

Flow Simulation Specialist

Join a great company working with a strong sustainable footprint and maybe even just as strong values.

At Nel, our vision is all about 'Empowering generations with clean energy forever'. Our technology allows people and businesses to make everyday use of hydrogen, the most abundant element in the universe.

We believe simplicity is key. This can be a real challenge when dealing with complex technologies, but we believe being a customer of Nel should be simple, with a complete solution that meets your requirements. We value technology that is easy to operate, has a long lifetime, low cost of ownership, and is hassle-free for the end user. Simplicity is the guiding star in our business and values.

About the position

In this position you will be part of our newly established global corporate technology and work within the field of Fueling Technology in close cooperation with the Fueling Division Product Development. Your workplace can be in Herning, Denmark or Wallingford, USA albeit in a sound global context across functions in corporate technology and other functions globally.

As our new truly passionate and skilled flow simulation specialist you will work on the development of next generation valves for gas distribution systems and compressor heads as well as internal flow and system optimization of the compressor itself.

You build and verify virtual twins to support and improve current system performance. This is most likely driven by your genuine desire and passion for best-practice solutions and challenge the way we work when aiming for the sky in our deliverables to succeed together.

Also, as part of the knowledge you bring into play, you participate in ongoing and new technology and research projects interacting closely with peers from your department and cross functional.

In this, you run feasibility studies and generate innovative ideas for new research and define models to establish and support building the technology roadmap and future requirements.

From a mere scouting and external point of view, this role will further develop and even bring in new cooperation with Universities to anchor and secure we always have state of the art competencies, world-class benchmark and leading knowledge within your area of responsibility.

Overall, we simply expect you to be part of growing our competencies into a cross functional teamwork, which makes us stand out as an expert competence centre.

You bring experience from working with the bigger picture in both research and technology development meaning you effortlessly support building the technology roadmap and defining future requirements to make the ends meet, this is indeed where magic happens and we bring even more value to the world.

We bring in whole colleagues, not limited to hardcore skills, so...

As a person, you are openminded and able to interact with colleagues and other stakeholders being customers, partners and/or suppliers and demonstrate great patience and confidence.

You are result oriented but still hold a strong desire to break existing boundaries and explore new technologies. In other words, we aim not only to deliver on targets, but we do it with a lot of passion and dedication. It's quite okay to have fun and dedication in the way we work.

Wherever you may have worked previously, we are sure you are known for being friendly, outgoing, team-oriented and possess the ability to work with people of various cultural and social backgrounds.

Qualifications

Ideally you hold a master's degree in mechanical or thermal engineering or similar – preferable supplemented with a Ph.D. On top of this we imagine the ideal candidate bring:

- 5-10 years' experience from a technology focused company
- Experience with flow simulation of high pressure / high speed gas flows, multi-phase flows, along with fluid structure interaction.
- Experience with validation of flow models and model assisted system optimization.
- Preferably experience with ANSYS CFD software.
- Experience from an internal company / working abroad will be an advantage.
- You are fluent in English, both in writing and verbal.

Apply

To apply, please send your cover letter and resumé to recruitment@nelhydrogen.com. Feel free to also contact Senior Director Bo Rohde Jensen directly on +4520667034 or by rohde@nelhydrogen.com for further information.

About Nel

Nel is a global, dedicated hydrogen company, delivering optimal solutions to produce, store, and distribute hydrogen from renewable energy. We serve industries, energy, and gas companies with leading hydrogen technology. Our roots date back to 1927, and since then, we have had a proud history of development and continuous improvement of hydrogen technologies. Today, our solutions cover the entire value chain: from hydrogen production technologies to hydrogen fueling stations, enabling industries to transition to green hydrogen, and providing fuel cell electric vehicles with the same fast fueling and long range as fossil-fueled vehicles - without the emissions.