Position: Site Survey Technician & Quality Control – Residential

Reports to: Dir. of Engineering

FLSA Status: Exempt / Salary

Status: Full-Time

Compensation: TBD (varies by experience)

Benefits: Medical, dental & more

The Site Survey Tech & QC is responsible for supporting the initial design & final project closeout and commissioning of code-compliant residential solar photovoltaic & battery storage systems following engineering department policy and adhering to Sunspear quality standards. This is a dual role in that the Site Survey Tech & QC will be performing the initial site survey for residential projects to hand-off to the drafting & design teams. Later, after installs are complete the Site Survey Tech & QC will complete the final project closeout steps required on site.

An understanding of structural and electrical engineering concepts and calculations is a necessity for this position. This is a fast paced yet detail-oriented position. This role will also require interface and communication directly with residential customers, so a friendly and positive attitude is a must to ensure our customers have a wonderful Sunspear experience.

Responsibilities and Duties

Site Survey

- Complete residential site pre-inspections, which includes documenting the site with panoramic photos or using wide angle photos, using any technology tools requested such as Augmented Reality equipment layout tools to create equipment installation visualizations and more
- Create drone maps of project sites and uploading drone maps to data server
- Access rooftops as needed by ladder to verify roof conditions, document with photos, and physically measure dimensions as needed.
- Be able to effectively and succinctly communicate with customers during the initial face to face greeting and/or on the phone or text.
- Document the project site with photos using a company provided devices and upload to company server and project management software, such as Scoop; proactively moving projects to the next stage following site inspection.
- Document the site survey process & suggest areas to improve efficiency and work to generate a training plan and SOP's for future team members.
- Communicate with the Design & Engineering team to ensure quality and explicit understanding of information that is handed to next stage in the process to complete the system design is there: **Quality In, Quality Out.**

QC – System Commissioning & Project Closeout

- Complete the Commissioning steps required to activate residential energy systems, including Tesla Powerwall systems, SolarEdge systems, Enphase Systems, SunPower Equinox systems, and any or all PV systems.
- Working with the electricians and roofers to ensure systems are ready to be easily commissioned.
- Access/document electrical distribution panels and other equipment safety
- Remove/add breakers and production CTs in the main service panel (if install team missed it, but they shouldn't miss it).
- Perform procedure development and best practices for safety and quality.
- Complete on-site diagnosis of systems
- Use phone-based applications to perform real-time site reports.
- Document time and workflow with schedulers and supervisor
- Access/document electrical distribution panels and other equipment safety
- After construction, provide support as required to create as-built drawings and procurement & installation of placards for labeling on-site.
- Upload site maps to online portals for all monitoring systems including but not limited to Enphase, SolarEdge, SunPower Equinox etc.
- After project construction is complete, placing placards on electrical equipment and collecting photos for submittal to HECO.
- Collect photos of the equipment program settings for HECO to ensure quick closeout of PV installations.
- Uploading all system QR codes to OneDrive and commission QR codes online
- Any other project engineering required items to ensure the success of a construction project
- Assist in developing and documenting industry best practices, standards and guidelines.
- Utilize software systems to record progress of various tasks.
- Organizing photos and documentation in data server
- **Be open to change, be creative, optimistic, and set the example for team culture.**
- Work to meet and exceed design Key Performance Indicators (KPI) including, but not limited to, quality, output, cycle time and difficulty
- Participate in training modules, including but not limited to, SunPower Training, Span training, Tesla, and SolarEdge training and more to ensure constant learning goals to increase solar knowledge base
- Stay up to date with the evolving Solar PV and Battery landscape and be constantly prepared for industry related changes
- If required, manage your personal calendar and schedule prioritizing Site Surveys and Commissioning in conjunction with the needs of the department as directed by the Operations Administrator or other project stakeholders.

Minimum Qualifications:

- Valid driver's license with a clean driving record
- OSHA 10 Certification
- OR Bachelor's degree in non-engineering field and 1 year of solar industry experience required
- OR Associate's degree in design related field and 1 year of solar design (or 2 years of solar industry) experience required
- OR NABCEP (PV Installation Professional) certification and 2 years of solar industry experience required
- Proficient in Microsoft Office and other software tools
- Critical thinking and ability to solve problems
- Demonstrate good judgment and analytical skills
- Willingness to ask questions when needed, a humble mindset.
- High attention to detail
- Ability to prioritize and manage multiple projects in a fast-paced environment
- Ability to effectively communicate with engineering, construction, and customer facing teams
- Strong desire to change the way our world is powered!
- Experience with designing and/or constructing solar electric systems
- Strong working knowledge of residential framing, roofing, and electrical
- Knowledge of National Electrical Code and local building codes
- Must be able to work at heights including on rooftops, climbing ladders, and stairs
- At times to verify field conditions, must be able to work in extreme environments (example: hot sun, cold, crawl spaces, attic etc.)

Preferred Qualifications:

- Bachelor's degree in an engineering related field
- Technical knowledge of solar system installations
- NABCEP certification is a plus
- Understand the NEC electrical code specifically relating to Solar PV Equipment in sections 690 and 705
- Understand how to interpret one-line and three-line electrical diagrams and create single-line and three-line diagrams
- Understand how PV system interconnections for 100A, 200A and 400A services
- 3 years of experience in the solar industry preferred
- Experience with Tesla Powerwall 2, Generac PWRcell, Enphase IQ Battery System, SunPower Sunvault, Solar Edge.
- Experience in understanding the flashings required for roof work (including metal, concrete tile, clay tile, comp, shingle, or wood shake), HVAC, metal fabrication, general construction or carpentry preferred but not required.
- Experience with AutoCAD and CRM software tools
- Experience in creating material takeoffs

Why start an exciting career with Sunspear?

- Be part of a fast-growing company (Top 3 in Hawaii), within a fast-growing industry that provides a valuable service of helping clients save money while simultaneously promoting sustainability.
- Company growth opens doors for career advancement, and we love to promote from within.
- A mentorship environment with a strong team of industry veterans to learn from and who will encourage you to be successful!
- Bonuses for sending us referrals!
- As a company, we have built a positive and family-style culture within the organization; we pride ourselves on a fun team atmosphere with result-based incentives.

Equal Employment Opportunity Policy

We provide equal employment opportunities (EEO) to all applicants for employment without regard to race, color, religion, sex, national origin, age, disability or genetics. In addition to federal law requirements, we comply with applicable state and local laws governing nondiscrimination in employment.