

Electrical Engineer III

About Flux Energy Systems

Flux Energy Systems is an engineering and technical consulting company that assists contractors, developers, and product innovators with solar, battery, and electric vehicle projects. Our expertise in implementation allows us to tackle exciting projects with the newest technologies and aggressive schedules. By collaborating with our clients, we provide the leadership and organization that drives projects to their schedule, budget, and quality targets.

Working at Flux requires the ability to work independently and an eagerness to learn about the alternative energy industry. Our clients move at a fast pace, so we do too. We work hard and efficiently to seek improvements for our team and our clients. Flux is a small but growing company, so there are plenty of opportunities for learning and career growth!

Job Description

Flux Energy Systems is hiring an Electrical Engineer III to support our portfolio of solar, microgrid and battery storage projects. This is the perfect opportunity for an experienced engineer to lead a team working on a variety of exciting, new technologies. You will report to the President.

Required Skills and Qualifications

- 5-8 years industry experience.
- Experience with multi-megawatt solar and battery projects.
- Exposure to substation, medium voltage and utility electrical systems.
- BS/MS in Engineering or Applied Science.
- PE License encouraged.
- Two or more years' experience with ETAP and CDEGS or other applicable modeling software.
- Comfortable in AutoCAD
- Remote work located in California, Colorado, or Texas.

Position Responsibilities

- Complete independent calculations to size battery and photovoltaic systems and the balance of plant including conductors, conduits, equipment, and overcurrent protection devices.
- Review and redline Flux drawings review of drawings package.
- Effectively communicate design or drawing updates to Electrical Engineers, Design Engineers, or Drafters.
- Review and justify designs based on codes and standards including NEC, IBC, IFC, and IEEE.
- Direct the drafting team to create single line, three line, block, and network diagrams.
- Drive Flux design procedures and develop new procedures or updates to streamline design process.
- Review Interconnection applications and studies.

- Independently model power systems in ETAP and complete the following studies: load flow, short circuit, arc flash, underground raceway system, harmonics, grounding and coordination and protection modules of software for both AC and DC systems.
- Complete report write-up per Flux standards and/or project requirements or delegate work to lower-level Electrical Engineers.
- Drive technical discussions of electrical design process and decisions.
- Confidently scope projects identifying major equipment and design requirements.
- Travel requirements
 - Quarterly visits to LA for Flux meetings (Jan, April, July, December)
 - Participation in SPI or some other national-level conference.
 - Periodic site visits to support construction RFIs or initial site investigation

Compensation

\$100,000 - \$120,000. Full time employment includes health, dental and vision insurance. Paid time off includes three weeks of vacation and nine company holidays.

How to Apply

Please submit a resume and a customized cover letter to contact@fluxenergysystems.com. We look forward to hearing from you.