



Hiring for Hardware/Prototype/Design Engineer

Apply with resume and cover letter at careers@solclarityeds.com

About us:

Sol Clarity's mission is to improve environmentally conscious and sustainable electricity generation by improving the cleaning method for solar collectors, which are challenged with reduced efficiency in dusty climates. Our technology, the Electrodynamic Screen (EDS) offers water-free, on-demand, automated cleaning involving no manual labor or moving parts, with just the flip of a switch using electric fields. Sol Clarity is a spin-off from Boston University, where the EDS technology was originally funded to mitigate soiling on Mars rovers! We are a young company looking to add highly motivated members to our growing team as we close our Seed round.

General Job Description:

This role is responsible for working with Sol Clarity's tech leadership on the design and production of our product for commercialization. Your mission, should you choose to accept it, in this position is to produce prototypes, improve the electronic and mechanical design for manufacturability, and develop product improvements with the support of the rest of the technical team. You will work closely with the Chief Technology Officer and CEO. Strong engineering background and previous experience building commercial hardware products from the ground up is preferred. Willingness and comfort to work in a seed-stage startup environment is a must. This is a full-time hybrid (remote, in-person) job.

Duties and Responsibilities:

- Build prototype units, in-house and through coordination with contract manufacturers, including metal cutting, lamination, soldering, drilling, assembling, etc as needed
- Working with contract manufacturers & vendors to assemble EDS devices, which includes preparing layers, electrical connections, etc
- Designing to improve electrical-mechanical robustness of the technology
- Creating testing and certification protocol for samples, and implementing testing processes
- Supervising interns and future hires - we are looking for a possible future technical director
- Participate in the development of strategy, reports, and responsibilities for R&D and engineering teams
- Lead or Support development and execution of product commercialization plan
- Perform administrative and management roles necessary for R&D
- Participate in formation of the company business plan detailing specific goals and strategies.
- May be required to perform other related duties as assigned

Preferred Qualifications/Experience:

- BS or MS in Mechanical, Manufacturing or Electrical Engineering, or similar
- 5-10 years experience in a prototyping, product development, or production development environment
- Experience working in a start-up or other highly adaptable environments with small teams
- The ideal candidate will have experience in industrial manufacturing, especially lamination, adhesives, web processing
- Self-starter, ability to work with minimal directions and oversight
- Highly organized, with technical records and documentation practice
- Has working knowledge of some or all of the following:
 - Outdoor durability testing
 - Working to move a technology towards commercialization
 - Solar panels or concentrated solar power
- Some work with solvents, basic chemical hygiene is a plus
- Strong technical skills in design of experiments, data gathering, statistical and engineering analysis and evaluation



- Written and verbal interpersonal communication skills
- Comfortable working in areas outside specialty

PHYSICAL DEMANDS

The physical demands & work environment factors described below are representative of those that must be met by an employee to successfully perform the functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform these functions. Employees may be regularly required to use hands to handle or feel, reach with hands and arms, and talk or hear. Employees may be frequently required to sit or stand for periods of time. He/she may be required to push, pull, or lift objects up to 50 lbs. Specific vision abilities required for this job include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust and focus.

Job Benefits:

- Sol Clarity employees are vested in a high-potential success story, with competitive compensation, benefits, and comprehensive PTO and leave policies, complemented by stock options in a high-growth start-up company with funding
- Work in an exciting, innovative, climate positive industry at the nexus of solar and water
- Socially responsible impact - we are all doing this to have a positive impact on the planet
- Sol Clarity has a culture of promoting a productive work-life balance

Sol Clarity Inc. is an equal opportunity employer. We are committed to a work environment that supports, inspires, and respects all individuals and in which personnel processes are merit-based and applied without discrimination on the basis of race, color, religion, sex, sexual orientation, gender identity, marital status, age, disability, national or ethnic origin, military service status, citizenship, or other protected characteristic.