

OUR ORGANIZATION

SunModo develops, manufactures and sells innovative solar PV racking and mounting solutions (structural BOS) to residential installers, commercial integrators, and other solar providers in North America. From its inception, customers quickly recognized SunModo as a trusted provider of high quality products and services that make installations faster and more cost-effective. Our mission is to drive down the total cost of solar installation through product innovation and system integration.

JOB SUMMARY

We are looking for a Licensed Structural Engineer to assist with stamped structural calculations, new product innovation, permitting, technical support and project management for solar PV projects.

RESPONSIBILITY

- Provides structural analysis to support the appropriate layout and selection of racking systems.
- Act as company official Engineer of Record (EOR). Stamp structural calculations for racking systems for permitting.
- Analyze existing steel, wood and concrete structures to determine structural integrity and ability to support PV systems
- Works with product engineers and sales team to support proposals.
- Calculation of all kinds of loads acting on a given structure (wind load, seismic load, snow load, and combinations these loads per code, etc.).
- Evaluation and root cause analyses of Solar PV system structural failures.
- Works with Product Engineers on conceptual design, optimization, and development of new products.
- Support the code compliance technical documents and QA/QC.
- Conducts research to determine best, robust, and cost-effective solution for the market.

QUALIFICATIONS

- Current structural engineer license in CA or WA or OR or Other State
- BS or MS degree in civil engineering or architectural engineering, or other related discipline.
- A high proficiency and working knowledge of IBC, ASCE-7, structural analysis software and AutoCAD.
- Extreme proficiency in RISA or equivalent software, MS software, including Outlook, Word, Excel and PowerPoint.
- Must be open minded, creative and possess the ability to modify and expand theories to find creative solutions within the confines of the codes and design standards
- Must possess the ability to back code interpretations and mathematically prove design concepts
- Experience in the structural engineering design and calculations for a variety of solar energy projects.
- Experience in various types of steel, aluminum, wood, helical anchors, and concrete foundation.
- Knowledge of building and roof structure.
- Geotechnical knowledge and experience in interpreting geotechnical reports, concrete or pile foundation design.
- Excellent analytical, detailing communication skills with demonstrated ability to write and speak persuasively.
- An ability to communicate technical issues to a non-technical audience.
- Highly organized and unbelievable follow-up and follow-through.
- Ability to perform under pressure, work with a wide variety of constituents and meet deadlines.
- Approach to work that is positive, solution-oriented, optimistic and enthusiastic.
- Passion about solar energy and experience in solar PV system design is a plus

We offer a competitive salary with the comprehensive benefits package including health insurance, paid time off, and 401K. If interested, please email us your resume and cover letter including 4 references to employment@sunmodo.com. SunModo is not accepting submissions from recruiters

We are an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, gender, gender identity or expression, religion, national origin, marital status, disability, veteran status, genetic information, or any other protected class.