmbcorporation.com.