

The background features a stylized mountain range. The top portion is a dark green color with several overlapping, semi-transparent mountain peaks. Below this, there is a horizontal band of bright yellow with a fine, dotted texture. The bottom portion of the image is a solid dark green color, mirroring the top section.

M.A.R.C.O.

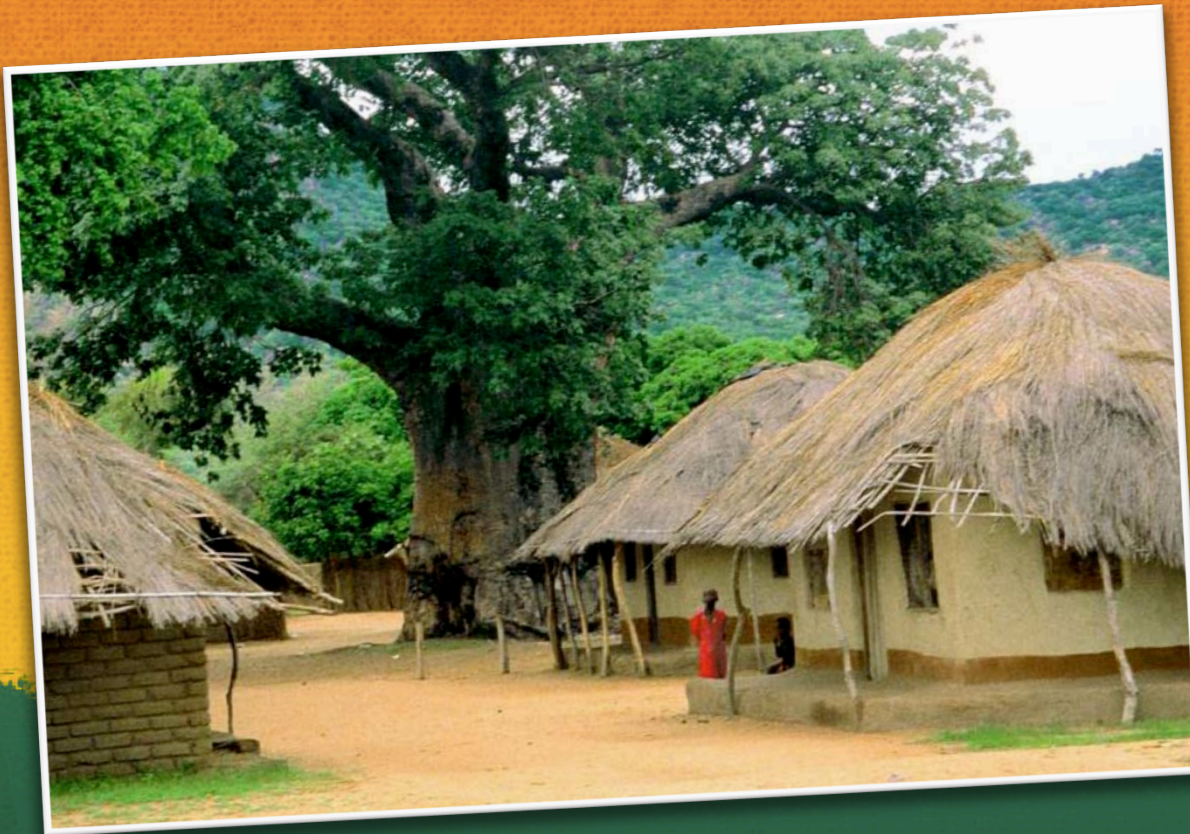
Malawian Rainwater Conservation Organization

Background

People in Malawi do not always have access to clean water daily. There are only two seasons, the rainy season and the dry season. If they do not store water during the rainy season, then they don't have any water for the dry season. Furthermore, without water, not only does dehydration occur, but crop shortages happen due to the drought.



Impoverished rural town in
Malawi during the rainy
season



Malawi Town in the dry
season

Goals

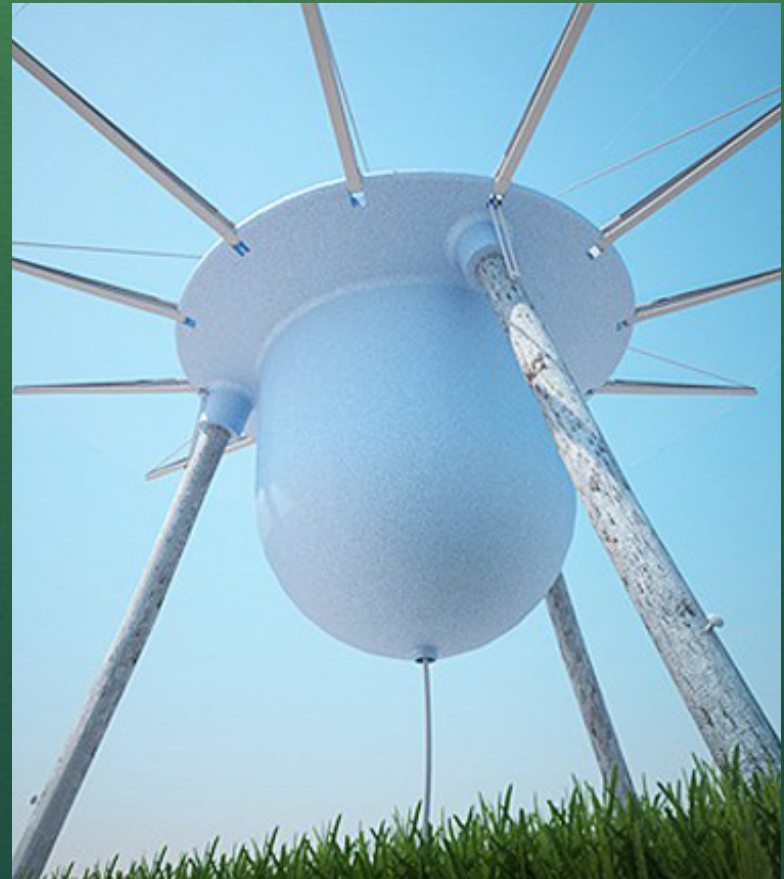
1. Help improve access to water. This will help increase overall health in the location it is installed.
2. Store large amounts of water in a container that may also filter it.

Solution

- Build large rainwater collectors for towns (initially one town) to provide access to clean water for them to use with whatever water concerns needed.

Project

- The rainwater collector will be just under 7 feet wide
- In a similar shape to this (the top is square so it is easier to build)
- It will have triangular pieces of aluminum which go up at angles which funnel towards a pipe in the center which leads a tank to store water
- We estimate that each of these devices will collect about 800 liters of water per month during Malawi's summer



How it will help

- While one of these devices will not be a complete source of water for a town, it will help because water will be stored for a time when there is not as much rain. The water from this device will be much more pure than other water
- It will purify and store large amounts of water.