

Open position: R&D engineer

We are looking for an enthusiastic, ambitious and hands-on engineer to join our team and our mission to bring innovative and added-value processes to water treatment and beyond. Our company will grow in the coming years and you could grow with us.

Who are we?

HYDROHM is a cleantech start-up that has the ambition to become the reference in electrochemical water treatment technologies. We develop and commercialize technologies for on-site treatment, that are driven by electricity and avoid dosing of chemical additives. Our current portfolio covers applications in the water sector and in processing of industrial side streams. We are a spin-off company of Ghent University and the MELiSSA program of the European Space Agency. Our team currently consists of 5 staff.

Function description

You will be responsible for a technology development project, where you will work closely with our R&D head and our design engineer for rapid prototyping, adaptation, and optimization. You will work on the integration and optimization of processes including electrochemical systems, crystallization, filtration, and disinfection to maximize efficiency, performance, and cost-effectiveness. Your tasks include:

- Design and calculate technology configurations, and benchmark with state-of-the-art technologies.
- Validate at lab scale through to pilot scale and evaluate the performance under various conditions.
- Analyse test results and data to identify opportunities for improvement and make recommendations for modifications to systems and processes.
- Collaborate with stakeholders, including customers and suppliers, to identify requirements and develop solutions that meet their needs.
- Stay up to date with industry trends, regulations, and guidelines related to water treatment technologies.
- Prepare technical reports, presentations, and other documentation to communicate results, progress, and recommendations to stakeholders.

Who are we looking for?

- You have a relevant engineering degree (chemical/civil/industrial/environmental) and affinity for the water sector. Professional experience in water treatment, technology development or pilot and full-scale testing is a plus.
- Above all you are a problem solver that always thinks ahead and likes to bring solutions into practice.
- You have strong organisation and prioritisation skills; you can multi-task efficiently.
- You value open communication and are a team player.
- You are fluent in English.
- You have strong written and verbal communication skills, with the ability to present technical information to both technical and non-technical audiences.
- You have a driver's license.

The points above form a solid basis, but you make the difference with your drive and ambition.

Our offer

A permanent, full-time position in the dynamic environment of a young start-up. You work on challenging and varying projects, and will grow with the company. You work in a team with an open culture, that values your opinion. The position is based in Nazareth (9810, Belgium). We value a diverse team and can assist international applicants with obtaining a position in Belgium.

Send us your resume and a motivation letter to recruitment@hydrohm.com