

**POWERTRAIN TEST 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:

Ampaire is seeking a highly experienced Aircraft Powertrain Test Engineer to serve in a key role for our aircraft retrofit projects. In this role, working with the multidisciplinary engineers throughout the organization, you will: Work with system engineers to understand all subsystem and component requirements; convert product requirements into test methods, cases and parameters; write test plans, objectives and procedures. Specify, procure and setup necessary test equipment including high voltage and high power electrical test devices and computerized data acquisition systems; Develop test environments and test setups; Setup and execute require tests; Analyze test results, detect issues and develop root cause remedies as required; Ensure all tests and procedures meet company standards and regulatory requirements; Prepare and present test reports to management and regulators.

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## Required Qualifications:

- + Bachelor's degree in engineering
- + 6+ years of increasing responsibilities in testing powertrain components
- + Excellent knowledge of common test equipment and Instrumentation for electrical and mechanical systems developmental testing
- + Experience with defining processes, procedures and tools used for hardware, electrical system and software systems validation and verification testing.
- + Familiarity with computerized testing tools such as LabVIEW.
- + Experience with diagramming software such as Microsoft Visio
- + Experience using requirements management software. Jama experience preferred.
- + Excellent problem-solving skills.
- + Ability to manage test projects from planning through reporting.
- + Ability to troubleshoot and think out of the box.
- + High-level technical writing skills.
- + Experience with full product development life cycle
- + Excellent organizational, time management, leadership, strategic thinking, and decision-making skills.
- + Strong verbal communication skills.
- + Knowledge of FAA policies, standards, and aircraft development best practices.
- + Demonstrated ability to effectively present information and respond to questions from groups of managers and general users
- + Able to read, analyze, and interpret technical data
- + Able to communicate project status updates in a team environment
- + Able to effectively plan, organize and complete work with minimal supervision
- + 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

## Desired Qualifications:

- + High Voltage and High Power Electrical test experience
- + Familiar with gas turbine engine testing
- + Familiar with high power electric motor testing
- + Familiar with advanced battery systems
- + Experience with FAA Certification per Part 23/33

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- + Experience with testing per DO-160G and DO-311A
- + Expert user of Jama requirements management tool

## 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.