SUZLON
POWERING A GREENER TOMORROW

Founded in India in 1995, Suzlon is today among the globally leading manufacturers of wind turbines. Our wind turbines stand for ecological energy generation and high economic efficiency.
Our corporate communication is open, transparent, respectful and characterised by trust and cooperativeness. Do you want to work flexibly and self-motivated and continue your personal development? If yes, Suzlon is the right employer for you!

Engineer for Advanced Power Electronic Design & Green Fuels (m/f/d)

Ref. 541

Our team in Rostock is looking for a new colleague to shape the future of sustainable energy with a focus on Power Electronic Design and Green Fuels technology.

Your tasks:

- From design to final product: Develop and integrate Power Electronic Components and Green Fuel Technologies into our WTG (Wind Turbine Generator) and their subsystems
- Develop appropriate models, simulations, specifications and appropriate software control routines (including testing, validation and documentation)
- Introduce requirements and advanced control algorithms of Power Electronic System / Electrochemical Systems to Suzlon
- Idea and invention delivery especially for Strategic Patent Applications in the field of Power Electronics as well as Patent Monitoring in general and support for IP-related questions and studies
- Keep up-to-date with the latest trends, advancements, simulations and approaches in Power Electronics and Green Fuels as well as the wind energy /renewable energy sector as such (for example WTG drive-train concepts, Electrolyser technologies etc.)

Your Profile:

- You have a degree (Master/Bachelor/Diploma or PhD) in Electrical Engineering / Advanced Electrochemical Engineering or a related field
- In-depth knowledge of International Grid Codes and Electrotechnical Standards and Guidelines
- Good theoretical and practical experience in:
  - Electrical Design; testing of electrical systems / mechatronic systems / electro-chemical systems & processes
  - Specification of complex Control Systems
  - Failure Analysis and Power-Electronic System-Understanding
  - Software-Project-Management
  - Experience with major simulation tools for steady state and dynamical analysis of electrical systems and networks (Matlab, SigSilent, PSCad, etc.)
- Good (beyond basic) management and research project leader skills
- Willing and competent to drive tasks independently and systematically
- Good written and spoken English is required to effectively communicate with international partners and in our international work environment
- Ready to travel for projects, if needed

You will have the opportunity to drive forward innovative projects in a future-oriented company and contribute to the energy transition. In addition to an attractive salary, we offer you flexible working hours, a flextime account and working from home options. If the above skills and experience suit you, then we look forward to getting to know you. Please send us your application with the **reference number (541) seg_hr@suzlon.com**