Job Posting

Position: Senior Design Engineer, Full Time
Location: Oklahoma City Metro Area

Company Background
VesprSolar is a fast-growing startup that makes innovative attachments and structural solutions for the growing solar market. Its flagship product, the VesprSolar V-Clamp, is a spring-based fastener that makes solar panel installation 3x faster and more resilient against vibrational loads (#1 failure of PV arrays in severe weather). The V-Clamp was recognized by the US Department of Energy and other industry groups as a top innovation in the solar industry. The V-Clamp and other VesprSolar technologies are now being adopted by multiple market leaders across the utility-scale, commercial, and residential solar sectors.

Position Summary
VesprSolar is hiring a Senior Design Engineer (SDE) with a track record of success in developing novel mechanical and structural solutions. The position will report directly to VesprSolar's CTO, Dr. Andres Cavieres. The ideal candidate will be driven and organized, able to quickly conceptualize, prototype, iterate and improve on hardware solutions, and will display a natural ability to build rapport and trust with partners and customers alike. We're looking for that perfect blend of drive, collaborative skills, creativity, and ability to execute.

Key Responsibilities

- **Lead customer integration efforts.** Customers are actively looking for opportunities to improve the speed and reliability of solar module attachment into their current racking systems. This involves the integration of existing racking designs with some of the VesprSolar fastening solutions. The SDE will be responsible to identify such opportunities for integration, working directly with customers to develop a system-specific solution that meets their integration requirements. This includes close collaboration with customers for capturing design requirements, conceptualizing alternative solutions, developing analytical models and testing plans, prototyping as well technical specifications for the selected solution. For that purpose, the SDE will work directly with global customers to overcome design challenges, potentially having to travel to test labs and job sites across the Unites States and abroad, to oversee pilots and project execution.

- **Support new product development.** VesprSolar is constantly developing new solutions for high volume, high impact mounting and racking products focusing but not limited to solar applications. Many of these solutions build upon VesprSolar's existing V-Clamp technology. The SDE will support various product development activities, including requirements engineering, conceptualization, engineering analysis, prototyping, testing and optimization.

- **Lead testing and certifications with third -party-labs.** Products and solutions developed by VesprSolar must be tested and certified by third-party labs. The relevant tests and certifications will vary based on specific product, application, and location where it will be deployed. The SDE will be responsible for identifying the tests and certifications needed and working with third-party labs to execute the tests. This may include traveling to third-party labs to assist in testing efforts.

- **Team management.** Demand for VesprSolar technology is growing rapidly. To meet this demand, we plan to expand our product development team significantly within the next 6-12 months by hiring additional engineers. It is expected that the SDE will be involved in the hiring process, and will be asked to interview, select, coach, and potentially manage new employees.

- **Participate in marketing efforts.** Tradeshows are a critical part of VesprSolar's marketing efforts. The SDE will be called upon to attend industry tradeshows to assist our sales team , identify opportunities for product integration as well as opportunities for new product development that give us competitive advantages. Tradeshows are usually in the United States, Europe, Latin America, and Asia.

Desired Qualifications

- A degree in mechanical engineering, structural engineering, or related field. Bachelor's degree required, graduate degree preferred.
- 3+ years of experience in agile product development, including physical prototyping and testing.
- Solar industry related experience is a preferred but is not required.
- Proficiency in parametric modeling and finite element analysis (FEA) with SolidWorks or Inventor Pro. SolidWorks preferred.
- Familiarity with Requirements Engineering and Failure Mode and Effects Analysis (FMEA).

Job Profile

We are an innovation-driven company that is searching for:

- A hands-on, creative problem-solver who is not afraid of learning new things and to tackle new challenges.
- A top-performer with strong collaboration skills, able to wear multiple hats and to inspire everyone to do great work.
- Skilled at forming relationships, overcoming objections, and finding creative, cost-effective solutions to customer problems.

Actual compensation will be determined by multiple factors including candidate experience and track-record. Compensation package will include base pay, potential to earn a performance bonus, employee medical, and the possibility to earn stock awards.

To apply, please email your resume to: robert@vesprsolar.com