



## **Director of Engineering Sublime Systems**

444 Somerville Ave  
Somerville, MA, 02143

May 2021

### **Background & Overview**

Cement is the most massively consumed human-made commodity on the planet, and that is not going to change anytime soon. Demand for green cement to build infrastructure and housing continues to grow with the increase in global population and urbanization.

The challenge is cement production accounts for 8% of total global CO<sub>2</sub> emission. Each kg of cement results in 1 kg of CO<sub>2</sub> emissions. There has been little innovation to mitigate the process emissions that occur in the production of cement. Leading MIT Materials Science and Engineering scientists Dr. Leah Ellis and MIT cleantech Prof. Yet-Ming Chiang have found a better way.

Founded in 2020 and backed by leading investors, including the Engine, Prime Impact Fund, and Lowercarbon Capital, Sublime Systems is revolutionizing cement-making using clean renewable energy and an electrochemical process that eliminates CO<sub>2</sub> emissions and meets ASTM standards.

### **Position Overview**

This is an exciting opportunity to transform how the world makes cement. Sublime Systems seeks a thoughtful and pragmatic Director of Engineering to accelerate the development and construction of the company's pilot plant. As one of Sublime's first employees, the Director of Engineering will make a huge impact on the development of our technology and be a defining team member.

The right person will have evidence of leading manufacturing development and be ready to get hands-on with our ground-breaking material and equipment. This person will translate Sublime's technology into industrial-scale processes, and we seek a dynamic engineering leader to ensure our processes are cost-effective and sustainable.

Responsibilities include:



- Recruiting and managing a team to establish productive cross-functional work processes and collaborative culture
- Design of pilot and production-scale equipment based on initial R&D
- Scale up Sublime's cement production process
- Own the design and construction of the pilot process in Sublime's facility
- Developing a process model and performing technoeconomic analysis to guide pilot plant design and construction, evaluate alternative technical approaches, and identify profitable use cases

### **Knowledge and Skill Requirements**

The ideal candidate is results-driven, ambitious, organized, and able to thrive in a fast-paced environment.

Requirements include:

- At least a bachelor's degree in chemical engineering, or related field, and at least ten years' relevant experience working in an environment geared towards pilot system deployment and developing new chemical processes
- Experience growing and managing a team with diverse skills including chemical, mechanical, and electrical engineering to complete unit operation design and integration
- Experience with process monitoring, control, and automation
- Balance, perspective, and a good sense of humor

**Apply by emailing your CV and cover letter to [careers@sublime-systems.com](mailto:careers@sublime-systems.com) .  
Referral of successful candidates will be rewarded!**