Terraform Industries, Inc.

Photovoltaic Systems Lead Engineer

terraformindustries.com
Los Angeles, California

Solar modules are around $0.10/W but that's just the beginning?
Balance of system costs? How much power does the "balance of system" make?
If we're going to pave the world with solar panels, we'd better get on with it!

At Terraform Industries, we've made cheap synthetic natural gas from sunlight and air. We've shown it's possible to build solar-matched modular synthetic chemical plants (our Terraformer) for <$200/kW, and now it is time to give them a suitably cheap solar array.

More generally, we are determined to conquer the primary energy consumption layer of our entire civilization. We've developed the tech needed to pipe pure solar photovoltaic direct current electricity into intermittent primary materials production at the lowest possible cost, limited only by the laws of physics. Our total addressable market is about 500 TW, and we think you will enjoy helping us complete our mission.

Mission

Your mission is to pioneer the construction of the lowest cost solar arrays ever built, with momentum to match the cost reductions of the modules. Everything between the ground and the Terraformer power socket is yours, to cut power cost to the limit of physics.

You will be the Photovoltaic Systems Lead Engineer reporting directly to the CEO.

Responsibilities

- Own brass tacks-level bottom up cost estimates for the solar array
- Develop installation conops, run process tests, drill into every aspect of cost growth
- Put solar array installation costs on a footing consistent with agriculture methods
- Spec balance of system components where necessary
- Design jigs and tooling to reduce labor demands
- Interface with vendors and external partners to successfully deliver a completed system
- Ensure safe and error free construction environment
- Take responsibility for driving down costs by developing innovative solutions for the solar array installation, recognizing that this project may not follow typical "best practices"

Qualifications

- Bachelor's Degree in electrical engineering, or other engineering discipline
- 3+ years of experience in solar industry
- NFPA 70 (NEC), NFPA 70E, and NFPA 79 and/or UL508A
- Demonstrated history of effectively managing design projects from conception to implementation, including working with cross-functional teams and managing vendor relationships
- Demonstrated ability to intuitively or analytically arrive at self-evidently correct designs

Preferred Qualifications

- Licensed Professional Engineer
- Familiarity with NFPA 2
- Familiarity with industrial automation
- Experience with hands on fabrication and prototyping
- Ability to work in fast-paced, demanding iterative design and manufacturing environments
- Solar array installation hands on experience, ideally in desert terrain

Logistics

Location - Terraform Industries is based in the castle building in Burbank, near Los Angeles, California. Work is 100% on site.

Remuneration/benefits - Terraform Industries is proud to offer a competitive benefits package including: equity, performance bonuses, 401k, health, dental, and vision insurance, and a flexible leave policy.

Pay range: $120,000.00 - $190,000.00 per year, to be determined on a case-by-case basis based on job-related knowledge and skills, education, and experience.

Travel - Some travel (5-20%) may be required to oversee installation off-site.

Terraform Industries is an Equal Opportunity Employer; employment with Terraform Industries is governed on the basis of merit, competence and qualifications and will not be influenced in any manner by race, color, religion, gender, national origin/ethnicity, veteran status, disability status, age, sexual orientation, gender identity, marital status, mental or physical disability or any other legally protected status.

Apply

Email recruiting@terraformindustries.com with a compelling one pager with your best evidence of execution ability. We are fans of your work, so include YouTube links, photos of hardware, etc. In addition to your one pager, you should include a one page resume of no more than 300 words.