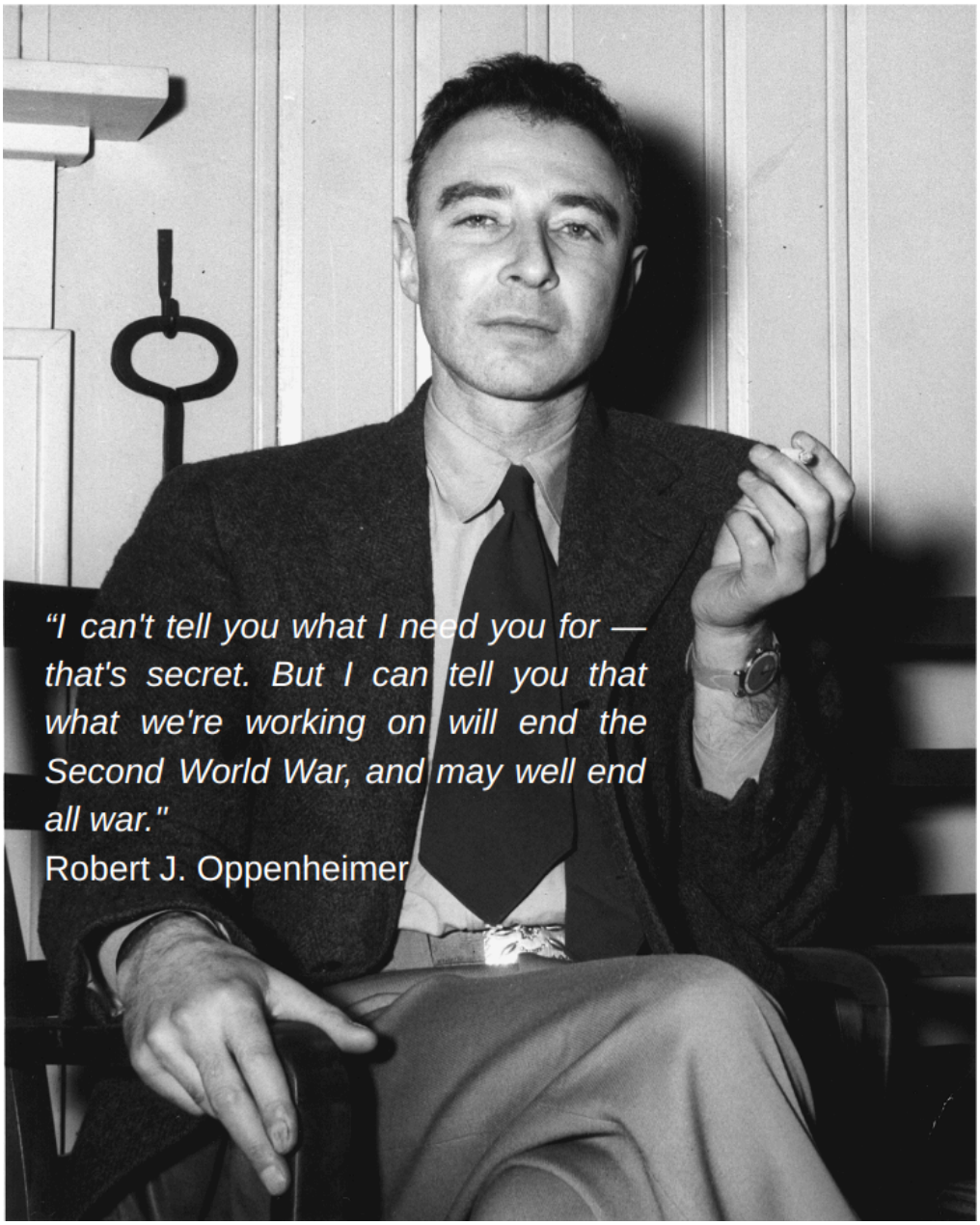
Terraform Industries, Inc.

Secret Projects Lead Engineer

terraformindustries.com
Los Angeles, California



Can you calculate particle interaction cross sections with a grease pencil on a burrito wrapper in the back of a suspensionless ex-Soviet Jeep speeding down a bumpy road?
Do you regard a stoichiometric hydrolox flame as unnecessarily cold?
Have a strong intuitive sense for what 100,000 volts feels like?

At Terraform Industries, we've made cheap synthetic natural gas from sunlight and air. Now it is time to conquer the primary energy consumption layer of our entire civilization. This includes the subject of this job posting, which you'll understand we're being slightly subtle about.

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 lead the development of the Terraform [redacted]. Your job is to design and demonstrate the [redacted].

The Secret Projects Lead Engineer reports directly to the CEO.

Responsibilities

- Take full ownership of the design, development, and deployment of the secret projects program
- Build and launch a pilot production process in 2025, with substantial first principles analysis as well as practical prototyping
- Design any electrical, mechanical, vacuum, fluid, and thermal systems associated with the process
- Mechanical design with a bias for manufacturability and scalability
- Own the process delivery timeline and success from inception to integration
- Lead and participate in internal technical design reviews and push for rapid iteration
- Source, evaluate, and integrate key components for rapid prototyping and production
- Participate in recruitment efforts for your team, and actively contribute to team career development

Qualifications

- It is highly likely that the successful candidate will have extensive experience in experimental particle physics, in addition to well developed theoretical knowledge
- Bachelor's degree in physics, mechanical engineering or aerospace engineering or equivalent

- 5+ years of professional experience in relevant fields
- 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

- PhD or postdoctoral experience in large scale physics collaborations
- Track record of successfully completing self-directed projects
- Deep familiarity with fabrication methods including machining and welding stainless steel
- Experience with high vacuum systems
- Experience with high frequency electrical control systems both digital and analog
- Ability to work in fast-paced, demanding iterative design and manufacturing environments

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 - $220,000.00 per year, to be determined on a case-by-case basis based on job-related knowledge and skills, education, and experience.

Travel - Some travel (5-10%) may be required.

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

This is an unusual posting seeking an unusual candidate. You know who you are. Your application should evince a deep understanding of what the mission actually is and how you will go about executing it. Email recruiting@terraformindustries.com with a proposal of no more than four pages. You should also include a one page resume of no more than 300 words.