BLADERUNNER ENERGY

Job Opportunity at BladeRunner Energy

Mechanical/Mechatronics Engineer

BladeRunner Energy is participating in the advancement of technology that will contribute to the decarbonization of power generation, with the ability to improve energy access in remote regions and promote sustainability practices that are essential for improving quality of life. To this end, BladeRunner Energy is bringing to market its hydrokinetic solution for harnessing the power found in the natural flow of water, without the need for dams or impoundments. In keeping true to our mission, our approach aims to increase the accessibility and minimize the footprint of a technology that can tap into a continuous source of renewable power. By bringing to market our unique hydrokinetic solution we can establish a backbone that strengthens and enables other renewable technologies or serve as a stand-alone solution offering reliable clean power.

As an early-stage company committed to making renewable energy available in areas rich with riverine and tidal/ocean currents, we continue to garnish recognition in our innovative approach and are gaining strength in our path to market. We are determined to be participants in the shift towards small-scale distributed power generation, where sustainability, resilience, and an improved synchronicity with the environment are at the core of this transition. As we continue to make headway in a system tailored to empower remote riverine communities, we look to a future where our technology will also support sustainable practices in the aquaculture and maritime industries, thus broadening our impact in the blue economy.

As we advance our technology and establish our growth path, we are looking to expand our engineering team. By joining BladeRunner Energy as a **Mechanical/Mechatronics Engineer**, you will be an influential participant in the engineering development of our hydrokinetic system. In our team, you will exercise your ability to:

1) Solve engineering challenges that make use of mechanical and electrical systems
2) Collaborate in the design and decision making process
3) Develop, build, and implement control systems at prototype scale
4) Perform analyses of instrumentation data
5) Interpret and write programming code
6) Make use of hand tools to build test rigs
7) Delve into additive manufacturing and other composite processes for prototyping
8) Help construct the pragmatic pathway to take early phases of product development all the way through to highly functional prototypes and onward to a final product

In return, BladeRunner Energy will offer you a flexible work environment where everyone can expect to receive the upmost respect for who they are, where the opportunity for growth within the company is fostered, where you will feel the gratification of tackling engineering challenges head-on, and where we hope you find a true sense of satisfaction in playing a role in moving a technology from prototype to pilot to market.

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Required Traits

- Committed to innovation in the field of renewable energy/distributed power.
- Fearless to navigating the trials and tribulations of a start-up environment.
- Able to "show-up" and be at their best when nothing goes according to plan.
- Understands the meaning and importance of getting things done to meet hard deadlines.
- Independent, focused, resourceful, creative, and thorough in executing their work.
- Has a finesse in performing mechanical tasks.
- Thorough comprehension of developing, integrating, testing, and analyzing systems that couple instrumentation with hardware.
- Able to digest and translate higher level requirements into electro-mechanical configurations.
- Highly versed at using engineering software with the ability to self-teach.
- Able to put together concise development work plans and keeping to milestones.
- Can communicate and behave at a high level of professionalism when interacting across various platforms, from internal colleagues to external partners, clients, and other stakeholders.

Ideal Background

- Bachelor's degree in Engineering, Physics, or related subject area with a minimum of 3 years of relevant experience; Master's degree in similar subject areas with a minimum of 1-2 years of relevant experience; or +7 years of hands-on technical experience if no relevant degree and a clearly demonstrable grasp on the fundamentals of engineering and physics.
- Experience in one or more of the following areas: hydro or wind power technologies, turbomachinery, electrical power systems, marine or riverine environment, and aviation technology.
- Highly knowledgeable in using Matlab/Simulink
- Hands-on experience building and testing mechanisms that include sensors, actuators, controllers, and power electronics.

As much as possible, BladeRunner Energy provides a flexible and hybrid workplace, but this position requires routine and weekly presence at the company's headquarters in Bend, OR. Only individuals living in Central Oregon or wanting to relocate are encouraged to respond.

Current benefits include: 15 days of paid Personal Time-Off, 10 paid holidays a year, and equity options.

The compensation package will be competitive and account for the candidate's professional attributes and experience.

If interested in executing on our vision of a more inclusive and equitable world, where energy access and environmental consciousness are primordial, and if you believe your skills and knowledge will allow you to exceed at the expected responsibilities of a Mechanical/Mechatronics Engineer, please apply. Send us an email that includes your CV along with a cover letter that elaborates on your professional background, how it applies to this position, and the reason for your interest in joining our team.

Send to moriel@bladerunnerenergy.com and include in the subject line "BladeRunner – Engineer Position".