



JOB DESCRIPTION – PROCESS ENGINEER, SR. PROCESS ENGINEER

Battery Resources (BR) is a startup technology company commercializing its patented low-cost process for producing high quality cathode active materials from spent lithium ion batteries. With successful operation of our Worcester Massachusetts demonstration plant and strong relationships throughout the electric vehicle supply chain we are building out our team to execute our 1st of multiple production scale manufacturing plants starting in late 2020.

Job Description: The Process Engineer reports to the Chief Operating Officer and will be responsible for designing, executing, monitoring, troubleshooting, and improving new process technologies to support our cathode technology scaling. Work will support both our Massachusetts demonstration plant as well as the design and execution of our new production plants in the US and Europe.

Responsibilities:

- Technology and vendor selection for new processes including mechanical material separations, extractive metallurgy, chemical batching and mixing, aqueous chemical reactions, solid/liquid separations, as well as powder processes including batching, mixing, sintering, and milling.
- Design and execution of development and production plant continuous improvement projects in support of new product or process introduction projects.
- Use of traditional APQP and best practice tools such as PFD, DFMEA, PFMEA, SPC, and control plan
- Development of mass and thermal balance, equipment list, utility matrix, and layouts in support of new production line or plant level projects
- Creation of standard operating procedures, maintenance plans, and troubleshooting guides.
- Design of chemical and mechanical process development experiments to support trouble shooting and new product, process, equipment, or technology introductions.
- Line engineering support and process monitoring to ensure consistent product quality and a stable technology scaling platform for new product development and introduction.
- Provide leadership, guidance, and mentoring for junior engineers and engineering technicians.
- Observe all company, state and federal safety and environmental regulations

Qualifications and experience:

- Minimum of a BS in Mechanical, Chemical, or relevant engineering field and 2+ years of production experience
- Experience working with hazardous materials and processes
- Knowledge of lithium ion battery materials or materials synthesis a plus

Physical and Environmental Requirements:

- Capable of wearing task specific personal protective equipment including dust mask, respirator, safety shoes, gloves, and safety glasses/face shield



- Capable of meeting OSHA standards for manual lifting guidelines: < 50lbs
- While performing the duties of this job it is required to stand, walk, and use hands to operate objects, tools, or controls; reach with hands or arms; climb, balance, stoop, kneel, or crouch when necessary for job activity.

What we offer you:

- A competitive salary
- 40hrs/week
- Full Benefits

Read about Battery Resources:

<http://www.masscec.com/about-masscec/news/baker-polito-administration-announces-200000-grants-early-stage-clean-energy>

<http://www.uscar.org/guest/news/895/Press-Release-USABC-AWARDS-140-000-Li-ION-BATTERY-RECYCLING-CONTRACT-TO-BATTERY-RESOURCES>