Senior developer – blade 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 an experienced developer who is passionate about blade engineering. 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 blade engineer at Winfoor, you will develop cutting edge rotor blade technology for the wind power industry. You will take part in all steps of the development from concept generating to final specifications and production. You are expected to take initiative, to lead development teams and development projects, to plan R&D activities, and to do own hands on development.

You will work on structural mechanics, fluid mechanics, prototyping and testing. This is a great role for an engineerng position for a university PhD or MSc graduate with some years of working experience from blade engineering.

Requested qualifications

- At least three years' working experience from blade engineering.
- PhD or MSc in Mechanical Engineering or related technical discipline.
- Experience in using CAD and FEM software for blade engineering.
- Experience in modelling and prototyping in composites and mixed materials.
- Experience in leading and planning R&D projects.
- Proficiency and knowledge in applying concepts of algebra, geometry, trigonometry, calculus, and tolerance analysis in addition to ability to solve and interpret problems, collect data, establish facts, and draw valid conclusions.
- Experience in validation of analysis results against other sources, such as test results, data sheets and abstract theories.
- Strong cooperative and accountability mindset.
- Ability/willingness to do lab work, building and testing prototypes.
- Previous programming experience (Matlab, Python, Java, or similar).
- Occasional travel will be required.

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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