

**SENIOR ELECTRICAL ENGINEER**

## Company Overview:

Ampaire is a tech startup based in California that is leading the charge in electric aviation. We're on a mission to provide the world with electric commercial flights that are affordable, quiet, and environmentally conscious. We're building the future of air travel, are reimagining the way people and their things fly. We are a practical and lean start-up that quickly iterates and learns, and this has allowed Ampaire to be among the first of the electric aviation companies to actually fly. We currently are flying what we believe to be the world's largest electrified aircraft by weight and capacity.

We're located at the intersection of aerospace and electric vehicles, right next to SpaceX and Tesla at Hawthorne Airport in Los Angeles County. As part of Starburst, the world's top aerospace accelerator, we have access to an international support network. We're proud to have won multiple international awards as a Top Aerospace Startup (Hello Tomorrow, Paris), Top Electrification Startup (New Mobility Challenge, Los Angeles), and IEEE N3XT Stars. We've also been featured in Aviation Week for our creative business approach and early success. Our talented team brings a diverse background from top institutions including: Caltech, Stanford, USC, Northrop Grumman, SpaceX, Virgin Orbit, and General Motors.

## Job Description:

Performs detailed design and analysis of electronic circuits, systems, wiring and enclosures including thermal management using state of the art computer aided design tools. Develops schematics and oversees PC board layout designs. Creates and releases detail drawings in accordance with ANSI Y14.5 and internal standards. Maintains required artifacts within a parametric CAD environment and PLM system.

## Required Qualifications:

- + BSEE
- + 6+ years of increasing responsibilities
- + Aircraft electrical systems design to DO-160, DO-254 and ARP 4761

**SENIOR ELECTRICAL ENGINEER**

- + Familiarity with FAA certification requirements for electrical systems
- + Familiar with avionics design including controls, displays, human/machine interfaces, thermal management, cabling and connectors
- + Familiarity with ARINC-429 communication
- + Demonstrated strong strategic thinking and communication skills
- + Demonstrated strong decision-making skills
- + Demonstrated ability to effectively present information and respond to questions from groups of managers and general users
- + Demonstrated ability to work with all levels of the organization to achieve organizational objectives
- + Able to read, analyze, and interpret technical data
- + Able to write in a clear and concise manner
- + Able to effectively present information and respond to questions from other departments
- + Able to actively participate in multi-disciplined functional teams
- + Able to communicate project status updates in a team environment
- + Proficient with Microsoft Word, Excel, PowerPoint, MATLAB, requirements management tools, and project management applications
- + Able to effectively plan, organize and complete work with minimal supervision
- + Able to communicate complex technical information to other departments and functions
- + Highly motivated to provide project deliverables on time and be able to establish priorities when multiple deliverables coincide
- + Interest and ability to contribute to evolving work processes
- + Passionate about engineering software applications and process improvements

## Desired Qualifications:

- + MSEE or higher in Electrical Engineering. Similar degrees may be acceptable given sufficient experience
- + Familiar with electric powered vehicle design including control systems, battery systems (Lithium based chemistries), and battery management systems
- + Successful FAA Certification of electrical and avionics systems per Part 23
- + Demonstrated success testing avionics assemblies per DO-160G
- + Flight computer or engine control computer design experience
- + Redundant systems design
- + C/C++ Coding
- + EMI/EMC Specialty

**SENIOR ELECTRICAL ENGINEER**

- + Proficient with requirements management tools and project management applications

**Benefits:**

- + 401k
- + Health + Dental + Vision insurance
- + Aviation Enthusiast Benefit credit

**Equal Opportunity Employer:**

At Ampaire, we are committed to building a more inclusive ecosystem that integrates women, people of color, and other underrepresented groups into the cleantech sector and aerospace industry. We strongly encourage applications from qualified applicants and members of underrepresented groups. Ampaire is an Equal Opportunity Employer; employment with Ampaire is governed on the basis of merit, competence and qualifications and will not be influenced in any manner by race, color, religion, gender, national origin/ethnicity, veteran status, disability status, age, sexual orientation, gender identity, marital status, mental or physical disability or any other legally protected status.