



As part of the Simulation & Modeling unit within R&D, we are looking for a:

Senior Wind Turbine Blade Engineer (m/f/d)

Your skills, experience and education:

- Expert in wind turbine loads and controls using aero-elastic tools and international standards
- Working experience in wind turbine blade design, modelling, controls or relevant field
- PhD in mechanical engineering or very good academic records in equivalent STEM education
- Strong computer skills, preferably in Python, MATLAB or Simulink, with experience using databases
- Excellent oral and written communication skills for technical details in English; German or Danish are a plus
- Highly motivated and self-starter personal traits

Your benefits:

- Work for a global engineering company specialized in wind turbine blades
- Develop cutting edge technology & contribute to the society making wind energy more efficient
- Grow within, be challenged by, a highly technical team in an open environment
- Have an attractive, performance-oriented compensation
- Experience an international work environment
- Enjoy a science and data-driven culture

Your tasks:

- Grow in house understanding of rotor blade design, monitoring & aeroelastic behavior
- Model & validate ideas to improve blades' CAPEX & OPEX using full Polytech's spectrum: sensors, materials, etc.
- Act as liaison to other Simulation & Modeling units: Structural Mechanics and Lightning & Electricals
- Act as blade expert for product development and project fulfillment in other business units: Sensors, Materials, Manufacture and Digital
- Present development results in scientific journals, international conferences and committees
- Lead or collaborate with academic institutions in R&D projects, e.g. modelling techniques, experiments in wind tunnels and field measurement campaigns

For further information, reach out to Dr.-Ing. Luis Vera-Tudela, Team Manager, Blade Loads & Control, luis.veratudela@polytech.com

If you are already convinced of a career move, send us your application under: [Link](#)

We are looking forward to meet you!

PolyTech is an industry leading high-tech company with a dynamic culture and highly motivated employees.

We develop and distribute lightning protection systems, blade performance enhancing products and control solutions for wind turbines blades.

Since 2020 fos4X is part of PolyTech, a Danish technology company in the wind energy sector with subsidiaries in China, Mexico and USA as well as in Denmark and Germany.



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