



## Electrical Project Engineer

Solas Energy ([www.solasenergy.com](http://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 US and Canada to utilities, developers, contractors, and equipment manufacturers.

### Position Overview and Job Description

#### Purpose of Position

The Electrical Project Engineer will assist in the project design and construction management of renewable energy projects (primarily utility-scale wind, solar (PV), and battery energy storage) on behalf of Solas Energy's clients for projects under development, construction, or in operations. This team member will also assist with business development, business planning, and other company-focused efforts. This is a full-time, salaried, exempt position. This position is remote, with sporadic travel to various jobsites as required.

#### Main Job Tasks and Responsibilities

- Support the electrical design, engineering, and construction of renewable energy projects.
- Provide electrical 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 to owner obligations in project obligation logs. Manage organizational responses to electrical RFIs and submittals based on design requirements and contract documents.
- Manage the compliance review of all EPC 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.
- Establish the project engineering, procurement, and construction budget and conduct regular review and reporting to Accounting on forecasted expenditures.
- Read, analyze, and interpret blueprints, professional journals, technical procedures, contracts, or governmental regulations.
- Determine best layout of collection systems, 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 as well as battery stand-alone or co-located battery storage systems, either as a retrofit to existing facilities or as part of new projects.
- Support the creation and review of high voltage systems (substations, interconnection switchyards, T-Lines, and similar) associated with renewable power facilities.

- Support the creation and review of SCADA systems associated with renewable power facilities, including basic topology and functionality.
- 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.).
- Coordinate the external bidding process required to procure goods and services necessary for all phases of project execution, including preparation of bid packages, evaluation of proposals, contract negotiations, and recommendations to senior management. Assist Construction Manager(s) overseeing electrical quality control during execution of projects and ensure compliance with reporting requirements under EPC contracts and lender agreements. Work in partnership with development departments to ensure seamless transition of sites into the construction phase. Work with the operations team to define the requirements for adequate project turnover.
- Support field staff in completing medium and high voltage field inspections and coordinating commissioning activities to ensure projects are constructed per 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 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 within 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**

- Ability to travel to construction sites around the US and Canada and be on-site for approximately one month during the commissioning of a facility.

- Passion for renewable energy.
- Ability to manage multiple tasks and flexibility in terms of assignments.
- Strong 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; scheduling software.
- Familiarity with construction processes, project contracts, engineering practices, construction techniques, wind, battery energy storage, and solar plant technologies.
- Strong attention to detail; focus on accuracy, consistency, and quality of work; high degree of integrity and reliability.

### **Compensation and Benefits**

- Salary will depend on experience level. Travel expenses will be compensated based on documented expense reports. For longer deployments, per diem may be applicable and will be 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 75k-95k plus bonus, depending on experience.
- Benefits include medical, vision, dental, AFLAC, retirement (SIMPLE IRA), short-term disability, long-term disability, life insurance, AD&D, statutory worker's compensation, unemployment insurance, general liability, errors, and 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 accommodations to applicants and employees who need them 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.