

Position Title / Department	Location	Reports to
Electrical Engineer / Engineering	Colorado Springs, CO, USA (on-site)	VP of Engineering
Employment Status	FLSA Status	Effective Date
<input type="checkbox"/> Temporary <input checked="" type="checkbox"/> Full-Time <input type="checkbox"/> Part-Time	<input type="checkbox"/> Non-Exempt <input checked="" type="checkbox"/> Exempt	Immediately

Company Description

PteroDynamics Inc. designs superior autonomous vertical takeoff and landing (VTOL) aircraft systems that fly faster and go farther to reach remote locations without runways, even in harsh conditions. PteroDynamics' Transwing® aircraft is unlike any other VTOL system, performing like a great fixed-wing aircraft with superb VTOL capabilities. Transwing aircraft unfold their wings to transition smoothly and quickly between vertical and horizontal flight, overcoming limitations inherent in other VTOL designs by combining the speed, range, and endurance of fixed-wing aircraft with superior VTOL performance in an efficient, highly automated platform. The Transwing is ideal for automating time-sensitive delivery of critical high-value payloads to-hard-to-reach locations, including maritime logistics support, payload delivery to remote locations without airstrips, and reconnaissance and surveillance. Seeing is believing. Visit PteroDynamics.com for details and videos.

Position Summary

Pterodynamics is seeking an Electrical Engineer for the design, development, and test of electrical systems as part of a fast-paced, multidisciplinary R&D team. These systems would include aircraft harness design, development and assessment of electrical motor propulsion systems, aircraft power management, RF and antenna testing.

Essential Duties and Responsibilities

The essential functions include, but are not limited to, the following:

- Evaluation of existing electrical systems, components, and applications through testing and implementation
- Issue diagnosis, root cause analysis and repair
- Identifying functional gaps in existing systems and determining solutions
- Feasibility studies for new technical requirements/projects
- Design, build and test of electrical components and systems
- Author electrical diagrams, system maps, interface control documents

Minimum Qualifications

- Minimum of a B.S. in Electrical Engineering or a related technical discipline
- 5+ years experience in design of electrical systems for aviation, automotive, or a similar field
- Proficiency in Altium, KiCAD, or similar PCB design software
- Experience with first article testing of newly designed components
- Experience creating/modifying code for testing/debugging new systems
- Proficient with operation of electronic instruments such as multimeters, oscilloscopes and logic analysers

- Proficiency in Microsoft and Google Workspace software
- Familiarity with Windows and Linux-based operating systems
- Experience using Python tools and language
- Flexibility and an aptitude for learning
- Ability to work through out-of-discipline and novel problems as an individual or part of a team
- US Citizenship/Permanent Resident Status
- Reliable transportation to get to work on time

Other Qualifications & Desired Competencies

- Experience with embedded systems design and testing experience
- Experience with troubleshooting individual components and full system integrations
- Experience tailoring documentation for different audiences
- Familiarity with brushless DC motor design and motor control
- Familiarity with RF principles and antenna design
- MATLAB and/or Python experience
- Experience interfacing with customers and suppliers

Company Values

Framework for our Values:

- People
- Excellence
- Accountability
- Knowledge

People: We value relationships with our colleagues and customers while embracing and upholding the worth of every individual

- Trust - we push down responsibility in decision making to the lowest level that makes sense, while maintaining accountability
- Respect - we always maintain respect for ourselves and others
- Communication - we encourage open communication and respect for all perspectives
- Enjoyment - together, we create an environment that is fun and enjoyable

Excellence: We have a mindset of excellence at all times

- Pursuit of Excellence - we are passionate about our work and strive for superior outcomes at all times
- Incremental Approach to Success - We agree that bringing our best each day is important and that incremental improvement matters
- Willingness to listen and learn - we believe success requires remaining humble, having an open mind, and listening to constructive input
- Coaching - being a great teammate includes a willingness to be coached and taking the time to help others achieve excellence
- Measuring Success - we measure our success not only by how much money we make but also by the satisfaction of our workforce and the value of the solutions we bring to the world

Accountability: We believe the foundation of trust is accountability

- Collaboration - we recognize that our success depends on how well we work together
- Personal Responsibility - we believe in holding ourselves accountable, starting with self-accountability, and including accountability to co-workers/teammates, and ultimately to our customers and our shareholders

- Consistency - our happiness, productivity and ultimate success all require consistency from subordinates and managers alike
- Professionalism - we believe that our attitude and approach to our work and how we handle ourselves are crucial and will be recognized by our peers and our customers
- Courage - we do what is right and are not tempted to create shortcuts, avoid hard work, or do the wrong thing because it is easy or expeditious
- Merit - hard work is recognized and rewarded

Knowledge: We believe that innovation and success depend on gaining, documenting and sharing knowledge

- Knowledge Gain - we remain inquisitive and seek data and information to gain and build knowledge
- Knowledge Sharing - we believe in the open sharing of information rather than having it exist in silos`
- Knowledge Documentation - we believe that insights gained during the process of research and development and from feedback from customers and other stakeholders must be documented so that others may understand and build upon those insights
- Customer Needs - we can only provide a superior solution if we truly understand the needs and requirements of our customers

Compensation

Salary Range: \$95,000 - \$120,000 annually DOE

What We Offer

At PteroDynamics, you will have the opportunity to make a significant impact on the future of aerial technology through creativity and innovation. The company offers a comprehensive compensation package, which includes a competitive salary, stock options, company-sponsored medical insurance, dental, vision, term life insurance with an AD&D rider, 401(k) plan with up to 3% matching by the company, long-term disability, paid time off, paid holidays, paid sick time, and a collaborative inclusive working environment in an exciting, growing startup company.

Note

This job description in no way states or implies that these are the only duties to be performed by the employee(s) incumbent in this position. Employees will be required to follow any other job-related instructions and to perform any other job-related duties requested by any person authorized to give instructions or assignments. All duties and responsibilities are essential functions and requirements and are subject to possible modification to reasonably accommodate individuals with disabilities. To perform this job successfully, the incumbents will possess the skills, aptitudes, and abilities to perform each duty proficiently. Some requirements may exclude individuals who pose a direct threat or significant risk to the health or safety of themselves or others. The requirements listed in this document are the minimum levels of knowledge, skills, or abilities. This document does not create an employment contract, implied or otherwise, other than an "at will" relationship.

PteroDynamics is an Equal Opportunity Employer, drug-free workplace, and complies with ADA regulations as applicable. If you're ready to join us in reshaping the future of UAVs, we encourage you to apply for this position and bring your unique technical brilliance to our team.

How to Apply

Submit resume to careers@pterodynamics.com