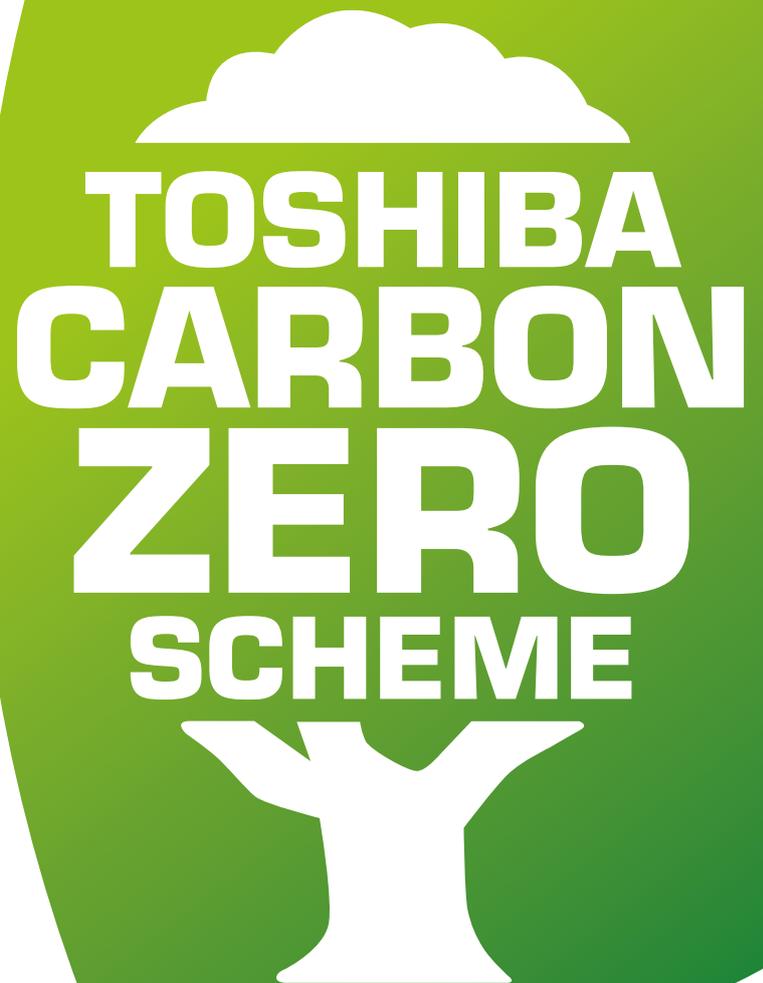


CASE STUDY

Borehole Rehabilitation
Project in Uganda

> The children of the Kole district



THE CHILDREN OF THE KOLE DISTRICT

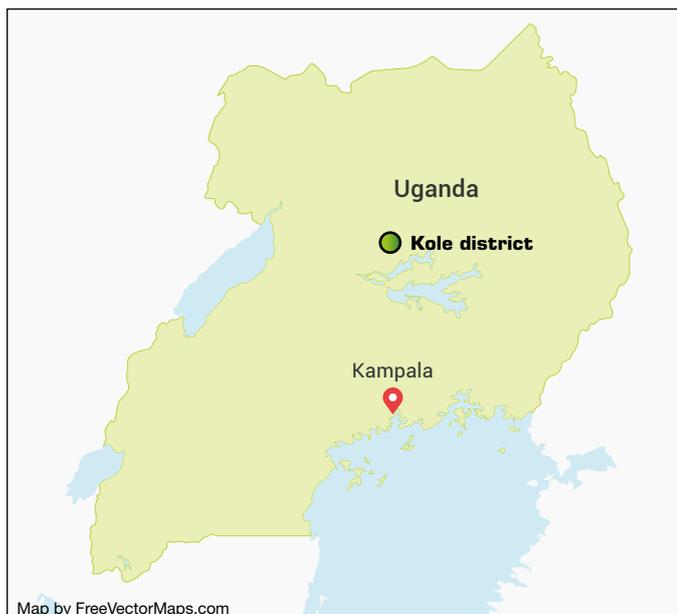
One of the projects the Toshiba Carbon Zero Scheme supports is the Borehole Rehabilitation Project in Uganda. The restoration of clean water in the Kole district has a significant impact on the lives and health of the people.

The borehole rehabilitation project supports local business and engineering teams to repair broken water supplies for communities in developing countries. Unlike some projects that create a onetime activity, this program incentivises the maintenance team to ensure a long term quality repair and maintain maximum availability of the restored supply to the community. The process is monitored on the ground by the CO2balance team and independently verified each year by The Gold Standard.

The impact of this project is profoundly felt by women and children in particular, who are responsible for the daily chore of collecting water. Without a properly maintained supply in the community this can often be really tough, involving long distances away from the village carrying heavy loads.



Children of the Kole district collecting water from a borehole



Pius is a pupil at Abari primary school in the Alempi Parish. His family uses about 180 litres of water a day. He used to fetch water from 2 km away before the repair of the borehole and it would take about 2 hours to do this. Now he collects water from only 150 meters away from his home and it takes much less time.

Tracy, Olivia and their friend Suzan Okello also live within the same area and had to face the daily ordeal of collecting water far away from the safety of home. Often they would leave school during mid afternoon, the two extra hours collecting water would leave them with only the dusk to do their homework. Like much of rural Uganda this is an area without electricity for lighting, and they had little time in a day for reading their school books or playing with their friends. With the borehole repaired and time saved, they can reclaim some of their playtime and hopefully they will be able to do well at school, too.

The beneficial effect of supplying clean water to a community cannot be underestimated. In Eastern Africa the diseases causing diarrhoea, attributed to dirty water, result in the deaths of 1.4 million children annually — more than AIDS, malaria and measles combined (WHO/ UNICEF Joint Monitoring Program [JMP], 2010).

Diarrheal disease accounts for 27 % of deaths in Uganda, and inadequate water and sanitation contributes to 17 % of the disease burden (Prüss-Üstün et al, 2008).

By supporting these projects through carbon finance co2balance clients are helping to prevent disease and support communities to help themselves.



■ A borehole repaired by CO2balance



■ Restauration of a borehole

“With positive printing you help the environment and improve the lives of the people involved.”

About CO2 balance

Established in 2003, CO2balance UK Ltd is a leading, UK based, carbon management provider offering carbon calculation, management and reduction services to leading blue chip companies including, BSKyB, Toshiba and Gaz De France. As a project developer co2balance UK Ltd creates African Gold Standard and CDM projects that focus on social, health and community benefits to the families within the project area, in addition to carbon savings.



To find out more about CO2balance, the CarbonZero stove projects and other carbon management products and services please visit www.co2balance.com

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