



# DESIGN ENGINEER, MECHANICAL MACHINES

- FOR NEW GENERATOR DESIGN DEPARTMENT

Siemens Wind Power is one of the world's leading manufacturers of wind turbines.

With headquarters in Brande in central Jutland, Siemens currently employ over 4,000 people in Denmark.

The company is continuing to expand its strong market position through innovations such as direct drive generators for the next generation of wind turbines.

The corporate culture is characterized by environmental consciousness, a close eye on quality, reliability, innovation and open-mindedness.

Read more at [www.siemens.com/windpower](http://www.siemens.com/windpower)

## SIEMENS

The generator design department located at the global head office in Brande forms a new part of the electrical engineering organization. In general, the engineering organisation in Brande is one of a kind, and among the biggest R&D organisations in Denmark.

You will report to the team leader of the structural design department focusing on new technologies and multiphase/multipole PMSG designs as well as current induction machines, in close cooperation with projects, supply chain and external partners.

The daily work will be characterized by research & development, building knowledge platforms, building network & interface, practical test and progress.

As a mechanical design engineer you own, from A-Z, your designs from concept stage to fully implemented in production, and follow up on experience from market.

You will have the responsibility for selected components and will be working on the structural generator design. You will be part of the generator specialists' team in developing, designing and delivering:

- Overall structural architecture for generators and its integration with turbine/nacelle, together with integrated project teams.
- Specific responsible for design of stator, rotor, magnets and/or terminals.
- FEM analyses of generator structure and sub-parts.
- Cooling design and related thermal analyses.
- Reliability and robustness of design, validation tests and quality.
- Implement knowledge and designs in manufacturing processes, working with suppliers and with purchase department.

Your success criteria will be to create network, internal and external, of associates, experts and specialists and ensure effective partnerships, quality and cost-effective solutions.

You are a Design Engineer and ready to strive for new and ambitious goals. You have extensive experience within mechanical engineering and possess experience with FEM and analytical simulation of complex mechanical structures.

You have a proven track record and strong theoretical skills coupled with a practical approach. The Company language is English and you are fluent in both orally and in writing.

As a person, you can keep an overview in hectic situations. You are a team player and networker with good communication skills. You have already demonstrated the combination of your technological and creative skills, and ability to make results, with your positive and proactive approach. Furthermore, you are self determined and have an independent point of view, and dedicated to all the challenges in the projects from A-Z.

Siemens Wind Power offers exciting challenges and international career opportunities in an innovative, global company at the leading edge of green technology. The working environment is open, inspiring and international, and provides great potentials for personal and professional development.

For further information, please contact us on tel.: +45 75 19 19 38 and send your application and CV to [job@frontpeople.dk](mailto:job@frontpeople.dk) marked.: FEM2210.

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