

Senior Electrical Engineer

McCalmont Engineering is seeking a licensed professional electrical engineer to join us in designing and engineering large scale solar electric systems. This individual will be responsible for PV electrical designs from solar modules through the utility interconnection. Project sizes typically vary from 500kW to 100MW. This person will perform his/her own project designs but also oversee the work of junior level engineers. A wide range of experience is desirable varying from the building industry and Code-based knowledge to applied electrical engineering in DC and AC distribution. The ability to solve complex problems with creative ideas is a must.

Duties and Responsibilities will include but not be limited to the following:

- Perform solar engineering designs with solar design software including SAM, PVSyst, PVWatts, and proprietary tools.
- Prepare and oversee project electrical design drawings including single line drawings, DC and AC wiring diagrams, electrical site plans and equipment layouts – including providing all supporting calculations.
- Assure that designs are Code-compliant.
- Participate in site audits as needed.
- Meet with customers and provide engineering support.
- Prepare proposal and specification documents.
- Participate on-site in answering engineering questions during construction.
- Keep abreast of new products (modules, inverters, racking).
- Evaluate new modules, inverters, and balance of system components.

Knowledge, Education and Experience Requirements:

- Bachelors degree in electrical engineering.
- Masters degree desired but not required.
- PE electrical license (California minimum, other states desirable).
- Knowledge of electrical design, materials and methods of construction in power systems.
- Knowledge of distribution and/or transmission design is a plus.
- Solar electrical systems background a plus.
- Thorough knowledge of the National Electrical Code as it relates to commercial and utility scale power plants – preference given to knowledge of NEC Article 690.
- Proficiency with AutoCAD and the ability to generate construction level drawings.
- Good communication and presentation skills.
- Highly organized and able to multi-task several projects at once.
- Ability to interact with junior engineers and to act as a mentor and trainer.
- Proficient with Excel, Word, and PowerPoint.
- Strong problem solving skills.

If you are interested in joining one of the premier companies leading the solar revolution, McCalmont Engineering is a fun and challenging work environment. Please apply by sending your resume to jobs@mccalmont.net.