



Hands-on Electrical Engineer for Scaling Electrochemical Reactors

We are seeking an experienced Electrical Engineer, passionate about driving complex technical tasks and scaling new process technologies, ensuring reliability, safety, and quality.

About Us

At Danish Graphene, we are at the forefront of advanced material science, developing cutting-edge graphene nanomaterials for batteries, space composites, and more. Our mission? To drive the shift towards a sustainable and circular future by using renewable energy in our green electrochemical processes to produce high-quality graphene.

As an Electrical Engineer at Danish Graphene, you will play a lead role in pushing this technology into industry-scale production. You'll contribute to breakthroughs in battery life extension, toxic metal elimination, and enhancements in the strength, durability, and thermal conductivity of composites. Join a team of dedicated engineers and chemists, making a difference.

Why Join Us?

- **Innovative Technology:** Be part of a company shaping the future of the graphene industry and electrochemical reactor technology.
- **Rapid Expansion:** Join us during this exciting phase of growth as we expand both our activities and our talented team.
- **Impactful Role:** Take the lead and help design, plan, and build our industry-scale graphene production.

Job Description

In close collaboration with our team of mechanical and chemical engineers, you will play a key role in the design and construction of electrical systems for our reactors.

Initially, your focus will be on smaller production units and demonstration systems, where you will serve as the primary contributor and technical lead. In the coming two years, your responsibilities will expand to include the development and construction of full-scale reactors and large-scale production facilities. We are looking for someone who can quickly take ownership of their work, drive projects forward, and actively contribute to our ambitious scale-up plans.

You will join a team consisting of a mechanical engineer (Mate Glazer), two chemical engineers (Kristian Birk Buhl and Celine Ballegaard Karlsen), a chemist (Christian Lund Jakobsen), and a laboratory technician (Alberto Balocco). In the coming months, additional team members will be onboarded to support our expanding operations. This team is responsible for the development of our production demonstration line, with the goal of scaling the technology to full commercial capacity within a few years.

Key Responsibilities Include:

- Design and document electrical systems for our reactor setups.



- Assemble and wire control panels and other electrical components.
- Program PLCs or control systems to support reactor functions.
- Conduct testing, troubleshooting, and debugging of electrical systems.
- Ensure compliance with electrical safety standards and internal quality procedures.

What We're Looking For

- Hands-on experience with building and wiring electrical panels and systems.
- Strong background in electrical engineering or electromechanical systems.
- Proficiency in reading and creating electrical schematics.
- Knowledge of industrial components (e.g., PLCs, sensors, actuators, VFDs, relays, contactors, etc.).
- Basic programming skills for PLCs or industrial controllers (e.g., Siemens)
- Familiarity with safety standards and electrical regulations.
- Ability to troubleshoot electrical and control system issues.

Perks and Benefits

- **Dynamic Team:** Collaborate with a highly dynamic group of engineers and material chemists.
- **Career Growth:** Seize the opportunity to become a key player in future company activities as the company is on the verge of scaling the technology.
- **Work Environment:** Enjoy a diverse and innovative work environment with the flexibility to organize work hours in relation to family and commuting.

Apply

Apply now by sending your resume and cover letter to career@danishgraphene.com. Please include "Electrical Engineer, *your name*" in the topic of your email.