



Our team has an opening for a ***Manufacturing Engineer***

### **WE ARE...**

A carefully cultivated team of seasoned battery industry geeks who know how batteries have always been made. We're passionate about power. No, not that kind of power. We know how batteries should work and more importantly, what keeps them from working as well as they could.

### **THAT'S WHY...**

We knew we had to shake-up how batteries are made if we are going to make YOU a better battery. You know that old saying – doing the same thing over and over and expecting different results is the definition of insanity? Well, that's what other companies have been doing with Lithium Ion for over 30 years. Which is insane.

### **SO WE...**

Re-imagined not just how batteries are made but what makes them. We combined two technologies that no one has merged before and the results are a battery that's simply remarkable. Yes, we're excited about it. We make your batteries safer and more resilient – so your products can protect their users and outlast the competition. They're lighter and more rugged – removing design barriers you've had to live with for way too long.

### **AND WE...**

Do it all right here from 20,000 square feet in Maryland. Imagine that – shaping the future right here in the USA. America has always been a powerful place. We're delighted to be a part of powering America's Next Generation of Possibility.

### **TAP INTO THE POWER OF ION**

**Want to apply? Get in touch today**

Please send us your resume and cover letter to [jobs@ionstoragesystems.com](mailto:jobs@ionstoragesystems.com)

## What you'll be doing (Role)

Do you enjoy the challenge of scaling up lab scale processes into pilot and full scale production lines? Does the prospect of designing and building out a brand new factory sound exciting? Do you thrive performing hands-on testing of new equipment and playing a key role in company decisions on CAPEX? Are you looking to accelerate your career with a rapidly growing company? If so, we're excited to talk to you.

The **Manufacturing Engineer** will perform critical engineering work to develop, scale, and procure new process technology in the pursuit of cost-effective manufacturing methods for solid-state batteries. Responsibilities include understanding and solving technical challenges with proprietary process technology, managing external development work, procuring validated manufacturing equipment, and managing the installation of equipment on our pilot line. The **Manufacturing Engineer** will report to the Senior Process Engineer while working closely with other engineers and scientists as part of a fast-moving, cross-functional team. The applicant should have good communication and interpersonal skills and be comfortable working independently in a fast-paced environment.

## Your Responsibilities (Job Description)

- Manage various Process Engineering projects to validate and source equipment required for future manufacturing growth. Analyze different equipment options to balance cost, capability, performance, and capacity.
- Work with OEMs to do development trials and ensure their completion in an expedient manner.
- Sufficiently understand the product and process manufacturing requirements of our solid-state cells and use that knowledge to technically evaluate and down select manufacturing equipment.
- In conjunction with other team members, create and revise Equipment Specifications, P&IDs and other necessary documentation to support the acquisition and installation of procured equipment.
- Create testing requirements for Factory Acceptance Tests (FATs) and attending those tests.
- Manage Facilities changes needed to support newly acquired equipment.
- Provide essential feedback to R&D on research efforts needed to improve scalability as we work to build a state-of-the-art manufacturing process. The role will be critical to the development and execution of our growth – bring bold yet practical ideas and work with the team to make them a reality.
- Perform all work in adherence to company environmental, health and safety guidelines. Identify and correct potential safety hazards proactively.
- Travel: 10-20% Expected

## What we need from you (Required Qualifications)

- BS in Mechanical Engineering, Electrical Engineering, or Chemical Engineering
- 3-5 Years of Industrial Manufacturing Experience
- 1-3 Years managing projects to acquire new industrial equipment including CAPEX requests, specification reviewal, RFQ process, Installation, SAT/FAT or IQ/OQ/PQ, etc.
- Familiarity with automated roll-to-roll and web handling manufacturing processes.
- 3D Solid Modeling Experience using a CAD Software

## What we would like to see (Preferred Qualifications)

- 3-5 years managing projects to acquire new industrial equipment including CAPEX requests, Specification Reviewal, RFQ process, Installation, SAT/FAT or IQ/OQ/PQ, etc.
- 1-3 Years Experience scaling up manufacturing processes from pilot to full scale production.

- 1-3 Years Experience manufacturing solid oxide fuel cells, lithium ion cells, roll-to-roll processing, powder processing, industrial thermal processing (drying or sintering processes), battery cell assembly equipment, and/or cell testing equipment. General automation experience also helpful.
- Statistical analytical skills (SPC, DOE, modeling) skills

### **What skills & experience you'll bring to us (Required Skills)**

- A positive attitude, self-motivated, well-organized, and reliable.
- Comfortable with daily use of MS Word, Excel and Outlook.
- Excellent oral and written communication skills.
- Ability to wear multiple hats and be flexible – at a startup, goals and tasks could change rapidly.
- Ability to work independently with minimal direction

### **Safety**

- Display and promote positive safety behaviors at all times; show leadership by working to EHS standards and encouraging colleagues to work to the same standards; use appropriate personal protective equipment, safety tools, and safety procedures.
- Ensure incidents are reported and assessed in a timely manner.
- Consider safety awareness and accident prevention in performing all tasks.
- Follow COVID 19 protocols including wearing a mask.
- Ability to climb stairs and occasionally lift up to 45 pounds.
- Ability to wear a fitted or powered air respirator occasionally as required by company policy.
- Ability to work around magnets occasionally.

### **Work Environment**

- Chemical Laboratory
- Pilot-Scale Manufacturing Environments

### **Benefits**

- Immediate eligibility for company medical, dental, and vision insurance benefits.
- Paid Time Off and Paid Company Holidays
- Stock Options

This role does not offer sponsorship for work authorization. Applicants must be eligible to work in the US.