



Solar PV Systems Engineer/Installer

About American Reliance Inc.

With over two decades of experience, American Reliance Inc. (AMREL) has acquired novel technologies to capture the emerging markets of rugged computers, electronic test equipment, medical equipment, and solar energy. Armed with the right tools, AMREL is positioned for tremendous growth over the next three years to become a public company by 2013. This is a rare, explosive growth opportunity for entrepreneurial-spirited individuals who are enthusiastic about diverse emerging industries. Your total commitment will result in the opportunity to reap generous rewards from the overall success of the company.

The Position

Based out of El Monte, California, AMREL is seeking a Solar PV Systems Engineer/Installer with strong work ethics and a get-it-done attitude. We are looking for an ambitious, motivated, and energetic individual who can leverage their knowledge and experience in systems engineering, installation, and integration for our Renewable Energy division. The successful candidate will have one or a combination of the following experiences:

- Solar PV Engineer
- Designing Commercial Systems
- Commercial Project Management
- Hands-on Construction/Installation of PV systems

Key Responsibilities:

- Executing design work for the Renewable Energy Division.
- Ability to generate construction plan-sets and specifications.
- Project management of commercial projects is a must
- Experience in mounting solar panels to all types of building materials and various types of roofs
- Analyzing construction methodologies and cost structures
- Performing cost analysis projections and reports
- Building detailed Bills of Materials
- Working with Structural and Electrical Engineering consultants on executing code-compliant designs
- Taking detailed measurements of proposed solar system sites
- Generating system specifications and preparing bid documents
- Creating layouts and detailed designs of PV systems
- Ensure all installations meet all code requirements
- Generating permit packages
- Working with the project sales personnel on presentations and technical matters
- Interacting with and overseeing the work of subcontractors
- Assist the team on assigned projects and execute installations



- Perform troubleshooting and verify/ fine-tune designs during installations
- Work closely with customers to ensure complete satisfaction with final installation

Skills Required:

- 3+ years of PV installation experience is preferred;
- A minimum of 2 years commercial solar installation experience
- NABCEP certification and/or SEI training is preferred, but not required
- Working knowledge of the NEC Code, electrical contracting, and AC/DC systems
- Bachelor degree in Engineering: Electrical, Mechanical or Civil
- 2-3 years of system integration experience is a plus;
- Proficient cost estimating software and system performance monitoring software, Windows XP, Microsoft Office;
- Excellent communication and problem solving skills
- Disciplined, self-motivated work style;
- Desire to stay on the leading edge of the renewable energy industry;
- Strong work ethic, self motivation, organization and a can-do attitude;
- Team player who listens, and actively communicates;
- Visual thinker good at problem solving and implementing ideas;