

Water reuse and micropollutants treatment

Master Thesis project

1. About Ozonetech

Ozonetech is an award-winning green-tech company that has offered premium products for air and water treatment through the use of ozone since 1993.

Our unique technology and extensive expertise has made us a rapidly growing global company with installations in six continents. All development and manufacturing is located in Sweden. In addition, we have in-house specialists for consultation, planning, installation and service.

As a “Center of Excellence” within air and water treatment, we also collaborate in international efforts to develop global standards for purification solutions.

At Ozonetech, we have a strong incentive to reduce energy waste, health risks and the impact on the environment. Our current solutions provide a multitude of benefits in the processing and food industry, real estate, commercial kitchens as well as in the retail market. For additional information, visit our website at www.ozonetech.com

2. Project description and Aim

We are heading into several exciting projects to design and deliver turn-key systems for micropollutants (pharmaceutical residues and microplastics) using our core technologies. You will be a part of the crucial start-up phases of the projects, comprising design principles, field work at customers, sampling and analysis, pilot project execution at our facilities. You will investigate the proper design and technology configuration for a full-scale installation based on pilot project. The work will be conducted in the field and at our facilities in Stockholm, Sweden. The projects are strongly related to scientific investigation of removal rates and LCA aspects of the complete design.

This project would include the following:

- Literature review
- Create a research plan according to the time schedule
- Preparation of experimental set-up
- Design of ozone systems for field-implementation

- Experimental tests and sample analysis
- Evaluation of technology combination
- Thesis writing

During your work, you will analyze hands-on problems, providing suitable solutions to improve the water treatment. Therefore, you need to be results oriented, with a mindset oriented to business and being able to work proactively.

3. Personal profile

The project is suitable for one student with the ability to work independently and creatively.

You should have a background in

- Process Engineering, Chemical and Environmental Engineering or related scientific fields
- Have received high university grades
- Business-oriented mind

The interested candidate has the opportunity to work with a strong team of engineers and project sales individuals.

4. Scope

Expected scope: 20 weeks, 30 HP/credits

Expected start: Spring 2020

5. Application

We welcome your application! It must include:

- Cover letter
- CV
- Transcript of university grades

Candidates are encouraged to send in their application as soon as possible. We will interview suitable candidates continuously.

6. Contact

Please send your application by an e-mail with attached documents to

Mahmoud Abbasi, m.abbasi@ozonetech.com

Please note that due to amount of applications, we can only process applicants who fulfil the requirements above.