

Thermal Engineer

At Stiesdal SkyClean we offer the opportunity to make a real difference in the fight against climate change. Our team of creative thinkers are making true impact and joining us could be the most exciting and fulfilling step in your career.

Are you up for the challenge?

We are looking for a Thermal Engineer to join our SkyClean team. You will be part of an interdisciplinary project team, where you will be responsible for the development of thermal models that will be used for the design of the pyrolysis plant of the future. The tasks include measurements and tests in collaboration with our design team. Your role will also be to secure specifications for the purchase of ventilators, sensors, valves, heaters as well as to work with PID diagrams.

The team around you works with mechanical design, thermodynamic calculations, project management, testing and business models.

Your primary tasks will be:

- Thermodynamic modelling of the SkyClean system, including components such as ventilators, pipes, and heat exchangers
- Cold and hot testing of prototype plants and demonstration plants
- Data acquisition and analysis
- Optimization of the pyrolysis process
- Optimization of PID diagrams

Your profile

You have relevant education and solid experience in the field, and you have knowledge about boiler and combustion processes. You are passionate and committed to your job. You must be able to work independently, and it is natural for you to take on responsibility and keep an overview. You thrive in a dynamic environment focused on fast-paced development and innovation.

What we offer

We offer an exciting and varied job, working on a new technology, where you will be an integral part of the Stiesdal team. Our core values are honesty, integrity, and respect for people. We are in the process of creating a workplace with easy workflows and a spirited teamwork and we firmly believe in the fundamental importance of trust, openness, teamwork, and professionalism and pride in what we do.

Working location: Stiesdal's activities are spread over several locations in Give, Aarhus, and Copenhagen. Our SkyClean team has primary place of work in Give, but there will also be an opportunity to work from the office in Aarhus.

About us

Stiesdal SkyClean has developed the SkyClean technology, which enables a significant reduction of agricultural CO₂ emissions both in Denmark and globally. We are currently in the process of manufacturing the first pyrolysis plant on a commercial scale with a capacity of 20 MW.

We are part of Stiesdal, a young and fast-growing climate technology company with activities within floating offshore wind energy, energy storage, Power-to-X hydrogen production, and the capture and storage of CO2 combined with the production of green fuels.
Read more at www.stiesdal.com.

How to apply

If you are interested, please send an application and your CV to jobs@stiesdal.com.

Start date: as soon as possible

Please direct any questions to:
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