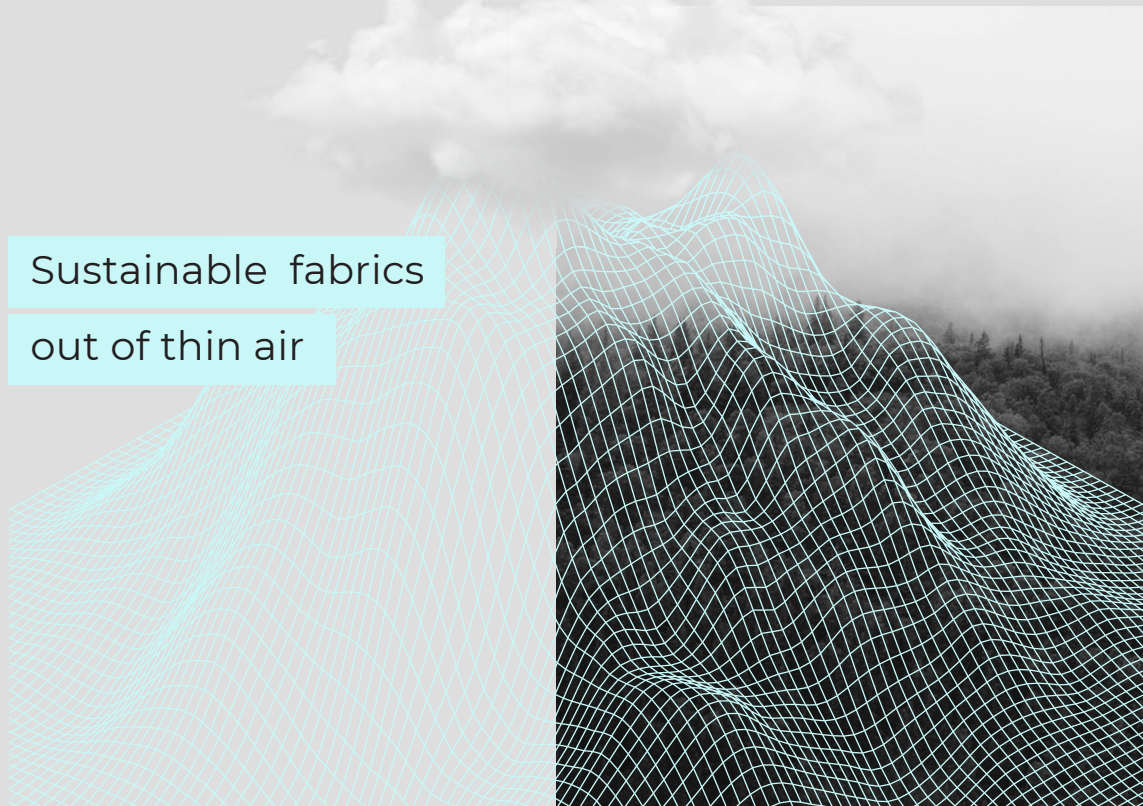




Job offer

## Senior R&D Electrolyzer stack engineer



Sustainable fabrics

out of thin air

 fairbrics

### Are you looking for a job where ...

- the opportunities to pave your own career path and grow are endless;
- you have an opportunity to build things from scratch and have an impact;
- you can work with bright people from across the world in the same lab;
- you can simply be yourself, you are unique!

... If so, you are probably ready to hear more about Fairbrics story...

## **And what if it was possible to make clothes from CO2?**

It is not a dream, this is what we do at Fairbrics! We are building the novel technology to efficiently transform CO2 captured at heavy industry sites into low-carbon polyester fabrics.

## **Are you looking for technology that helps fight climate change?**

Today, polyester is produced from petroleum. Textile industry emits 1.2bln tons of GHG gases into the atmosphere yearly – this is more than all international flights and shipping combined! At Fairbrics, we are on a mission to combat climate change by developing innovative circular manufacturing process, based on the latest developments in catalytic chemistry. Our process uses CO2 as feedstock to manufacture synthetic fibers.

## **Are you looking for a career with ambition and growth?**

Based in France Paris region, Fairbrics already generated traction amongst textile industry market leaders such as H&M and Aigle. We are also backed by top climate tech Venture Capital funds. Fairbrics is expanding its European footprint by building its first-of-a-kind flagship demonstrator facility in Antwerp, Belgium as part of the EU-funded Project.

**If you are still interested in reading, an open role with our start-up may be for you! We are looking for a passionate, resourceful, and rigorous Senior R&D Electrolyzer stack engineer.**

## **About the job**

We are looking for a resourceful mechanical or chemical engineer with relevant industrial experience to join our R&D team and help scale-up our electrolyzer. You will be part of the technology industrialization team and your main tasks will include the following:

- implement and follow safety systems
- set-up and fully equip our Antwerp labs
- help designing and optimizing electrolyzer stacks;
- build electrolyzer stacks and test different configurations;
- organize and lead work with relevant suppliers;
- supervise junior members of the team;
- work closely with electrochemists and chemical engineers to evaluate and solve technical issues to ensure process efficiency;
- benchmark existing technologies and perform technical and economic analysis;
- prepare technical reports and ensure appropriate communication of technical results in line with established channels and processes;

Additionally;

- help setting up and installing catalytic reactors in a brand new laboratory
- support other R&D areas by conducting experiments and revising experimental results
- envisage the scale-up strategy of the technologies for the construction of a pilot and commercial demonstration plant
- overtake clerical duties to help establishing the Fairbrics Belgium branch
- collaborate across various functions and teams

## **What you will do**

- Your first few projects will focus on setting up and starting our new labs in Antwerp
- You will work in collaboration with the Electrochemistry team to develop and optimize an electrolyzer stack
- Support the installation and operation of other R&D areas
- You will be in charge of ensuring the scalability of the electrode preparation and the stack technology
- You will conduct and support experimental runs in a brand new pilot plant
- You will be supported by a diverse team of scientists and engineers throughout the company to develop, optimize, validate, document and tech transfer these processes.

## **Desired profile**

### **Required qualifications**

- Relevant industrial experience
- Proven experience in materials production for battery or fuel cell components;
- Experience with electrical equipment such as laboratory power supplies;
- Familiarity with electrolyzer components, such as bipolar plates, porous transport layers;
- gas diffusion layers, flow fields , and electrochemical devices (fuel cells, electrolyzers, batteries ...)
- Strong analytical skills, problem-solver;
- Able to manage multiple projects, prioritize, and meet deadlines;
- Autonomous, highly motivated and willing to learn;
- Fluent in English.

## **Nice-to-have qualifications**

- Previous experience in scaling-up a technology or ramping-up an industrial product;
- Experience of working in a hazardous environment (workshop, production facility, or plant).

## **Location**

Antwerp (Belgium)

## **Compensation and perks**

- Competitive compensation
- Employee benefits (health insurance, public transport allowance)
- Annual Team building events
- Key role in a dynamic start-up environment