

1. SUMMARY

The Senior Mechanical Engineer works with Engineering, Operations, and Business Development teams to design high-quality and efficient solar PV racking solutions. This position plays an integral role in helping Schletter Inc. acquire new business and execute in-house projects. The Senior Mechanical Engineer is directly responsible for solar energy racking system design and layout; engineering support during construction, system commissioning and troubleshooting, evaluating future technologies, and developing internal intellectual property products and offerings. Additionally, this position supervises the members of the Engineering and Drafting departments in his/her assigned region.

2. PRIMARY RESPONSIBILITIES

- Curate, prototype, and coordinate the commercialization of new solar PV racking system solutions with an emphasis on tracker systems
- Create engineering drawings and specifications for new components, products and mechanical designs working with internal and external customers through the development and approval process
- Optimize the technical and/or mechanical performance of all new and existing solar PV tracking solutions
- Guide drafters, review and approve design drawings created by members of the Engineering and Drafting departments as well as by third parties
- Coordinate with and consult with other team members to design or detail components
- Ensure optimal applications of technology and engineering resources to meet product and customer requirements
- Ensure projects are completed in a timely manner and according to the provided schedule;
- Work directly with Operations, Marketing, Purchasing, Production, Sales, executive management, and others to develop winning solutions
- Investigate and procure all data required to develop a design; Troubleshoot failures and issues on all projects and support reporting requirements of the Senior VP of Engineering and Chief Operations Officer; Develop practical solutions for project failures and issues
- Interact with external consulting engineers and customers
- Work proactively to promote teamwork at all levels of the company
- Make recommendations for manpower needs and be actively involved in the recruiting and selection process
- Conform with and abide by all regulations, policies, work procedures, safety rules, security procedures and instructions
- Other tasks and special projects as assigned.

3. KNOWLEDGE AND SKILL REQUIREMENTS

- Bachelor's Degree in Mechanical engineering AND 5+ years of experience in product development
- P.E. license in North Carolina and/or other states with ability to obtain other state licenses as required
- Experience with mechanical designs involving steel, stainless steel, and aluminum required
- Knowledge of AutoCAD Inventor required; Strong understanding of CAD standards
- Basic understanding of electrical systems as related to solar tracking solutions
- Basic knowledge of solar PV systems
- Efficient using Microsoft Office (Word, Excel, Outlook, PowerPoint, etc.) and the internet

- Strong and effective organizational, analytical, time and project management skills
- Ability to prioritize and to meet tight deadlines in an environment of competing priorities with a degree of autonomy and integrity
- Self-motivated and ability to work without constant supervision
- Sound decision making capabilities; Demonstrated creative problem solving skills within team and independent environments; Ability to solve practical problems and deal with a variety of concrete variables in situations where only limited standardization exists
- Strong team player who can incorporate input from others and can generate consensus through inclusion
- Must be able to thrive in a fast-paced and dynamic work environment with an emphasis on accuracy and timeliness
- Intellectual curiosity and desire to learn from others
- Positive attitude, detail oriented, exemplary attendance, punctual, highly organized, flexible, quick learner, self-starter and reliable team member
- Ability to develop strong relationships
- Ability to manage diverse, simultaneous projects of varying complexities
- Solid and current understanding of engineering technical issues/needs, drafting and sales as related to product design
- Public speaking and presentation skills
- Excellent interpersonal, communication (both verbal and written) and negotiation skills for a wide variety of audiences
- Ability to succeed in an entrepreneurial environment.
- Willingness to work a flexible schedule and 40+ hours a week as necessary to meet deadlines