



**NTH CYCLE**

## Metallurgist

### **WHO WE ARE.**

The demand for critical minerals to power the energy transition is growing exponentially. Yet, we know mining deeper and broader, and building landfills higher and wider, works against our fight to save the planet. At Nth Cycle, we see the path forward. We believe all the critical minerals needed for the energy transition are already in circulation today. We just didn't have a clean, profitable way of retrieving them, until now.

Nth Cycle is a metal processing technology company. Our electro-extraction technology helps recyclers and miners capture more critical minerals—for use in lithium-ion battery manufacturing, among other things—while dramatically reducing costs and emissions. We are the heart of metals processing; we are the crucial step that profitably separates critical minerals from other elements, transforming them into production-grade feedstocks for the energy transition.

### **OUR CULTURE.**

You won't find another team like ours. We believe in open, honest communication, and enjoying our work while changing the world. We work quickly but with intention—we've scaled our technology in size 100x in the past year. We're mission-oriented and think big—we're focused on reducing *gigatons* CO2 emissions from the atmosphere by 2050. And we value the perspectives and opinions of our colleagues while pushing each other to excel.

We're a dynamic team looking for a new team member who's also passionate about addressing climate change and advancing the clean energy industry. Consistent with our commitment to diversity & inclusion, we value colleagues with the ability to work on diverse teams and with a diverse range of people.

If this is you, keep reading....

### **WHAT WE NEED.**

The chemist/metallurgist will work alongside a multidisciplinary team to help build and deliver solutions to customers in the metals refining and mining industries. This person will be responsible for developing technical solutions to support Nth Cycle's production development and will work within the Research & Development Team to deliver solutions in the following areas: leaching procedures for new metal feedstocks, developing test parameters to validate new materials, and characterizing metal products.

### **WHAT YOU WILL DO.**

Responsibilities:

- Develop and execute procedures to leach new feedstocks for specific application metrics.
- Qualify procedures through characterization techniques.



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- Collaborate with the R&D Team and Commercial Team to scale pre-processing methods and improve performance.
- Communicate technical results and challenges across the organization to advance product development.
- Characterize feedstocks and products.

### Experience/Qualifications:

- BS or MS in a metallurgy-related field (Chemistry, Metallurgical Engineering, Chemical Engineer) with a preference for at least three years of experience in a wet chemistry laboratory or industry environment.
- Demonstrated aptitude in aqueous and solid metal analysis such as AA, ICP-MS, ICP-OES, UV-Vis, XRD, XRF, XPS, SEM-EDS, etc.
- Excellent written and verbal communication skills.
- Ability to work in a fast-paced environment.
- Ability to carry up to 50 pounds.

### Preferred Requirements:

- Experience in different hydrometallurgical processes, including leaching and precipitation.
- Basic understanding of geology, mineralogy, metals recycling, and geo-metallurgy as it relates to metallurgical processes.
- Experience conducting design of experiments, performing test work, evaluating results, and writing/presenting technical reports.

### **CLOSING STATEMENT.**

Consistent with our commitment to diversity & inclusion, we value people with the ability to work on diverse teams and with a diverse range of people. We especially encourage members of traditionally underrepresented communities to apply, including women, people of color, LGBTQ people, veterans, and people with disabilities.

Send your resume to [careers@nthcycle.com](mailto:careers@nthcycle.com)

- Or -

Contact: Pat Perillo, Human Resources, Nth Cycle

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