



Mineral Processing Engineer Sublime Systems

June 2022

Background & Overview

Sublime Systems' mission is to have a swift and massive impact on reducing global CO₂ emissions by decarbonizing cement, the key ingredient in concrete. Founded in 2020, Sublime Systems has taken on the challenge of transforming the cement production process. Leading investors including The Engine, Prime Impact Fund, Energy Impact Partners, and Lowercarbon Capital have funded Sublime's technology, recognizing that this paradigm shift in production has set us on the path to deliver high performance, net-zero solutions to concrete producers, thereby driving gigaton-scale reductions in CO₂ emissions.

If you are galvanized by seeking solutions to hard problems, inspired to combat climate change, and have a "hard hat" in your DNA, contact us today to learn more about Sublime Systems. We are seeking extraordinary scientists, engineers, market and business development strategists, and operations experts to propel innovation and market transformation.

Position Overview

Sublime Systems seeks a solids handling Subject Matter Expert to lead the development of Sublime's downstream processing. As a member of Sublime Systems' small but growing team, the right individual will be a key technical resource in the scale up of Sublime's technology. This is an exciting opportunity to combat global climate change by transforming how the world makes cement. This is a full time position located in Somerville, MA.

Responsibilities include:

- Design, procure, and install equipment in the Sublime pilot plant to dry, grind, blend, and package cement blends
- Act as engineering Subject Matter Expert in the area of solids processing (grinding/drying/blending) by developing and leading conceptual commercial scale designs for Sublime's raw material handling and downstream processing operations
- Contribute to process design improvements in Sublime's upstream process providing insights from the mineral processing industry
- Collaborate with R&D to define final product requirements including PSD, particle morphology, moisture content, etc. with a focus on what is achievable with commercially available equipment and processes
- Act as Sublime safety lead with respect to dust and powder processing hazards
- Help to develop a supportive, innovative, and dynamic company culture.



Knowledge and Skill Requirements

The role will initially focus on designing and installing cement blending equipment in the Sublime Pilot plant, but will also be heavily involved in conceptual commercial scale design. The ideal candidate will be results-driven, detail-oriented, organized, and able to thrive in a fast-paced environment.

- BS or MS in Mining Engineering, Mineral Processing, Mechanical Engineering or related field with 5+ years of experience.
- Demonstrated engineering experience with:
 - Dry vs. wet grinding
 - Open and closed circuit grinding
 - Size classification
 - Leaching and floatation
- Demonstrated experience with powder/dust handling EH&S considerations including implementation of engineering controls to reduce safety risk.
- Familiarity with the major vendors, engineering firms, and suppliers in the minerals processing industry including grinding, drying, conveyors, etc.
- Strong technical understanding of the technoeconomics of different grinding technologies and trade offs associated with getting to different PSDs.
- Familiarity with simulation software such as Metso Bruno and JKSimMet.
- Strong interpersonal skills including the ability to listen, distill information, consult, and suggest new approaches.
- Strong communication skills, good judgement, and self-direction.
- Ability to pay close attention to detail, focusing on accuracy and quality, without losing sight of the bigger picture.
- Balance, perspective, and a good sense of humor.

Sublime Systems is proud to be an Equal Opportunity Employer

All qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability, protected veteran status, or any other characteristic protected by law.

Your Right to Work

In compliance with federal law, all persons hired will be required to verify identity and eligibility to work in the United States and to complete the required employment eligibility verification document form upon hire.

Apply online at <https://jobs.lever.co/SublimeSystems> or by emailing your resume and cover letter to careers@sublime-systems.com.