



# BOREHOLE REHABILITATION PROJECT – UGANDA

The most basic requirement to sustain life is clean water. In many rural and peri-urban communities across Sub-Saharan Africa the struggle to find clean safe drinking water can take a major part of a families resource. Even then water drawn from pools or rivers is often contaminated causing illness and infections. To make the water palatable and safe to drink it needs to be boiled.

By renovating and repairing boreholes in remote villages across Uganda this project helps to restore a safe clean source of drinking water for families. Not having to boil the water to make it safe to use, reduces the amount of firewood consumed and creates a carbon reduction.

### Benefits of the project

The technology behind the co2balance approach is not new, but the process is unique. co2balance developed a programme to find, repair and maintain community boreholes that have fallen into disrepair. The boreholes are restored to full working order and a long term programme to maintain the system on a regular basis and secure the water supply for the local community is put in place.

Once the borehole is in operation it provides clean water without the need to boil it. By monitoring the amount of clean water delivered each day as a result of the maintenance project, the fuel saved by not having to boil water to purify it can be calculated. These fuel savings result in CO<sub>2</sub> emission reductions which, following an independent project audit, are then registered as carbon credits. The resulting funds help repeat the process and enable us to continue to engage with more communities in need, restoring water supplies to a new area.

### Verification of the project

The project will be independently verified by the Gold Standard to ensure that it is a fully compliant as a beneficial carbon offset project and meets the required standards in terms of both carbon reduction and community engagement.

For more information please contact us via  
[www.toshibatec.eu/contact](http://www.toshibatec.eu/contact)

