

## Project Engineer Job Description

**Application Period:** Application review will begin March 1, 2016 and applications will be accepted until the position is filled.

**Based at:** Berkeley, CA

### **About New Sun Road:**

New Sun Road is a benefit corporation dedicated to designing and deploying solar electricity systems in emerging economies. We believe that it is unacceptable that more than 1 billion people in the world do not have electricity access, and that climate change poses a critical threat to the world. Our mission is to deploy reliable, and affordable solar power systems that can give anyone in the world the electricity they need to start new businesses, access information, improve education and health services, and live a more comfortable life with a low ecological footprint.

Our core team comes from the departments of Energy and Resources, Electrical Engineering, and Environmental Science at UC Berkeley, where we spun off from a research group in 2013. We are currently operating a solar microgrid on the Ssesse Islands in Lake Victoria, Uganda and are in the exciting process of growing and taking our power system products and distribution model to scale.

### **Job Brief:**

We are searching for a creative, motivated, and self-disciplined project engineer who is passionate about renewable energy and combating global poverty.

As part of a small, dynamic, and growing team, you will be expected to fill multiple roles and take on broad responsibilities. You will have the opportunity to work on unique renewable energy projects with meaningful social impact all over the world. You will learn in detail the designs of New Sun Road solar energy products and installation practices during a 3 month training and trial period, after which you will begin to assume responsibility for the technical execution and design iteration of projects in emerging economies, especially East Africa. You will travel internationally for site assessments, installation projects, and maintenance – typically in remote and rugged environments – and you will work with multicultural teams to execute projects.

The expectation is that initially your responsibilities will be very broad, and as the team grows you will assume either a leadership or technical specialist role depending on your interests and skills.

### **Requirements:**

Candidates must:

- Have strong technical skills for deploying solar power systems (e.g. engineering degree, solar installer certification, or electrician's license)
- Be a creative and adaptive problem solver
- Be willing to travel and work in challenging environments

- Be independent, self-motivated, and work well with relatively little supervision

We are looking for dynamic individuals. As such, we do not have a rigid model of an ideal candidate and have an open mind to people from a variety of backgrounds. A good candidate will have some or all of the following characteristics:

- Experience in the solar industry
- Experience in international development
- Experience in construction project management and logistics
- Skills in CAD and rendering

### **Example Responsibilities:**

- Maintain a complete technical understanding of New Sun Road electricity products – you will know them inside and out
- Technical quality assurance of product delivery and installations (including on-ground supervision of construction projects internationally)
- Design iterations and new product development with the rest of the design team
- Develop and maintain efficient and transparent budgeting and materials procurement systems (database of components, design automation, etc.)
- Handle materials procurement and supplier relationships
- Document product designs, as-built drawings, and operating procedures
- Logistics planning for product delivery and installations in coordination with partners
- Customer support and product maintenance management

**Time Commitment:** Commitment may be part time (20-30 hours per week) or full time during the 3 month training period. After this period, the position is full time with an expected minimum commitment of 1 year. Commitments of 2 years or more are highly desired.

**Compensation:** Compensation during the 3 month training period will be comparable to a paid internship. Full time compensation will be commensurate with experience and may include a portion of equity.

**To Apply:** Please send a resume and cover letter, and any questions to [info@newsunroad.com](mailto:info@newsunroad.com). Application review will begin on March 1, and applications will be accepted until the position is filled.