

We are looking for support in the department of process engineering, research and development as part of a:

## **Bachelor or Master Thesis (m/f/d):**

### **Water recycling - Operation and process optimization of a multi-stage water treatment plant for the treatment of vapor condensate in the dairy industry**

In view of the scarcity of water resources, efforts to minimize water consumption are increasing in the dairy industry as a major water consumer. The reuse of wastewater/process water represents an essential building block here. EnviroChemie GmbH is part of the joint research project "B-WaterSmart" and is responsible for the construction, operation and optimization of a pilot plant for the water treatment of vapors using biological (MBBR, biofilter), chemical and physical (ultrafiltration and reverse osmosis) processes to a water quality equivalent to drinking water. The pilot plant is located in Edewecht (near Oldenburg).

#### **Your tasks:**

- Supervision of pilot tests for the treatment of vapor condensate
- Execution of analytical work
- Compilation and evaluation of test results
- Process comparison and optimization (biological or chemical-physical)

#### **Your profile:**

- Engineering degree (environmental engineering, bioengineering, process engineering or comparable course of study)
- Independent and conscientious way of working
- Interest in the different processes of wastewater treatment
- Experience with laboratory activities is helpful

#### **Your advantages:**

- Young and dynamic work environment
- Innovative research topic with industry proximity and high practical relevance
- Insights and part of a large European research project
- Different topics possible - remuneration

Temporal: The pilot plant will be operated for 3 years at the site in Edewecht. We are continuously looking for support, starting February 2022.

Please send your **application documents** (cover letter, curriculum vitae, references) to Mr. Georg Robaszkiewicz: [student@envirochemie.com](mailto:student@envirochemie.com) - EnviroChemie GmbH, In den Leppsteinswiesen 9, 64380 Rossdorf