

Mechanical engineer, structure and manufacturing

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 our customer demand. Our innovative solution was selected by TIME Magazine as one of the best global innovations in 2022. See: www.aerominetechologies.com

To deliver a truly competitive product we need to design Aeromine units and systems for commercial scale manufacturing that can withstand the survival wind speed required by regional building design codes. At full volume, Aeromine will compete with solar PV systems on commercial rooftops, so driving lifetime cost down is important, as is unit design that allows for ease of transport, assembly, and installation.

Responsibilities

- Work with vendors and suppliers to identify materials and manufacturing processes
- Design and develop structural Aeromine models and accessories understanding the stresses in the structure
- Cost and manufacturing modeling and projections

Qualifications

- Solid understanding of mechanical structures and materials, including composites and plastics
- Solid understanding of manufacturing processes, design for manufacturing and cost modeling
- Familiar with building structural design, truss works etc.
- B.Sc., M.Sc. or PhD in civil or mechanical engineering
- 5+ years' experience with Solidworks and/or Ansys FEM
- Experience with wind loading analysis is a plus
- Strong ability to analyze complex data with complex inputs

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 June 1, 2023.