



Head of Engineering Position at BlueShift Carbon, Inc

Job Description:

A Head of Engineering position is available at BlueShift Carbon, Inc. We aim to remove gigatons of CO₂ through the ocean while valorizing industrial waste into critical minerals. BlueShift unlocks rapid scalability by integrating proprietary membrane-free electromechanical technology from Harvard and University of Michigan, additive manufacturing, and existing infrastructure.

The applicant is expected to be entrepreneurial and will work as part of a multi-disciplinary team on many aspects of this work and will report directly to the CEO of the company. Candidates with a strong background in some combination of critical mineral recovery, reactor design, battery design and testing, and process modeling are strongly encouraged to apply.

The main responsibilities of this position include the design and scaleup of: (1) an electrochemical system for marine carbon removal at large scales and (2) a process for recovering critical minerals from a variety of industrial waste feedstocks. As we scale, responsibilities will include leading the engineering team and integrating the system with existing industries and infrastructure.

Requirements:

- M.S., or Ph.D. in Chemical Engineering, or similar field.
- A self-starter who collaborates effectively, communicates clearly, and drives progress
- Ability to produce process flow diagrams with mass and energy flows
- Ability to rapidly learn and implement new methods

Beneficial Assets

- Experience with Aspen+ Engineering Suite or similar modeling software.
- Advocate for first-principles based design, with expertise in electrochemical processes
- Comfortable in SolidWorks, AutoCAD, or similar software

We highly encourage you to apply if you believe you are a good fit, even if you do not meet all of the requirements above.

Location: Cambridge, MA with the option of working remotely part-time

To apply: Interested parties should send a C.V./resume and share why they are a fit for the role in an email to: [\[dabrowski.prof@gmail.com\]](mailto:dabrowski.prof@gmail.com). Make the subject line of the email message: "Head of Engineering – BlueShift".

BlueShift Carbon, Inc is an equal opportunity employer.