

Nature of position:

Liquid Metal Battery Corporation (LMBC) is seeking an engineer to design and evaluate critical high temperature (~500°C) components for our newly formed cleantech enterprise, a recent start-up company spun out from MIT. This Product Engineer (PE) will be responsible for 1) setting up testing infrastructure for critical components, such as dielectric seals, 2) developing testing protocols, and 3) evaluating the performance of various materials, designs, and fabrication approaches. This PE will play an integral role on a great team that seeks to commercialize liquid metal battery technology, which will enable an efficient electricity grid with high penetration of cheap and sustainable energy.

Responsibilities:

- Identifying and evaluating candidate component materials and designs
- Establishing high temperature component testing infrastructure and data acquisition systems
- Designing and running experiments to evaluate component performance
- Performing materials characterization to understand component degradation mechanisms

Requirements:

- BS (or higher) degree in a relevant field of the physical sciences or engineering, such as materials science, applied physics, or mechanical engineering
- 3+ years of hands-on experience with glasses/ceramics for high temperature applications
- Strong organizational and communication skills
- Capable of working both independently and as part of a fast moving team
- Demonstrated success on a technical project
- Experience with chemical/metallurgical analysis techniques

Pluses:

- Knowledge of high temperature metallurgical, electrochemical, or chemical systems
- Understanding of sealing approaches, interface joining mechanisms, and material degradation mechanisms
- Understanding cost implications of product design, value engineering
- Experience with statistical analysis and data correlation

Description of duties:

The PE will report to the Senior Process Engineer and will have primary responsibility for 1) establishing battery component testing infrastructure; 2) collecting and evaluating component performance; and 3) interacting with other teams to ensure smooth system-wide integration.

Compensation:

Based on skills and relevant experience.

Interested candidates should contact: admin@lmbcorporation.com

About LMBC:

Liquid Metal Battery Corporation (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.