***Come work as a Senior Electrical Engineer at a growing company that offers great benefits with opportunities to advance and learn alongside accomplished business leaders … Become a part of our team!***

**Get to Know Us**

Flux Power is a fast-paced, high-growth (40% YoY), publicly traded company (NASDAQ: FLUX) that is leading the adoption of lithium-ion technology solutions. We design, manufacture, and sell advanced lithium-ion battery packs that are disrupting the 100+ year old market for lead acid batteries. Our battery packs are used to power industrial and commercial equipment like forklifts and airport ground support equipment, as well as new applications like solar-powered EV charging stations.

**About the Role**

**We have a terrific opportunity for a Senior Electrical Engineer.** Using your initiative, enthusiasm, experience and engineering background, you will play a key leadership role in performing a spectrum of electrical engineering tasks and activities including; requirements creation, system, module and circuit design, hardware/software integration, test and performance verification of system, module, circuit and components and failure analysis’. This is an opportunity to be an early team member in an innovative, thriving, and ambitious company.

**What you Will be Doing**

* Create new product concepts, system and electrical requirements, develop system block diagrams, perform computer modeling analysis, define and setup of test station equipment and tools.
* Circuit and module design, schematic capture, PCB-PCA design, create mockup and prototypes.
* Test and evaluate hardware and system designs, test and validation of circuit, module and system performance relative to requirements and specifications.
* Create, review and release of detailed design documentation.
* Analyze problems and create understanding of root cause, define resolution and prevention of failures and other technical duties.
* Assure efficient and effective project design activity by directing the work of assigned drafters, designers, technicians and others; and by working with development and technical leads and engineering resources.
* Hardware test and hardware/software integration, checkout, and test.
* Conduct analysis of Failure Mode Effects and Criticality Analysis (FMEA) to identify risks and calculate probability of occurrence/criticality of failure modes for electrical components.
* Conduct of failure analysis and development of corrective actions in support of the Failure Reporting and Corrective Action System (FRACAS) process.
* Creation and maintenance of design, system and manufacturing documentation including their approvals.
* Contribute to the advancement of product designs and awareness of recent innovations by continuing education, reading, participating in engineering organization(s), and by developing and maintaining a professional network outside the company.
* Lead collaboration with multi-layered validation teams, to ensure total product performance is covered, and validation/integration gaps are eliminated.
* Data analysis with clear communication of results (including executive presentations) and collaboration with design engineers to resolve any product problems found via test
* Design with implementation of next generation test hardware systems to facilitate fast and repeatable testing of product

**What you Will Need**

* Minimum of 10 years of electrical design or related design experience.
* Bachelor’s degree from an accredited university in Electrical Engineering or related field.
* Industry Experience: 15 years of related experience.
* Excellent written and verbal communication skills.
* Understanding of electronic, electrical, computer, and networking systems.
* Ability to work non-traditional hours, weekends & holidays.
* Ability to lift at least 25 lbs.

**Other Duties**

**Please note this job description is not designed to cover or contain a comprehensive listing of activities, duties or responsibilities that are required of the employee for this job. Duties, responsibilities, and activities may change at any time with or without notice.**

**What Can We Offer You for All Your Hard Work?**

**Benefits**

* Medical, dental and vision insurance options
* 401K Plan with company match
* Life Insurance
* Paid Time Off
* Paid Holidays

**COVID-19 Precaution(s)**

* Personal protective equipment provided or required
* Sanitizing, disinfecting, and cleaning procedures in place

We are committed to a safe, drug-free workplace by performing pre-employment background checks and substance testing.

**Notes**

* No recruiters, contractors, or consultants, please.
* No relocation assistance or visa sponsorships available for this position.

**Please review our career page at** <https://www.fluxpower.com/careers>

*\*\*\*Flux Power is proud to be an equal opportunity employer committed to providing employment opportunities (EEO) to all employees and applicants for employment without regard to race, color, religion, sex, national origin, age or disability, or any other class protected by Federal, State or local laws. Flux Power complies with all employment eligibility verification requirements of the Immigration and Nationality Act and all must have the authorization to work in the US.*