

# Natural Scientist / Engineer for Life Cycle Assessment and Process Simulation

## ABOUT CARBON MINDS

We are a Cologne-based company dealing with sustainability in the chemical and plastics industry. We support companies in oil & gas, chemicals, and tech in their transition to sustainable value creation. To this end, we reveal and analyze the environmental impacts of companies in these sectors and develop strategies to reduce these impacts in a targeted and cost-efficient manner. Our clients already include 3 Fortune Global 500 companies in oil & gas, chemicals and tech, as well as 5 multinationals with more than 5 billion revenue each.

For the 1st of October we are looking for a full-time natural scientist / engineer, to support our core Life Cycle Assessment and Process Simulation team. You will be part of a team of young professional who are striving to revolutionize transparency about the environmental impacts of oil, chemical and plastic supply chains. You can play a major role in transitioning these sectors towards greater sustainability.



## Your Responsibilities

- You'll work in our core Life Cycle Assessment (LCA) and Process Simulation (PS) team.
- In particular, you will be involved in two projects funded by the German government:
  - You will perform the LCA and PS for hydrogen production technologies that are expected to be utilized in the chemical industry.
  - You will be involved in the LCA and PS of chemical products and polyurethanes made from CO<sub>2</sub> which are utilized in the plastics industry, for instance to produce textiles.

- You hold a master's degree in mechanical engineering, chemical engineering, technical chemistry or similar
- Experience in Life Cycle Assessment is a plus but not a must
- Basic experience in Process Simulation as well as Matlab / Python coding is needed
- Ideally you have some experience in linear and non-linear optimization models
- Fluent in English and German
- You are highly motivated to learn and work in an interactive start-up environment You have excellent communication and presentations skills

## Job Requirements



## Your benefits at Carbon Minds

- Flexible working hours / potential for remote working
- Simple and fast personal improvement with a high learning-curve and varying tasks
- We are seeking long-term relationships and opportunities to grow together
- Competitive salary for mechanical engineers, from the start. Based on a fixed salary structure and experience.
- Last but not least: Doing good for the environment!



You can find more information about us on [www.carbon-minds.com](http://www.carbon-minds.com)



Please send at least your CV, a Cover Letter highlighting your motivation for the job, certificates from university degrees and the respective overview of grades to [application@carbon-minds.com](mailto:application@carbon-minds.com). Feel free to attach further documents you think are important.