

## **Field Engineer Senior - 20150395**

Applies in-depth technical knowledge and expertise to complex engineering and construction projects related to solar and other renewable technologies for one or more of the following disciplines: civil/structural, control systems, electronics, electrical, mechanical, and/or chemical. Plans and coordinates programs and large-scale engineering projects or several medium projects while acting as a technical specialist for a specific engineering field. Maybe responsible for all aspects of work scope, often directs consultants, conducts feasibility studies, determines staff and cost estimates and recommends engineering criteria. Coordinates, administers and provides technical direction to less experienced engineers. May research new developments and technology and make recommendations to management on their feasibility for Company operations. Monitors projects and recommends modifications to increase operating efficiency and /or reviews design and documentation of complex projects to ensure compliance with design specifications, schedules and any regulatory requirements. May develop, negotiate and manage contracts and contract revisions. Interfaces with internal and external customers, outside agencies and regulatory authorities. Maintains a thorough knowledge of new developments and technology including renewable and steam plant technologies.

### **Minimum Requirements**

- Requires Bachelor's degree in Engineering (applicable engineering discipline specific to area of assignment) plus eight (8) years engineering experience, or Professional Engineer designation plus eight (8) years engineering experience or 12 years equivalent combination of technical education and experience. (Fossil requirements; the latter is to be approved by a Technical Review Board).
- Must possess in depth knowledge of energy analysis, engineering applications, business, and finance, applicable codes, standards practices and methods in the area of assigned discipline.
- In-depth understanding of construction, operating and engineering practices safety rules company policies and union agreements.
- Position requires 40% in-state travel to all of our solar sites.

### **Major Accountabilities**

1. Make decisions and recommendations that have a moderate effect on the overall organization performance. Has long term impact.
2. Typically influential in setting long term goals and objectives.
3. Is depended upon regularly in one or more areas of engineering expertise with depth of knowledge in related field or wide breadth of engineering knowledge in general fields. Understands engineering technology and process concepts for the organization and processes.
4. Contacts customers and various levels of management to obtain or present technical data. Presents the results of designs, studies projects (in terms of new techniques), warranty issues or approaches to subordinates, colleagues, management and customers.
5. Requires defined overall goals. Has capability to work without appreciable direction. Work is reviewed from a long-term perspective, mainly for results. Establishes most effective solution to problems. Sought out for solutions that are acted on as a final technical basis for decisions.
6. Develops and applies technical solutions which require original and creative approaches. Provides unique solutions and applications to a broad range of technical problems.
7. Plans, coordinates, sets priorities, and applies resources on complex projects or processes.
8. Takes initiative to eliminate barriers and uses resources to ensure desired results.
9. Independently reviews complex-engineering analyses, prepares complex engineering plans, specifications, cost estimates, evaluations, Studies, technical reviews, investigations and verifications.
10. Prepares checks and reviews non-standard analysis, evaluations, and investigations of others.
11. Provides technical guidance and leadership to technically subordinate personnel.
12. Identifies potential schedule or quality problems and initiates corrective action.

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13. Integrates the many interrelated elements of complex projects that are broad in scope, require considerations not previously encountered and requires interpretation and/or modification to guidelines. Complies with design, regulatory, operating and maintenance requirements.
14. Evaluates renewable power production assets (including renewable steam generation) for quality of construction and operation against agreement requirements.
15. Provides or reviews failure cause/ root cause analysis for equipment failures.