

Mechanical Engineer

About Us

Alion Energy is a new kind of renewable energy company with technology and products that will allow us to make a significant and cost effective contribution to solving the world's energy issues. Our innovative engineering and technology teams coupled with our cost-effective approach to designing and building utility scale power plants, allow us to provide clean, inexpensive, renewable energy solutions that set us apart from the rest of the field. We are passionate about using renewable energy to make a real difference in our world.

Job Description

The Mechanical Engineer will take part in developing a single axis, utility-scale PV solar tracker. The Mechanical Engineer will work as part of a team performing design, iterative development, analysis, testing, and manufacturing of solar tracker mechanical components.

The role will report to the Director of R&D. The ideal candidate is capable of autonomous work, enjoys being part of a team, and is practical, organized, & thorough.

Job Duties:

- Iterative design of mechanical components for a single axis, utility scale PV tracker
- Perform FEA analyses on components
- DFM components and create drawings for volume manufacture at cost targets
- Create and execute component test plans
- Participate in system test builds
- Create design documentation for 3rd party due-diligence review
- Prepare materials for weekly team meetings

Skills/Education/Experience:

- 5 years of experience in engineering design; 10+ years experience highly preferred
- Proficiency in Solidworks required; AutoCAD a plus
- Solar experience highly preferred (especially utility scale & trackers)
- Design leadership, mechatronics, & construction experience are preferred
- Excellent communication skills (written, visual, verbal)
- Proficiency in MS Office required (Word, Excel, Powerpoint); proficiency in MS Project a plus



Work Environmental & Physical Demands:

The characteristics described below are representative of those encountered while performing the essential functions of this position. Reasonable accommodations will be made to enable individuals with disabilities to perform the essential functions.

- While performing duties of this job, would occasionally be required to stand, walk, sit, reach with hands and arms, climb or balance, stoop or kneel, talk and hear, and use fingers and hands to feel objects, tools or controls.
- Must occasionally lift and/or move up to 25 pounds.
- Specific vision abilities required include close vision, distance vision, depth perceptions, and the ability to adjust focus.
- Overtime may be necessary as workload's dictate. This may include weekdays, weekends and/or holidays.
- Job will generally be performed in an office environment, but may require travel to visit a project site or client's office, Conditions will vary at each location, but the conditions listed above will generally apply.

We provide a comprehensive benefits package including: PTO, Paid Holidays, Medical, Dental, Vision, 401(k) and Competitive Salary. At Alion, we operate in a casual teamwork environment. If your experience and skills meet or exceed our requirements, please e-mail your resume in PDF or Word format to: engineeringjobs@alionenergy.com. Please include job code in the subject line: ME126

Equal Opportunity Employer