

Mechanical Engineer for Scaling Production of Graphene Materials

Danish Graphene, a material tech company, invites experienced mechanical engineers to join our dynamic and innovative team. We are entering the global market and expanding our organization rapidly over the next 3 years. If you want to be part of this journey and have a passion for scaling technology, then this is your opportunity.

About Us

Danish Graphene specializes in manufacture of functional graphene and development of smart carbon nanomaterials for batteries, space composites, and various other applications. The company is at the forefront of graphene innovation, utilizing a green electrochemical process to produce high-quality carbon nanomaterials and functional graphene.

We are committed to creating advanced materials that contribute to the shift from a fossil-based society to a sustainable and circular future. Our mission involves renewable energy-driven processes to produce graphene materials, playing a pivotal role in extending battery life, eliminating toxic metal particles, and enhancing the strength and durability of composites.

As our mechanical engineer you will play a lead role in pushing this technology into industry-scale production. You will 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 engineers and chemists you will play a lead role in designing and building our process equipment. Your work tasks will be focused on upscaling our proprietary reactor technology to ensure safe, reliable, and easy operation. We expect you to rapidly engage and grow your responsibilities to help fulfill our goals.

What We are Looking For

Experienced engineer with a degree in mechanical engineering or related field and hands-on experience bringing things from ideas and design to functional equipment. Several years of industry experience (5+ years) with building and scaling production equipment

- Experience and expertise with industrial grade flow systems or hydraulic systems and instrumentation as per ASME B.31 series of standards.
- Hands-on experience with mechanical design and assembly/installation.
- Experience and expertise with 3D assemblies of systems in connection with relevant document management software (SolidWorks/PDM or NX/Teamcenter).

Key Responsibilities Include:

- Design and construction of flow systems
- Serve as the technical lead responsible for the mechanical domain
- CAD models (SolidWorks)

You will be part of a 5-member engineering team where your expertise in mechanical design and assembly will play a vital role. This team will lead the development of our first commercial production line, with the goal of scaling the technology to full commercial capacity within a few years. In the coming months, additional team members will be hired to support our expanding operations.

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 "Mechanical Engineer, your name" in the topic of your email. For any questions regarding the position write to career@danishgraphene.com.