

Open position: Experienced chemical process engineer/researcher specialized on CFD and reaction engineering at NitroCapt AB, Uppsala, Sweden

About NitroCapt

NitroCapt AB is a Sweden-based sustaintech startup that has invented a new affordable, fossil-free chemical process for the production of nitrogen fertilizers. Nitrogen fertilizers account for close to 2% of the world's greenhouse gas emissions and the company's ambition is to reduce this substantially. The invented process has a number of unique properties and may become market-disruptive. The company is listed as a top 10 of Nordic cleantech companies 2021, top 3 of Swedish Foodtech startups 2021 and is well financed. The plan is now to create a high-performance, multidisciplinary team of engineers/researchers that, together with leading research partners around Europe, will develop a pilot plant in a first step and then upscale it to commercial production facilities.

Position Summary

You will be engaged in the development and upscaling of a novel chemical reactor, mainly through modelling and simulation of chemical and physical phenomena in the process. The aim is to design and optimize the reactor to the highest efficiency under challenging physical conditions. You will be a key person in the development of our technology on a short and long term.

The position is at the NitroCapt headquarter at Green Innovation Park on the SLU campus in Uppsala, Sweden. Over the two first years of the position, however, a majority of your working time will be spent at a partner university in Sweden.

What we Offer

- A unique technical challenge that has good chances to literally change the world with a huge impact on industry and global environment
- To be part of a dynamic, purpose-driven, international team
- An innovative entrepreneurial environment with possibilities to set your own and the company's working processes and have a great influence
- To work closely with some of Europe's best researchers and engineers in our fields, in projects coordinated by NitroCapt
- A generous option program, allowing to take part of a future economic growth
- 6 weeks paid vacation per year and other fringe benefits

Qualifications

- You are a highly dedicated chemical process engineer/researcher with excellent innovation and problem solving skills, with a proven record
- We believe that you have at least 5 years of professional background in R&D, from university or industry



- You have significant experience in CFD, chemical reaction engineering and multi-phase flows
- You have a relevant engineering education on at least MSc level, PhD is a merit
- You have both very good team-working skills and skills in independently running your own tasks and investigations connected to the overall goals
- Requirements: Fluency in English. Proficiency in other languages is a merit
- As a person you are enthusiastic, ambitious, initiative-taking, value-driven, flexible and kind
- You have a willingness to travel and to stay for periods in different cities/countries

How to apply

Please send your CV and a Cover Letter explaining how you meet the qualifications. Please send your application or any queries to: [recruitment @ nitrocapt.com](mailto:recruitment@nitrocapt.com)

Deadline

14th of February, 2022