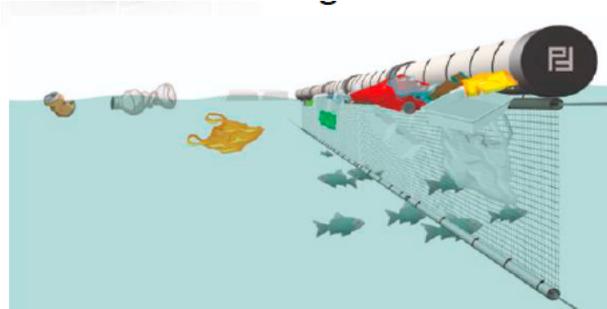


# Intern for building and designing a barrier for waste collection in Sierra Leone

Spring 2023: 3-4 months in Sierra Leone



Increasing amounts of waste at the coast and limited collection options are putting the population and the environment under pressure in Sierra Leone's capital, Freetown. Engineers Without Borders (EWB-DK) has therefore started a project that, with the help of a barrier in the water, will limit the release of waste and collect it for recycling.

In collaboration with the local partner Green Scenery and the local company Finic, EWB-DK is carrying out a project in the capital Freetown, Sierra Leone, which focuses on collecting and recycling plastic waste that is discharged into the sea from the city of millions.

To solve the task of building the barrier, EWB-DK offers an internship to a student who has an interest and knowledge in mechanical engineering and who has the courage to solve the task together with our partners in Sierra Leone. The purpose of the internship is to assist Finic in the work to design, build and test a barrier to collect plastic in the water off the coast of Freetown, which can slow the spread to the Atlantic Ocean and improve the marine environment, as well as gain learning and knowledge about international development work from a technical perspective.

For that work, EWB-DK are looking for an intern who can carry out the following tasks:

- Build and test the barrier for collecting plastic, in collaboration with Finic and Green Scenery.
- Assistance for and training of Finic's employees in reading and designing 2D/3D drawings.
- Training in maintenance and use of the barrier.
- Possibly support for construction site supervision with technical assistance from DK.
- Able to find materials for the barrier that can be found locally.

## Qualifications

- Mechanical engineering student or similar at bachelor's or master's level.
- Can read and make mechanical 2D/3D drawings.
- Be self-driving in Freetown.
- Be the link between Finic and EWB-DK's project group.
- Not afraid to face unexpected situations.
- Fluent in English – both orally and in writing.

- Member of EWB-DK at the beginning of the internship (but not a requirement when submitting the application) and interested in contributing with the gained experience in EWB-DK after the internship.

In addition, it is important that you want to participate in the day-to-day work and pass on your knowledge to Finic.

### Framework for the internship

EWB-DK covers costs for travel and insurance and provides per per diem to cover board and lodging. The internship will consist of preparation in Denmark and three months with Finic in Freetown, Sierra Leone from late February/ early March 2023. As an intern, you will be posted under the guidelines for internships at EWB-DK: <https://iug.dk/praktik>

### How to apply

If you're interested, give us your information in this questionnaire: <https://forms.gle/YzUFyRyQ7gJN1JLDA> and submit your application, CV, and other relevant documentation in one document (in English) to [praktik@iug.dk](mailto:praktik@iug.dk) as soon as possible and no later than December 15th, 2022, at 12 AM. In the subject field you write "Internship lagoon barrier Spring 2023".

You can read more about Engineers Without Borders Denmark on our website [www.iug.dk](http://www.iug.dk). Questions regarding the position, project and your tasks should be directed to Secretary General Dorte Lindegaard Madsen on [dlim@iug.dk](mailto:dlim@iug.dk) or tel. +45 7027 4006

### About Engineers Without Borders-Denmark

IUG is a technical-humanitarian organization of volunteer members with technical skills. We collaborate with local and international aid organizations to improve the living conditions of needy and vulnerable people in poor countries. We ensure local anchoring and lasting solutions, and our efforts support several the UN's Global Goals for sustainable development.

### About Finic

Finic is a private company in Freetown, Sierra Leone, that manufactures small machines and products from, among other things, plastic waste and who will be responsible for constructing and installing the floating barrier.

### About Green Scenery

Green Scenery is a local NGO in Sierra Leone with expertise in the environment, engagement, and mobilization. EWB-DK's central partner in the project, who will ensure the data and knowledge collection, implementation and monitoring as well as create local awareness of the project.

*Engineers Without Borders Denmark wants to promote equality and diversity. We therefore encourage all qualified candidates to apply for the position - regardless of gender, age, ethnic background, religion, disability, or sexual orientation.*