

## Electrical Engineer – Boston, MA

Nth Cycle is on a mission to enable a low-impact, streamlined supply of critical minerals for the energy transition. We are a fast-paced, dynamic team looking for someone who's passionate about climate impact and the clean energy space.

### Position Description

The Electrical Engineer will work to help scale and commercialize Nth Cycle's proprietary technology to customers in the metals recycling and mining industries. This will be in the form of advanced internal pilots, customer pilots and full customer site processing plants. The Electrical Engineer will be responsible for both power and controls circuitry and controls programming related to Nth Cycle's core technology: electrochemical precipitation of critical metals. This includes sourcing and specification of capital equipment for the aforementioned plants as it relates to this role, and the validation and optimization of the associated processes as the project goes from paper to real life.

The Electrical Engineer will report directly to the VP of Operations and work with a multidisciplinary team of other capable engineers and stakeholders from other key functional areas to introduce this technology to the world in a revolutionary way. This position will be in constant communications with manufacturers, the R&D team, and Product Lead to achieve fast paced objectives as a technical leader and critical team member.

### Responsibilities include:

- Design of electrical hardware and software including component selection, test/prototype building and debugging and programming.
- Obtaining required approvals, such as UL.
- Designing, reviewing, and optimizing control systems in their respective environmental conditions.
- Develop Engineering Requirement Documentation, Design Verification Test Plans, write up Design Specifications, as well as lead design reviews.
- Source, review, and validate chosen industrial electrical power components and controls.
- Coordinate with and be point person for external engineering companies for all aspects within the electrical engineer's scope.
- Manage electricians for internal and customer installations.
- A broad understanding of all electrical engineering aspects for industrial process facilities is desired.

### Experience & Qualifications

- BS or MS in Electrical Engineering.
- 5-10 years of Electrical Engineering experience in a related environment.
- Knowledge and design execution experience in power distribution, electric load studies, cable sizing, cable distribution, wiring schematics, lighting, grounding, lightning protection, and process diagrams.
- Well-versed in current US electrical design codes and standards (NFPA, NEC, NESC, IBC, IFC, IECC,

etc.) relative to occupied buildings, structures, and industrial manufacturing facilities.

- Experience with high current applications.
- Strong technical and diagnostic skills.
- Flexible thinking especially while problem solving.
- Strong verbal and written/digital communication skills.
- Attention to detail and deadline and budget aware.
- Previous experience with permitting- desirable.
- Previous experience/certifications in Lean manufacturing, 5S, and/or Six Sigma- desirable
- Ability to work in a fast-paced environment.

### **Location**

#### **Greater Boston Area**

- Full-time Position
- Eligible for Medical, Dental, and Vision benefits
- Competitive compensation

### **Contact**

Send your resume and cover letter to CEO Megan O'Connor at [occonnor@nthcycle.com](mailto:occonnor@nthcycle.com)