

Electrical engineer

Do innovative, sustainable energy solutions inspire you? Do you want to help fight climate change and work with some of the largest and most ambitious clients in the world? Aeromine Technologies is about to launch its novel building integrated wind energy technology for industrial/commercial use. Aeromines are ideal for rooftop installations as they have no exposed rotating parts, make no noise, and no vibrations.

We have received 5.000+ customer inquiries during the past 4 months, and we are hiring to support customer demand. Our innovative solution was selected by TIME Magazine as one of the best global innovations in 2022. See: www.aerominetechnologies.com

We need to develop our electrical hardware that controls the 5kW generators, as well as design effective systems for integrating the electrical power systems with buildings and the grid.

Responsibilities

- Develop and maintain our control system simulation environment, including hardware in the loop testing, sensors etc.
- Aggregate data, analyze system performance and support measurement campaigns with R&D activities
- Develop electrical delivery systems and hardware
- Support documentation for grid connectivity

Qualifications

- Solid understanding of electrical power generation systems and motor control
- Solid understanding of renewable energy systems, batteries, or generators in the building environment
- Solid understanding of electrical systems in buildings, including cost structures
- Solid understanding of certification of electrical equipment
- Solid understanding of interconnection of power generation in buildings
- B.Sc., M.Sc. or PhD in electrical engineering
- 5+ years' relevant working experience

Competencies

- * You are self-driven and have a holistic view on things
- * You have solid collaboration skills

* Solid English writing and verbal communication skills

* Enjoy working in an international setting with stakeholders at multiple levels, timezones, and locations

What we offer

We value initiative, responsibility and the right balance between creativity and quality in all solutions. We offer an exciting workplace with significant professional and personal development opportunities in an inspiring, international work environment. You will be working in an environment with highly skilled people from a variety of technical areas. You will be shaping the development of a distributed simulation environment that has a key role in securing scalability in the energy transition. You will have flexible working hours and opportunities for remote working.

Additional information

Your work location will be in Houston, Texas, reporting to CTO & founder of Aeromine. Both domestic and international travel is expected. If the above matches your field of interest and your qualifications, please apply online. Applications are handled on an ongoing basis, we do amend or withdraw our jobs and reserve the right to do so at any time, including prior to the advertised closing date. Application deadline is July 1, 2023.