



Quality Assurance/Quality Control Electrical/ Mechanical Engineer

Solas Energy (www.solasenergy.com) provides commercial advisory consulting services to the renewable energy industry. We specialize in project development and project management consulting services, climate change policy analysis, and asset acquisition/divestiture services for utility-scale wind and solar power projects. With experience in renewable energy and climate change dating to the late 1990s, Solas Energy provides consulting on a variety of projects in the U.S. and Canada to utilities, developers, contractors, and equipment manufacturers.

Position Overview and Job Description

Purpose of Position

Solas Energy Consulting US Inc. headquartered in Fort Collins, is seeking a proficient, thorough, and adaptable Quality Assurance/Quality Control Mechanical/Electrical Engineer to work on a consistent full-time basis. Prospective applicants should have a passion for the field of renewable energy. This position will primarily provide field support for construction projects and will expose the employee to utility scale wind, solar and other renewable energy technologies; heavy construction, and other areas within the renewable energy market segment. The Quality Assurance/Quality Control Mechanical/Electrical Engineer will assist in the construction management of renewable energy projects (primarily utility scale wind, PV, and battery energy storage) on behalf of Solas Energy's clients for projects under development, construction, or in operations.

Main Job Tasks and Responsibilities

- Support the electrical design, engineering, and construction of renewable energy projects. Provide electrical and mechanical technical support to the project teams.
- Monitor contract performance against project milestones, budget, and other established metrics.
- Perform technical contract reviews for construction and procurement contracts.
- Assist project teams with the review of all key electrical project documents and updates owner obligation in the project obligation log. Manage the organizational responses to electrical RFIs and submittals based on the design requirements and contract documents. Manage the compliance review of all EPC (Engineering, Procurement and Construction) electrical project job books for all scopes of work.
- Arrange for and organize regularly scheduled project meetings to facilitate, confirm and communicate status of progress and assign tasks. Coordinate, prepare, and provide regular updates of the electrical project execution plan and schedule including engineering, procurement, and construction activities.
- Assist Project Manager by providing technical comments on other agreements as needed. Develop preliminary design, specifications, and estimates.
- Read, analyze, and interpret blueprints, professional journals, technical procedures, contracts, or governmental regulations. Determine best layout of collection system; including consideration of constraints such as overhead/underground, follow roads/cross country, and junction box locations.
- Support the creation and review of solar array layouts and production reports.

- Review manufacturer's data to ensure scope compliance, including wiring requirements and electrical characteristics (i.e., grounding requirements, power factor ranges, lightning protection requirements, generator outputs, etc.).
- Support field staff in completing medium and high voltage field inspections and coordinating commissioning activities to ensure the project is being constructed per the project documents.
- Support project developers by assisting with site specific design parameters in interconnection agreements and power-off take arrangements, financing agreements, equity acquisition agreements and requests for proposals related to the projects/sites.
- Care for and sustain business relationships with multiple clients.

Education and/or Experience

- Bachelor's degree in electrical or mechanical engineering
- Electrical construction internship experience with an emphasis on electrical construction of renewable energy projects
- Technical working knowledge of wind turbines, solar panels, battery energy storage systems, electrical construction practices, scheduling and budgeting, reporting, safety best practices, bidding and estimating

Essential Job Functions

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform essential functions.

- Ability to travel in the US and Canada
- Ability to work legally in the United States
- Valid driver's license and ability to drive
- Ability to climb stairs and ladders, maintain balance on rough surfaces, stoop and kneel
- Ability to speak, write, read, and understand English
- Ability to wear personal protective equipment including hard hats, boots, gloves, vests, and eye protection
- Drug and alcohol screening may be required on a random basis and/or after being involved in any safety incidents
- See and hear well with or without correction to avoid safety hazards to themselves and others.
- Use a computer, type, and do paperwork associated with job functions

Key Competencies

- Passion for renewable energy
- Effective communication, organizational, and interpersonal skills; problem solving techniques; ability to take direction.
- General understanding and ability to use project scheduling software and methodology; Microsoft office suite; strong Excel/Spreadsheet analysis; Zoom; Adobe; AutoCAD.
- Working knowledge of GIS software and solutions.
- Familiarity with construction processes, project contracts, engineering practices, construction techniques, wind, storage, and solar plant technologies.
- Strong attention to detail; focus on accuracy, consistency, and quality of work; high degree of integrity & reliability

- Ability to travel to construction sites around the US and Canada and be on-site for the entirety of civil works as required by the scope.
- Ability to prioritize and manage multiple tasks and flexibility in terms of assignments
- Customer service oriented
- Functions well within a team environment
- Organization and planning skills
- Problem-solving ability
- Highly motivated
- Reliable

Compensation and Benefits

- This is a Full time, Salaried, Exempt position. This position is a traveling position and location will be dependent on the project. Salary will depend on experience level. Per diem is paid at or around the standard GSA rate for traveling positions. Per diem ranges are tax free depending on the length and location of deployment.
- Compensation range 65k-85k plus bonus, depending on experience.
- Benefits include medical, vision, dental, retirement, short-term disability, long-term disability, life insurance, AD&D, statutory worker's compensation, unemployment insurance, general liability, errors & omissions, activity reimbursement, paid vacation, and paid sick leave.

Commitment to Diversity

Solas Energy is committed to creating and maintaining a workplace in which all employees have an opportunity to participate and contribute to the success of the business and are valued for their skills, experience, and unique perspectives. This commitment is embodied in company policy and the way we do business at Solas Energy, and it is an important principle of sound business management.

Solas Energy believes that diversity and inclusion are essential to the ongoing success of the company through improved employee engagement and business performance. A diverse and inclusive workforce reflects the communities where we work and operate, and provides diverse thought, capabilities, and collaboration. We value our high-performing team and celebrate the diverse thoughts and experiences of each employee.

Equal Employment Opportunity Statement

Solas Energy is an equal-opportunity employer. Discrimination in the hiring or employment of individuals based on race, color, religion, sex (including pregnancy, sexual orientation, hairstyle, gender identity or gender expression), national origin, disability, veteran's status, age, or genetic information (including family medical history) is illegal and will not be tolerated. Solas Energy will provide reasonable accommodation for applicants and employees who need it for medical or religious reasons, as required by law.

Disclaimer

This job description is not intended to be an exhaustive list of all skills and working conditions. It is intended to be an accurate reflection of those principal job elements essential for making fair pay decisions about the job. In no event shall the job description be construed to represent a contract of employment. Solas Energy maintains "at-will" employment, where either party is free to dissolve the relationship at any time.