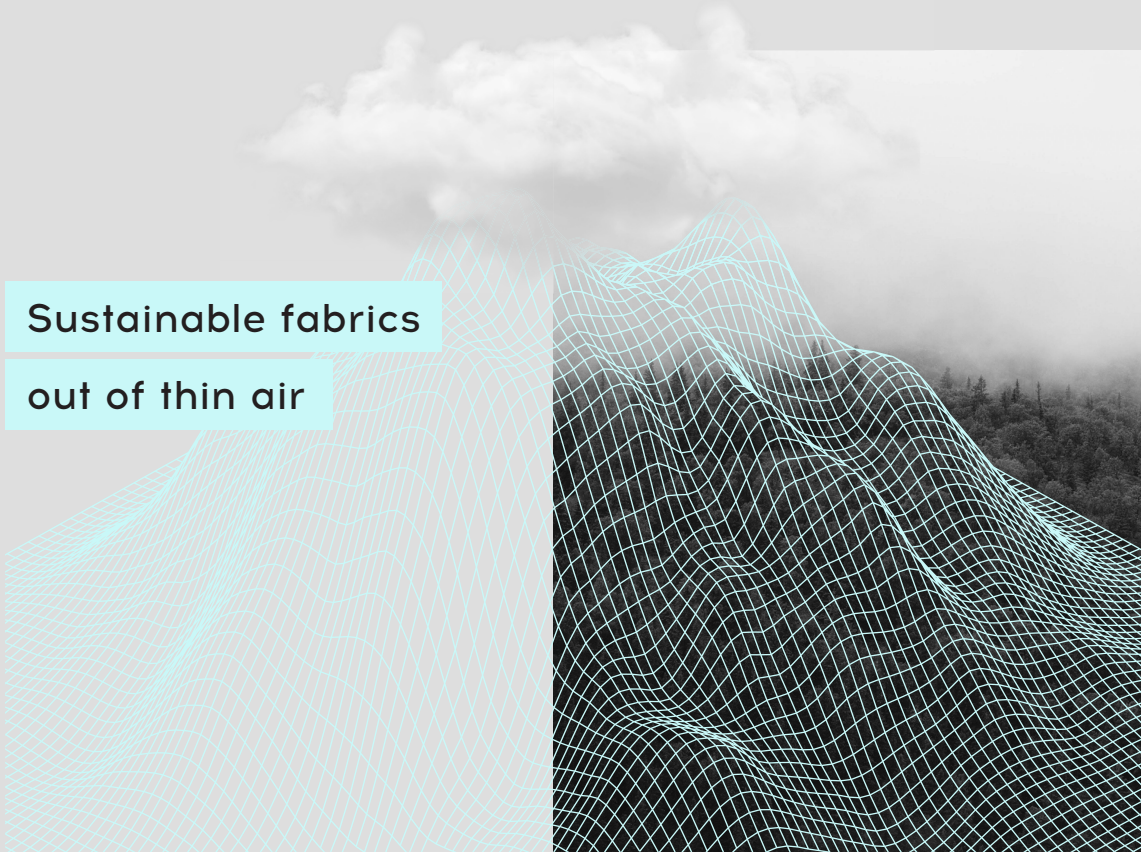




job offer

Sustainable fabrics

out of thin air



 fairbrics

Join us to write the future of green chemistry

We are a fast-growing Deeptech startup with a mission: accelerate the transition to a net zero economy by developing innovative circular manufacturing processes.

Our first target is the fashion industry : it is responsible for 4% of the global emission - more impact than all the flights and maritime transport combined. Moreover, if nothing is done, by 2050, it will have consumed $\frac{1}{4}$ of carbon budget to stay under 1.5° set by the Paris agreements.

Instead of using petroleum-based product and emitting CO₂, our manufacturing process, named AirWear, is using CO₂ as a raw material and green energy to manufacture virgin synthetic

fabrics. We are making possible what was a dream yesterday making sustainable fabrics from thin air.

Based out of Paris Area, Fairbrics has already generated great traction amongst market leaders, and we are building our first industrial pilot. We are backed by top European VC. We are looking for passionate, energetic, and rigorous individuals who want to be a key character of our powerful journey. We value ambition, excellence, and team players.

JOB DESCRIPTION: FLOW CHEMISTRY DEVELOPMENT ENGINEER

We are looking for a resourcefulness engineer to join our development team.

The main responsibilities will be to:

- Translate of chemical reactions from batch to continuous flow
- Develop and demonstration of flow chemistry processes in the laboratory and translation of those processes into commercial scale.
- Transfer flow chemistry processes that are suitable and robust and provide adequate support to pilot plant/kilo lab ensuring delivery within budget and to the schedule assigned for that project
- Support pilot and plant scale activities.
- Act as the technical expert for flow chemistry within the R&D team.
- Keep up to date with new developments within flow chemistry research.
- Publish reports and present results on a regular basis
- Manage multiple projects and deliver in a timely manner

REQUIREMENTS

A MS or PhD in Chemistry or Chemical Engineering with 3+ years in industrial process/flow chemistry is required as well as a strong background in flow chemistry, flow instrumentation design and process automation.

Other desired expertise includes flow-associated analytical and characterization techniques/sensors, multiphase flow (e.g., slug flow) and computational fluid dynamics.

The ideal candidate has the following skills and expertise :

- Experience of Flow Chemistry research, including laboratory scale development and scale-up.
- Demonstrated broad knowledge of flow chemistry and the ability to independently design and optimize scalable and economical processes
- Experience of catalytic transformation of gases
- Design of reactor systems, including recommend materials and components, build and test/validate reactors
- Perform troubleshooting and maintenance of flow reactors and related instruments / components
- Ability to learn new application areas with minimal guidance
- Highly motivated and a team player
- Excellent communication skills
- Ability to work in a fast-paced, rapidly changing environment
- Ability to manage multiple projects, prioritize, and meet deadlines
- Strong organizational skills and attention to detail

Compensation & perks:

- Competitive Salary
- Company Shares
- Private health insurance
- Public transportation participation

Contact Information

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