

Process Engineer (Li Ion Experience)

Ion Storage Systems is seeking an experienced engineer to help develop the next generation of Li metal batteries. The Process Engineer will work cross functionally in both lithium metal cell and ceramic electrolyte development, driving process improvements and quality tracking. The Process Engineer will apply knowledge of state of the art lithium ion manufacturing processes to develop and implement quality control measures and improve existing processes in the fabrication of Li metal cells. In addition, the Process Engineer will apply their industrial experience to the manufacturing of solid state electrolytes. Responsibilities include hand-on materials processing, characterization of process control, improving documentation, and conducting data collection, analysis and reporting. The Process Engineer will work closely with other engineers and scientists as part of a fast-moving, cross-functional R&D team.

Key Responsibilities:

- Develop and validate improvements on a range of processes, including lithium metal cell fabrication and ceramic electrolyte fabrication, leading to robust processes for commercial scale production
- Qualify new process equipment and procedures
- Develop and implement quality control methods and procedures for materials
- Work closely with database software engineer to improve platform for R&D

Required Qualifications:

- B.S. or M.S. in engineering or physical science and 2-3 years of lithium-ion industrial-scale experience
- Deep knowledge of current lithium-ion battery production processes
- Drive to develop new, creative approaches to solving technological barriers
- Demonstrated ability to master new technologies and drive improvement
- Excitement in applying skills in process engineering to new domains
- Excellent communication and interpersonal skills

Preferred Qualifications

- Familiarity with SPC methodologies
- Familiarity with roll-to-roll coating and/or thermal processing

Special Working Conditions:

- Occasional travel may be necessary for program reviews, vendor visits, etc.

Reply to: jobs@ionstoragesystems.com