

Student (f/m/d) Master Thesis – Direct Air Capture (DAC) Engineering – Innovative plant concepts studies

We are seeking a highly motivated Master Thesis Student to join our team and contribute to the development of plant concepts for our Direct Air Capture machines. This is an excellent opportunity for a talented individual to engage in groundbreaking research and make a meaningful impact in the fight against climate change.

RESPONSIBILITIES:

- **Research and Analysis:** Conduct comprehensive literature reviews and analyze existing plant concepts for Direct Air Capture machines. Identify strengths, weaknesses, and areas for improvement.
- **Conceptual Design:** Collaborate with our engineering team to develop innovative plant concepts that enhance the efficiency, scalability, and cost-effectiveness of our Direct Air Capture technology.
- **Simulation and Modeling:** Utilize computer-aided design (CAD) software and simulation tools to model and simulate the performance of different plant concepts. Evaluate key metrics such as energy consumption, capture efficiency, and environmental impact.
- **Documentation and Reporting:** Prepare detailed technical reports and presentations summarizing research findings, design methodologies, and experimental results. Communicate findings to internal stakeholders and contribute to academic publications as appropriate.



**JOIN OUR TEAM
APPLY NOW**

apply@dacma.de

Job ID: S-M202402

REQUIREMENTS:

- Currently enrolled in a Master's program in Mechanical Engineering, Environmental Engineering, or a related field.
- Strong background in design, materials, and process engineering.
- Proficiency in computer-aided design (CAD) software such as Autodesk Inventor or similar.
- Excellent analytical and problem-solving skills, with the ability to think critically and creatively.
- Effective communication skills and the ability to work both independently and as part of a team.
- Passion for sustainability and a keen interest in developing technologies to combat climate change.

Duration and Location: This Master Thesis opportunity is a part-time position with a duration of 6 months. The position is based at our headquarters in Hamburg.

Join us and contribute your expertise to shape a more sustainable future!



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