



Engineering Leader – Commercial Solar / Photovoltaic

If you are an experienced, hands-on Electrical Engineering leader in the power generation industry and looking to accelerate your career with a company that is well positioned in one of the fastest growing industries, we'd like to talk with you.

Independent Energy Solutions, Inc. (IES) is one of the nation's most respected commercial photovoltaic design / build firms. We are headquartered in North County San Diego and enjoy an extraordinary reputation with clients that include SDG&E, Qualcomm, Pfizer, the U.S. Navy, Camp Pendleton, and many more... IES designs and builds commercial PV systems of all types, including roof-mounted systems, ground-mounted systems, solar carport/shade structures, and complex hybrid and off-grid generation plants.

IES is currently searching for an experienced Engineering Leader. In this role, you will direct the overall objectives and initiatives of an engineering department and ensures deadlines are met. You will develop ideas for PV system enhancements and oversees the creation and improvement of elements and system components that involve the engineering department. Lastly, you will provide engineering expertise to other teams where needed.

Responsibilities:

- Review all drawings for accuracy.
- Primary internal contacts are with entire organization through daily contact and problem-solving oriented team meetings. Key external contacts include industry, contractors and vendors.
- Carries out supervisory responsibilities in accordance with the organization's policies and applicable laws.
- Responsibilities include interviewing, hiring, and training employees; planning, assigning, and directing work; appraising performance; rewarding and disciplining employees; addressing complaints and resolving problems.
- Ensure product quality. Direct the timely resolution of all product liability issues. Comply with State and Federal regulations. Minimize legal exposure and/or liabilities of the corporations. Reviewing project requirements, RFP's and proposals
- Completing jobsite visits as required to evaluate site conditions, electrical tie-ins, and other items that will impact system design and constructability.
- Evaluating Fire Department Requirements and incorporate requirements into designs
- Creating Array Layouts and Single-Line Electrical Drawings for Rooftop, Ground-mounted, and Solar Carport Structures (both grid-tied and off grid)
- Working closely with Electrical and Structural Engineering firms as necessary
- Facilitating both internal and external plan review processes
- Initiating requests for meter & main AC disconnect switch location approvals with relevant utility
- Assist in initiating CSI reservation application process to CCSE or other facilitator
- Creating Bills of Materials based on project design drawings
- Performing wire sizing and voltage drop calculations
- Facilitating final sign-offs with engineering firms, and client representatives.
- Obtain PE stamps/ signatures
- Prepare submittal drawings "For Construction". Obtain permits and notices to proceed
- Prepare as-built drawings
- Create and submit Operation and Maintenance Manuals

Minimum Required Qualifications:

- Bachelors degree in engineering (electrical preferred, mechanical and structural accepted)
- 5+ years experience as a Design Engineer electrical engineering industry.

- 5+ years in a leadership role leading other professionals
- Demonstrated ability to create and implement structure and process
- Fundamental working knowledge of NEC Codes. Strong working knowledge of construction drawings and electrical line drawings
- Proficient with MS Office Suite (Word, Excel, and Outlook)
- Strong written and oral communication and interpersonal skills.
- Ability to effectively prioritize and execute tasks in a high-pressure environment.
- This position requires access to sensitive military bases and therefore requires a clean background check (no felonies), U.S. born citizenship, a clean DMV record, and a clean drug-test.

Strongly Preferred Qualifications:

- Working knowledge of structural codes relevant to various PV array configurations
- Registered PE in California or reciprocal
- Experience in the Solar / Photovoltaic and/or renewable energy industry.

Work Environment:

- Occasional travel may be required (including some overnight travel).
- Ability to walk construction job sites and climb ladders is necessary.
- Dexterity of hands and fingers to operate a computer keyboard, mouse, and other devices and objects.

Please email your resume and salary requirements to kmacdougall@indenergysolutions.com