

Graphenix Development Inc.: Battery Materials Engineer

About Graphenix Development Inc. (GDI)

GDI is creating the future of energy storage. GDI's battery technology will allow electric vehicles to go much farther and batteries to last much longer. When a battery is running low, it will charge in a fraction of the time needed by conventional lithium-ion batteries. But that's not good enough, not even close. GDI is focused on safety and we've got the technology to prove it. But even that's not enough, which is why we need your help to make the apex lithium-ion battery needed throughout the new economy.

GDI is an investor-backed company focused on electrode development, manufacturing, and advanced materials. Our team collectively has decades of experience and holds over 40 patents. We create cutting-edge technology that will make the world a better place.

Educational Requirements: Minimally MS in Engineering, PhD in Engineering or Physical Sciences with emphasis on Energy Storage and/or Material Science preferred

Experience/Skills Required:

- Extensive laboratory experience in both the making and characterization of materials.
- Fundamental chemical and/or mechanical engineering principles.
- Familiarity with material characterization such as SEM/EDS, TEM, XRD, TGA.
- Handling of hazardous materials and general laboratory safety best practices mandatory.

Experience/Skills Preferred:

- Battery cell construction and characterization; full and half cells, pouch and coin cell formats.
- Battery cyclers programming.
- Electrochemical characterization techniques such as galvanostatic/potentiostatic cycling, cyclic voltammetry, and impedance spectroscopy.
- Basic understanding of the chemistry and operation of lithium ion batteries.
- Familiarity with CVD processes, cleanroom operations, glovebox operations, and dry room assembly environments.

Behavioral Attributes:

- Highly independent and self-starter.
- Outstanding team player and collaborator.
- Thorough and clear communication in both formal written formats and oral presentations.

Roles and Responsibilities:

- You will be reporting to the Director of Research & Development
- Provide engineering analysis for the impact of different components in battery cells on the overall performance.
- Operate equipment for laboratory testing including electrochemical analyzers.
- Prepare summary reports, communicate results in an effective way.
- Work with external prospects and customers to define, develop, and exceed specifications.
- Material characterization, engineering principles, basic statistics and analysis of data, independent learning.
- Assist and contribute to battery cell handling and testing procedures.
- Develop and implement system support process and documentation.
- Interact with existing and potential collaborators inside and outside of the organization.

- Support business development efforts as needed.
- Expand and protect the company's intellectual property portfolio

Location: Rochester, NY. Some travel is required domestically and internationally, depending on Covid restrictions and safety requirements.

Compensation: Compensation is competitive and includes stock options (i.e. when the company does well, we will all do well).

Eligibility: Applicants must be authorized to work in the United States.

Please send a cover letter and resume to: apply@graphnx.com, subject line should be "Applicant: Battery Materials Engineer". Should we both decide to move forward with your candidacy for this position, we will ask for a list of at least three references.

GDI is an equal opportunity employer and complies with all applicable federal, state, and local fair employment practices and laws. All qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, ancestry, sex, sexual orientation, gender, gender expression, gender identity, genetic information or characteristics, physical or mental disability, marital/domestic partner status, age, military/veteran status, medical condition, or any other characteristic protected by law.