



Nitricity Inc.

Nitricity Role – Head of Engineering

Company Overview:

Nitricity is decarbonizing one of the largest chemical industries in the world and looking for your help.

The bedrock of modern agriculture is the production, distribution, and application of the essential nutrients found in fertilizers. However, nitrogen fertilizer is currently made in coal- and gas-fired facilities located hundreds to thousands of miles away from farmers who need it. The \$120B industry is responsible for as much as 6% of global CO₂e emissions. Nitricity distributes and electrifies the production of climate-smart fertilizers. We are commercializing a breakthrough technology that produces fertilizer using only air, water, and renewable energy. By avoiding the need to ship far, we focus on fertilizers that are best for fields and farmers, rather than fertilizers best for factories and freight. Please find a recent video developed on our work [here](#). Nitricity's vision has won awards through Stanford, Berkeley, MIT, Caltech, ASU, Forbes, and more. The business has received investment from a world-class investment syndicate, including Energy Impact Partners, Lowercarbon Capital, Fine Structure Ventures, MyClimateJourney and many more.

We are building a world-class team to help us turn this vision into a reality.

Position Description:

The Head of Engineering will lead Nitricity's core engineering team to develop Nitricity's breakthrough renewable fertilizer production prototype systems into megawatt-scale chemical production facilities. This will entail coordinating a team of experts in chemical, mechanical, and electrical engineering to build a system that will revolutionize fertilizer. The Head of Engineering will report to Nitricity leadership and apply their engineering expertise to solve engineering roadblocks and accelerate development toward the commercial product.

Responsibilities of engineers with a range of expertise to develop plasma-chemical fertilizer systems.

- Work with Nitricity-affiliated contractors and engineering firms to accelerate product and subsystem development.
- Present high-level goals, achievements, and system development timeline/direction in company meetings.
- Ensure a timely development of the scale-up of the system.
- Provide technical specifications and cost estimates to the business development team.

Required and Preferred Qualifications:

- Experience developing large chemical processes, ideally using a plasma-based technologies.
- Experience leading and managing a team of engineers.
- Familiarity with computer aided design and process simulation tools.
- Work well in focused teams with multiple disciplines.
- Versatility to thrive in a start-up environment.
- Teamwork, communication and organizational skills.
- Enthusiasm for high-impact, hard tech solutions.



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Location:

Nitricity's headquarters at 3450 3rd St., San Francisco, 94124 with quick access to downtown, the airport, Caltrain, and Interstate 280. Strict COVID-19 policies must be followed at all times. A remote position may be possible for the right candidates.

Please submit a brief cover letter and resume to careers@nitricity.co

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