



Senior Process & Application Engineer

100% (asap)

What we do at UniSieve

UniSieve started as an ETH Zürich spin-off in 2018. Today, we are a cleantech company headquartered in the heart of Zurich with a clear mission:

Decarbonize the Heavy-Emitting Industry via Sieving Membranes

Many sectors need the separation and purification of liquids and gases. Today's state-of-the-art separation consumes over 10% of global energy! The UniSieve solution enables our clients to save up to 90% of this energy, drastically lowering the associated emissions and costs while improving production yields. That significantly contributes to a sustainable future in many industries and is a relevant step toward Net Zero.

The position

UniSieve provides separation solutions to maximize the efficiency of chemical processing, point-source carbon capture, and many other applications. We are looking for an experienced process engineer and project leader to engineer these tailored, high-impact process solutions.

The **Senior Process & Application Engineer** is responsible for delivering our separation solutions from design to implementation at our clients. This includes:

- Plan and execute customer projects with a hands-on approach
- Drive and lead engineering projects of the UniSieve solution together with EPC partners
- Conducting process simulations to derive the most favourable design for our clients
- Flow sheeting (PFD and P&IDs) of the modular separation solution
- Support sales and procurement during contract negotiations
- Design and construction of demonstration units and testing units
- Documentation of demonstration units, including HAZOP analysis
- Organising delivery to the clients, conducting commissioning & monitoring the operation

Your story:

- Advanced degree in chemical engineering, science, technology, or similar.
- At least 7 years of experience in process engineering in the chemical industry.
- Experienced in chemical or refinery flow sheeting (PFD and P&ID), equipment sizing, and capital cost estimation
- Able to conduct detailed techno-economic assessment of R&D projects
- Outstanding project management skills. Ability to anticipate bottlenecks, clarify project priorities, identify risks, and efficiently problem-solve.
- Plus: experience with legal contracts and processes for formalizing partnerships with suppliers and contractors.
- Experience with R&D projects, process development, and/or scale-up is a plus
- Desire to live in Zurich, with a willingness to travel internationally.
- Exceptional communication skills are a necessity, with a high proficiency in English.

Your Mindset:

- Vision driven:** Sharing our Mission, "Decarbonizing Heavy Emitting Industries via Sieving Membranes!" means you will be **working on a sustainable industry future**.
- Solutions-oriented** mindset: believing **every problem is solvable** and using creativity and pragmatism to find solutions.
- Strong ownership:** high awareness of the impact that is within your power of control. **Take the initiative** to meet the ambitions of company targets set.
- Team player**, social, and cheerful nature.

What we offer:

- Impact:** join our cleantech company to make a real difference for a sustainable future
- Team:** be part of our dynamic, diverse, and welcoming team and grow with us.
- Growth:** no boring routine, you will be frequently exposed to exciting challenges,
- Your work counts:** experience the direct progress your contribution adds to UniSieve's mission.
- Place:** central and modern workplace in the heart of Zurich: Binzstrasse 9.
- Fun:** Work hard, play hard. We enjoy doing sports and many team events together.

Are you thrilled to build up UniSieve together with us? We are looking forward to receiving your application and meeting you in person! **Please send your CV to: applications@unisieve.com**