

Process 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 a 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 an experienced Process Engineer to join our SkyClean team. You will play a key role in understanding, optimizing and developing the overall process of our pyrolysis plant.

You will be based at our Aarhus or Give office, with plant visits making up 1-2 days of your week. During your onboarding, expect to spend 2-4 days a week at our Vrå plant. Here, you will gain an in-depth understanding of our technology and step into the role of our on-site process specialist. This position offers a unique opportunity to work across various areas of the plant, directly influencing our daily performance and future development.

You will join an interdisciplinary team focused on mechanical design, thermodynamics, testing, and project development, collaborating closely with both operations and engineering.

Your primary tasks will be:

- Monitoring and optimizing the overall process performance of the SkyClean systems (including our pyrolysis technology, biomass dryer, and combustion and steam systems).
- Conducting troubleshooting and root cause analysis across the facility.
- Acquiring and analyzing process data to drive the implementation of improvements.
- Contributing to new process design, development, and scaling of the technology.
- Maintaining and improving process documentation, including P&ID diagrams and HAZOPs.
- Identifying and driving initiatives to maximize operational efficiency, stability, and yield.

Your profile

You hold a relevant engineering degree (such as chemical, process, or energy engineering) and have experience working with industrial process plants. You are comfortable driving both optimization and development, and you naturally take ownership of your work. You thrive working independently and have a proven ability to navigate complex systems.

You bring hands-on experience or solid knowledge in one or more of the following disciplines:

- Thermodynamics and thermal processes
- Electrical engineering; instrumentation and actuators
- Programming; PLC and data analysis
- Mechanical design
- Control theory
- Components; motors and gears, valves, pumps, fans, heat exchangers, etc.

You thrive in a dynamic environment with fast-paced development, everyday changes and enjoy working broadly rather than specializing narrowly. You must be able to work flexibly and be pragmatic in your approach to both tasks and working hours, and you are motivated by being present in the plant.

What we offer

We offer a unique opportunity to step into a broad, highly influential role as our primary Process Engineer. Here, you will have the autonomy to shape both your position and the future development of the plant. You will join a dynamic workplace in the green energy sector, collaborating closely across disciplines while enjoying ample opportunities for continuous professional growth and development.

At SkyClean, you will become part of a close and collaborative team, where we support each other and work together to solve challenges. We value a hands-on and proactive mindset. 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.

Location: Initially, you will be primarily based at our Vrå plant, with occasional visits to our offices in Give or Aarhus. Once the initial optimization phase is complete, your primary workspace will transition to either the Give or Aarhus office.

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 optimizing and maturing 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, 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. We review applications on an ongoing basis and invite candidates for interviews continuously.

Start date: as soon as possible

Please direct any questions to:

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