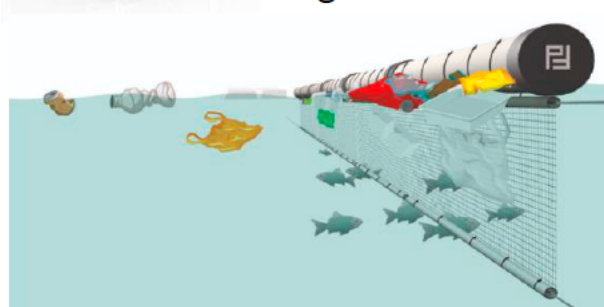


## **Intern for supporting the testing of a barrier for waste collection and a waste management facility in Sierra Leone**

**Fall 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 and a waste management facility, will limit the release of waste and collect it for recycling.

To solve the task of testing the barrier and support the establishment of a waste sorting facility, EWB-DK offers an internship to a student who has an interest and knowledge in mechanical engineering and waste recycling, and who has the courage to solve the task together with our partners in Sierra Leone.

### **About the om project**

In collaboration with the local partner World Hope International Sierra Leone (WHI-SL) and the local volunteer-based community organization Skills Pool (SP), 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.

The purpose of the internship is to assist WHI-SL and SP in the work of testing the waste collecting barrier and to help establish a waste management facility, with an additional focus on how to reuse/recycle especially plastic and make it into a sustainable business. With this internship you will strengthen your technical capacities, as well as gain learning and knowledge about international development work from a technical perspective.

### **Internship assignments**

- Observe and evaluate the performance of the floating waste barrier in the lagoon.
- In collaboration with WHI-SL, study the local capabilities in terms of plastic recycling, when required, take contact with local stakeholders at the community, municipal or state level to confirm official approval and backing of the project.
- Assist WHI-SL in the establishment of a waste collection and sorting facility.
- Possibly support for construction site supervision with technical assistance from DK.
- Assist WHI-SL in the development of a local waste-based value chain.
- Develop a business plan for the recycling of plastics found in the lagoon and on land in collaboration with WHI-SL

### **Qualifications**

- Engineering student at bachelor's or master's level with knowledge and/or experience with

- plastics and business development
- Can read and make mechanical 2D/3D drawings.
- Be self-driving and able to work independently in Freetown.
- Be the link between WHI-SL and EWB-DK's project group.
- Not afraid to face unexpected situations.
- Fluent in English – both orally and in writing.
- 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 WHI-SL and SP.

### Framework for the internship

EWB-DK covers costs for travel and insurance and provides per diem to cover board and lodging. The internship will consist of preparation in Denmark and three months with WHI-SL in Freetown, Sierra Leone. The internship will be from beginning of August 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/Ao2VjyUjBE1CHHbT8> 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 **June 16<sup>th</sup> 2023**, at 12 AM. In the subject field you write "Internship waste project Fall 2023". We expect to hold interviews on June 21<sup>st</sup> - 22<sup>nd</sup>.

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 70274006.

### 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 WHI-SL

WHI-SL is an NGO in Freetown, Sierra Leone, that have many years' experiences in community-based WASH, energy, and protection project. They will be responsible for the day-to-day management of the barrier and the waste management facility. 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.

### About Skills Pool

Skills Pool is a local volunteer-based organization in Freetown, Sierra Leone with expertise in the engagement and mobilization of local communities and especially youth. SP is still a smaller and young organization, but they are well-connected into the local community. They will be supported and supervised by WHI-SL in this 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.*