Description

Pure Power is seeking an experienced engineer to design commercial/utility scale distributive generation systems. This role will work across our Engineering Teams to meet the needs of our clients. This is an exciting opportunity for someone with a passion for renewable energy to join a growing practice in our well-respected company.

Responsibilities

Play a key role in our company's engineering & design of large Solar PV, Battery Energy Storage, & Microgrid systems between 500kW and 500MW in size.

Specific duties include:

- Medium voltage design & equipment specification.
- Relay protection & controls
- Models & Studies
    - Cable Thermal
    - Load Flow (includes VAR studies and transient analysis)
    - Short Circuit (w/ equipment evaluation)
    - Protection Coordination
    - Arc Flash
    - Ground Grid
    - Harmonics
    - Lightning Risk Assessments
- Overhead distribution (Pole Line & Pole-Top equipment design)
- Microgrid Design & Controls
- Interconnection Applications
    - Distributed Generation, Distribution Level
    - Transmission Level
    - Develop specifications, collect data, and complete utility interconnection applications and building permit applications.
- Support construction by responding to RFIs and reviewing equipment submittals.
- Develop construction documents using AutoCAD.
- Develop detailed equipment specifications.
- Coordinate our designs with the substation design vendor.
- Coordinate activities between clients, utilities, permit agencies, contractors, and other engineering firms.
- Site assessment and analysis both from on-site data collection and network tools.
- Contributing to or writing technical papers.
- While most of this work will be carried out in Pure Power's office in Hoboken NJ, some travel to sites will be expected.
- Provide mentorship and training to new and junior engineering personnel.
- Other tasks as assigned.

Requirements

Required Qualifications

- 5+ years' experience designing electrical power systems & the tasks listed above.
- Familiarity with the NEC, NESC, IEEE, &ANSI standards.
- Proficiency with the AutoCAD
- Proficiency with SKM Power Tools & Etap software
- BS in electrical engineering or other related discipline.
- Ability to communicate among construction, technical and non-technical personnel, both internally and outside the company.

Preferred Qualifications

- Experience with:
    - Designing commercial & utility scale solar PV/BESS systems.
    - Traditional building design with an MEP firm.
    - Distribution Pole Line Design
    - Protection & Controls.
    - Medium Voltage engineering.
    - Hands on installing, commissioning, testing, and troubleshooting solar PV systems.
    - Microgrid design experience.
    - Generator design experience
    - NABCEP certification.
- PE license.