Product developer – mechanical engineering

Company description

Winfoor is a startup that develops Triblade, a new revolutionary technology for large scale wind turbine rotor blades that may disrupt the entire wind power industry. The company a spin off from Lund University and behind the company is a multidisciplinary group of researchers from the fields of mathematics, fluid mechanics and structural mechanics. Team members either hold a PhD or a MSc degree and core competences include structural optimization and analysis, CAD modelling, composite materials, and prototyping.

Triblade is a patent pending 3-in-1-blade technology that will reduce both production cost and transport cost dramatically, while allowing rotor blades to be longer, stronger and much lighter than what is possible today. The technology can also play a decisive role in driving the development of next generation of larger, more powerful wind turbines and accelerate the transition to greater use of renewables worldwide. These are game changing improvements that gives Winfoor a unique opportunity on the global wind turbine rotor blade market. For more information, see **www.winfoor.com**.

Job description

We are looking for a talented product developer who is passionate about mechanical design and FE analysis. You will be working in a fast-paced and international environment with a team of people from Sweden, Germany and France. You will have contact with leading experts from the wind industry across Europe and beyond.

As a development engineer at Winfoor, you will develop cutting edge rotor blade technology for the wind power industry. You will take part in all steps from concept generating to final specifications and production. You will perform mechanical design and analysis of Triblade components and assemblies, combined with hands on prototyping and testing. You will work in composite materials such as GFRP and CFRP and design solutions that includes both composites and other materials. This is a great role for an engineering position for a recent university PhD or MSc graduate.

Qualifications

- PhD or MSc in Mechanical Engineering or related technical discipline.
- Previous experience in composite materials (GFRP, CFRP).
- Previous CAD experience preferably Autodesk Inventor, Solidworks or Creo.
- Previous FE analysis experience (Ansys, Abaqus, or Midas).
- Previous programming experience (Matlab, Python, Java, bash or similar).
- Proficiency and knowledge in applying concepts of algebra, geometry, trigonometry, calculus, geometric tolerances, and tolerance analysis in addition to ability to solve and interpret problems, collect data, establish facts, and draw valid conclusions.
- Proven experience to interpret an extensive variety of technical instructions in mathematical or diagram form and deal with several abstracts and/or concrete variables.
- Ability/willingness to do lab work, building and testing prototypes.
- Occasional travel will be required (less than 10%).

Job administration

Location: Åldermansgatan 2, Lund, Sweden.

When: immediately

Duration: permanent position

Schedule: Full time 100%, 40 hours per week.

Contact

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Winfoor