



Staff Electrical Engineer

ABOUT MightyFly

At MightyFly, we are pioneering a revolution in the logistics industry via our autonomous hybrid eVTOL cargo aircraft. Our mission is to provide efficient, affordable and low emissions expedited deliveries to everyone.

Legacy logistics services are time and resource intensive. At MightyFly, you will have the opportunity to work on cutting edge technology to change that. We are building autonomous eVTOL aircraft with cargo capacity of 100 to 500 pounds and range of 600 miles. Our expedited delivery services aim to streamline B2B and B2G logistics, providing very efficient point-to-point deliveries to our customers. We will fundamentally transform how goods are moved around the globe.

Join the MightyFly team and help us change the world!

ABOUT THE ROLE

MightyFly is looking for a Staff Electrical Engineer to join our growing team and contribute to the development of one of the world's largest autonomous cargo aircraft. As the Staff Electrical Engineer, you will be responsible for planning and leading the architectural design, implementation, and testing of electrical systems onboard MightyFly's hybrid-electric eVTOL aircraft. This role requires a strong fundamental understanding of electric powertrain systems, power electronics, high voltage battery management, and safety critical design.

Our ideal candidate is self-motivated, passionate about hybrid eVTOL aircraft development, and has a strong interest in working in a small, fast paced team where a variety of skills will need to be applied day to day. Your work will have a direct impact on our mission and success.

WHAT YOU'LL DO

- Be responsible for design, development and integration of high voltage batteries, powertrain hardware, power electronics, and control for the aircraft's hybrid-electric systems.
- Lead hands-on integration and testing of aircraft electrical systems



- Perform system trades and provide data-driven recommendations for build vs buy decisions
- Contribute to high-level planning and architecture discussions in collaboration with other team members
- Generate technical drawings of systems, components, and interfaces
- Manage prototype production and contract manufacturers

WHAT YOU'LL BRING

- General
 - A passion for building systems from the ground up
 - A can-do attitude for tackling and solving complex problems
 - Be a self-starter with the ability to work and thrive in a dynamic and fast-paced environment
 - Great documentation skills
- Technical
 - Bachelor's or Master's degree in electrical engineering with 10+ years of experience as a hands-on Electrical Engineer
 - Experience designing high voltage (400V-800V) systems including safety, protection, and fault handling
 - Deep expertise in power electronics, thermal management, power conversion
 - Strong understanding of hybrid electric propulsion systems including inverter and generator technology, motor control, brushless motor operation
 - Experience in design and fabrication for automotive or aerospace environments (extreme temperature, shock, vibration, etc)
- Planning & Partnering
 - Ability to plan and deliver on time
 - Ability to translate product requirements into technical implementation plans
 - Excellent technical communication skills
 - Organizational Skills
- Nice to have
 - Familiarity with aviation certification standards & processes
 - Educational background or work experience in high performance vehicles (electric or hybrid vehicles, race vehicles, Solar Car, Formula SAE)
 - Experience with various battery chemistries and related battery management systems

WHAT ELSE YOU NEED TO KNOW

MightyFly is only able to sponsor TN visas and H1B visa transfers for this position at the present time.



Equal opportunity:

MightyFly is an equal opportunity employer and prohibits discrimination and harassment of any type. We do not discriminate based upon race, religion, color, national origin, sex (including pregnancy, childbirth, reproductive health decisions, or related medical conditions), sexual orientation, gender identity, gender expression, age, status as a protected veteran, status as an individual with a disability, genetic information, political views or activity, or other applicable legally protected characteristics.

Diversity:

MightyFly values diversity and welcomes applications from those who are traditionally underrepresented in the tech industry. We are an international team, led by a female CEO.

Job Location:

- Bay Area. Work will be on site.

Culture:

- We are aviation and aerospace enthusiasts who believe the sky is *not* the limit.
- **Teamwork:** We believe that to achieve great results we need great teamwork.
- **Working hard:** Building reliable aviation and logistics products is really hard but also exciting, challenging, and rewarding.
- **Having fun:** We believe that hard work needs to be coupled with fun. We love hanging out beyond the workday, hosting team dinners, and organizing fun activities. We love the outdoors and outdoor sports. And of course, we love flying.
- **Celebrating wins large and small.**
- **Creativity.** We love and encourage creativity. The best ideas emerge when our working environment fosters out-of-the-box thinking.
- **Equity, inclusivity, and respect** for the diversity of life and work experiences that each individual brings to the team.
- **Transparency, honesty, and integrity.**

Benefits:

- Competitive health, dental, and vision insurance
- 401k Plan
- Commuter benefits
- Complementary in office meals and snacks
- Paid time off
- Stock option/equity plan

APPLY

Email a copy of your resume and a brief introduction about yourself to careers@mightyfly.com.

