



Senior Cathode Materials Engineer

Battery Resources (BR) is a lithium ion battery recycling startup company building out its core technology at the demonstration scale and looking to move to full commercial scale. BR is poised to revolutionize the battery industry with its patented technology enabling the recycle of Li-ion batteries regardless of size, shape or chemistry directly into materials for use in new lithium ion batteries.

Job Description

The Senior Cathode Materials Engineer of the Company, reports to the Chief Technical Officer (“CTO”). In such position, the Employee shall be responsible for the Company’s next generation of high ultra quality cathode materials sourced from recycled materials, specifically the synthesis and development of new cathode products from spent lithium ion batteries.

Primary duties

- Assist in synthesizing high nickel NMC precursor from recycled solutions
- Lead sintering and coating development for high Nickel NMC cathode materials
- Working with other members of the engineering team to provide quality control on the incoming solution for NMC precursor synthesis
- Establish quality controls for cathode sintering, coating and sizing
- Working with product development team to ensure the material meets customer specifications and is of the highest quality with zero defects

Additional duties, authority, and responsibilities may be determined from time to time by the CTO, as consistent with the Employee’s position. The Employee shall use his reasonable best efforts, judgment, and energy to improve and advance the business and interest of the Company in a manner consistent with the duties of his position and with the Company’s ethical, legal, and professional standards.

Education: Ph.D Mechanical, Materials or Chemical Engineering preferred or BS with >5 years cathode materials development experienced will be considered.

Experience: Minimum 5 years of cathode development experience, working understanding of NMC sintering reaction



Skills

- Demonstrated expertise with complex materials engineering solutions
- Knowledge of current state of the art lithium ion battery material production process
- Sound understanding of electrochemical processes in Lithium Ion Battery.
- Understanding of standardized cell test methodologies.
Advanced knowledge of solid state physics and chemistry
- Detailed record keeping and statistical analysis
- High sense of responsibility, excellent coordination ability, communication ability and overall management ability, strong pressure resistance ability
- Using MS Office tools like Word, EXCEL, Outlook, Project
- Fluency in English
- Ability to speak Mandarin a plus