



WORK OFFER

Ref. No. BE-2020-026UGE

Employer Information

Employer: Trevi nv
Dulle-Grietlaan 17/1

9050 Gentbrugge
Belgium

Website: <https://www.trevi-env.com/en/>
Location of placement: Field work at 20 km from Hasselt; lab work in Ghent or Grobbendonk
Nearest airport: Brussels
Working hours per week: 38.0
Working hours per day: 8.0

Number of employees: 150

Business or products: Environmental engineering

Student Required

General Discipline: 14A-ENGINEERING, Other
14D-MECHANICAL ENGINEERING
40C-CHEMISTRY, MATERIAL SCIENCE, AND
CHEMICAL ENGINEERING

Completed years of study: 3

Field of Study: 14.1401-Environmental/Environmental Health
Engineering.
14.3501-Industrial Engineering.
14.4301-Biochemical Engineering.
14.1901-Mechanical Engineering.
14.0701-Chemical Engineering.

Student status requirements: Student status during the entire internship is necessary: please include a Certificate of Enrollment with your nomination. If you do not have EEA or Swiss nationality, stay is limited to 90 days.

Language required: English Excellent Or
French Excellent Or
Dutch Good

Required Knowledge and Experiences:

Activated sludge process, wastewater treatment, water sampling, water analyses, process control, basic chemistry, separation processes, sensors

Other requirements:

Care for HEALTH and SAFETY, driver's license (valid in EU), good communication skills, autonomy, independent work AND working in a team, care for customer satisfaction, lab skills, hands-on (willing/able to perform basic maintenance/repairs/adaptations using basic tools such as wrench, screwdriver...), not afraid to get hands dirty, good reporting skills, Microsoft Office, well organized, punctual (always on time), accurate, improvisation skills, solving problems
Interview (skype) preferred.

Work Offered

Optimization of a full-scale flotation unit at an industrial wastewater treatment plant

As an environmental engineering company, Trevi helps its customers to continuously and efficiently improve their environmental impact. For one of its customers, a dairy plant near Hasselt, Trevi is investigating how to optimize the removal of FOG (fat, oil, grease) from its wastewater using a flotation unit. For this internship, Trevi will rely on the student to perform the following tasks:

- * Lab-tests with coagulants and flocculants for an optimal and cost-efficient removal of fat from wastewater from a dairy plant.
- * Validation of lab results on a full-scale flotation unit.
- * Investigation of possibilities for sensor-based automation to deal with varying loading rates and incidents.
- * Report of the results.
- * Basic maintenance of full-scale flotation unit

Location: Full-scale testing at a dairy plant near the city of Hasselt; lab-scale testing at Trevi's labs in Ghent or Grobbendonk.

Of course the student will be supported by technical and engineering staff from Trevi, but this work will require a lot of independence.

A car will be provided.

Number of weeks offered: 8 - 25

Working environment: Research and development;Field work

Within the months: 01-MAY-2020 - 01-DEC-2020

Gross pay: 200 EUR / Week

Or within: -

Deduction to be expected: 0

Company closed within: -

Payment method / time of first payment: Bank Transfer /

Latest possible start date:

Accommodation

Canteen at work: No

Expected type of accommodation: Student dormitory

Estimated cost of lodging: 100 EUR / Week

Accommodation will be arranged by: IAESTE will provide lodging in Leuven

Estimated cost of living incl. lodging: 200 EUR / Week

Additional Information

Nomination Information

Deadline for nomination: 15-MAR-2020

Date:

29-JAN-2020

On behalf of receiving country:

Annelies Vermeir