

## Our vision

Education creates development opportunities - for individuals and society.

We want to improve the living conditions for a school centre and an orphanage on Rusinga Island and support the development of the children, by providing clean water.



Together with the local community, we will give 550 children carefree access to clean water. We aim to adapt behaviours towards their sustainable development, by upgrading the existing but non-functioning water purification system.

## Our way

The new water system will be designed to provide long-term solutions for the school centre and the orphanage and thereby meet local needs and requirements. Through close coordination with our local project partner and the use of local resources, the maintenance of the system can be done independently by the local community.

## Your support

With the help of your donation, we can make the daily lives of 550 children easier by giving them access to potable water. With your support, we can make our vision a reality.

## More information at:

 [www.ewb-karlsruhe.de/island-of-hope](http://www.ewb-karlsruhe.de/island-of-hope)

 [kenia@ewb-karlsruhe.de](mailto:kenia@ewb-karlsruhe.de)

 [www.facebook.com/ewb.karlsruhe](https://www.facebook.com/ewb.karlsruhe)

 [www.instagram.com/ewb.karlsruhe](https://www.instagram.com/ewb.karlsruhe)

# Donate

ENGINEERS WITHOUT BORDERS

BANK: Sparkasse Karlsruhe

REFERENCE: Kenia

IBAN: DE25 6605 0101 0108 0856 55

BIC: KARSDE66



## The association

More than 200 Karlsruhe students volunteer for the Engineers Without Borders association for development cooperation worldwide in their free time. The students use their knowledge and implement projects together.



*Engineers Without Borders -  
Karlsruhe Institute of Technology e.V.  
C/o AstA KIT  
Adenauerring 7  
76131 Karlsruhe*



Registrierte  
Hochschulgruppe

# ISLAND OF HOPE

## Water treatment



# Water Health

# Kenya



ENGINEERS WITHOUT BORDERS KARLSRUHE INSTITUTE OF TECHNOLOGY



## Project Island of Hope

Construction of a water treatment plant

**Initiation:**

July 2019

**Location:**

Rusinga Island, Kenya

**Team size:**

20 members

**Project dimensions:**

~ 10.000 €



Everyday life on Rusinga Island

## The situation

Rusinga Island is a very poor area, characterized by a high number of orphans. Access to food and water is limited for many inhabitants.



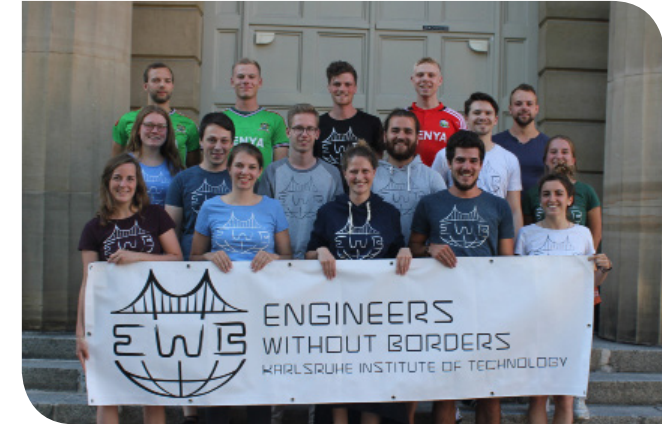
The children in front of their house

Our Kenyan project partner Kennedy Okongo together with the Czech organization Centrum Narovinu have established the Community Center „Island of Hope“. The Center area includes a clinic which is accessible to everybody, a primary school, a secondary school as well as residential buildings for 550 schoolchildren and orphans.

Despite the immediate proximity to Lake Victoria, there is a lack of clean water, as the water of Lake Victoria cannot be used without pre-treatment. Parasites found in the water, mainly caused by human waste, enter the body through the skin and transmit the tropical disease schistosomiasis. We must acknowledge that there is already a system that filters and disinfects the water, however, the water quality remains poor and the system is in a bad condition.

## How we help

For the Community Center „Island of Hope“ we are refurbishing the existing water treatment plant and thus enabling a long-term water supply that makes the



A part of the team

We are 20 students from different disciplines. As a team we are currently working together on a voluntary basis to improve the water supply on Rusinga Island. In the first construction phase we want to build a system that cleans and disinfects reliably the water.

The old system will be used as the basis for the new plant. In the second construction phase, the amount of water pumped through the filter system will greatly be reduced by restructuring the water pipes. This will allow the filter components to be used for a longer period of time. Even after the implementation, we want to make the long-term use and reliable maintenance of the plant possible, by imparting knowledge and involving the local population in the project. The successful implementation of our project will ensure the long-term water supply for 550 children.