

Head of LCA Data for Industrial Supply Systems

ELECTRICITY WASTE METALS
CEMENT FUELS



Full time



Start
As soon as possible



Location
Cologne, Germany
(flexible remote/office working possible)

RESPONSIBILITIES

- Build and maintain LCI / PCF data for non-chemical supply systems such as:
 - Electricity and heat generation (regionally resolved)
 - Fuels (gas, coal, biomass, hydrogen)
 - Cement and construction materials
 - Metals and mining (e.g., steel, aluminum)
 - Water, waste, and recycling systems
 - Logistics
- Structure and manage databases that integrate these sectors into the core chemical LCI model.
- Define system boundaries, functional units, and allocation rules aligned with LCA standards (ISO 14040/44, ILCD, EF3.1, PEFORs).
- Collaborate cross-functionally with data scientists, software engineers, and LCA experts to automate updates, improve data pipelines, and support client projects.
- Contribute to publications, white papers, or internal guidelines documenting methodology and data development practices.

YOUR PROFILE

- Education
 - Master or PhD in Environmental Engineering, Mechanical Engineering, Energy Systems, Mining & Metallurgy, or a related field
- Experience
 - 3-5+ years experience in LCA or sustainability data modeling
 - Familiarity with electricity systems, metals, or industrial supply chains
 - Solid understanding of LCA databases
 - Experience working with Python, or LCA software tools
 - Knowledge of LCA methodologies and frameworks (ISO 14040/44, ILCD, EF3.1, PEFORs)
- Skills
 - Strong analytical mindset with attention to methodological detail
 - Ability to translate complex industrial systems into structured data
 - Excellent communication skills in English (German a plus)
 - Self-driven, curious, and ready to work in a fast-paced start-up environment

BENEFITS AT CARBON MINDS

- A high-impact role in a growing and mission-driven company
- Flexible working hours and hybrid home/office setup
- A fast learning curve with cross-functional collaboration
- Competitive salary based on experience
- Opportunity for long-term growth and leadership development
- A role that contributes directly to global climate action

You can find more information about us on www.carbon-minds.com



Please send (as a minimum) your CV, a cover letter highlighting your motivation for the job, certificates from university degrees, if available, and the respective overview of grades to application@carbon-minds.com.
Feel free to attach any further documents you think are important.



ABOUT



Welcome to Carbon Minds. We drive innovation and sustainability in chemical products and actively shape change. We do this by making our customers' environmental impacts transparent using the life cycle assessment method, enabling the transformation to greater sustainability.

Imagine being part of an agile, motivated team that not only provides data, services, and consulting but has a clear goal to mitigate climate change and contribute to society. In doing so, we believe in collaboration, responsibility, and the integrity of our actions. Your ideas are not only heard but needed. The opportunity is here – be part of it as we reinvent the world of chemicals.