

Sustainability Action · Project Water

Restoring water boreholes, Eritrea

Enabling access to clean, safe water for rural communities

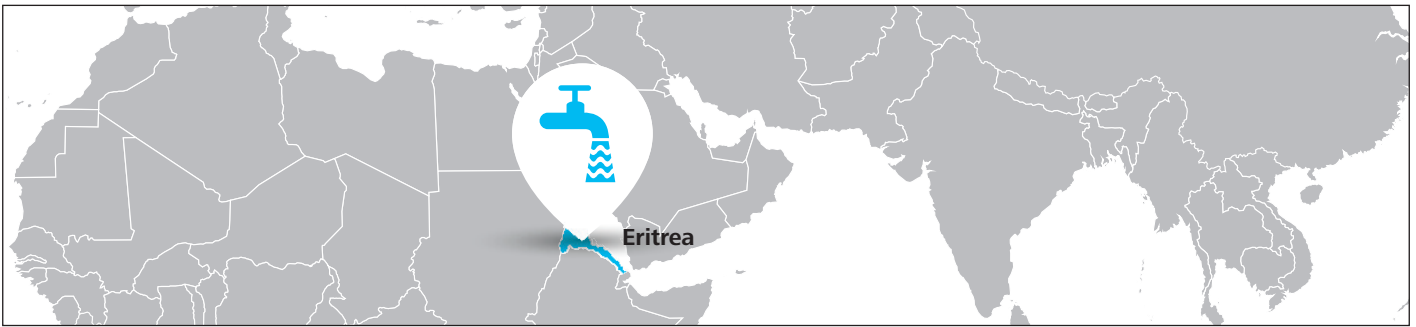
Many rural communities across Sub-Saharan Africa struggle to find clean safe drinking water. Mainly women and children need to cover long distances to collect water which is often contaminated with pollutants and bacteria. The project works with local communities to identify and repair broken boreholes in Eritrea. Families no longer have to boil water to make it drinkable, saving firewood and reducing emissions.

Project

The project is located in the largely rural Zoba Maekel District, within the Central Region of Eritrea. Eritrea is increasingly suffering from extreme climate conditions and is vulnerable to droughts, floods, reduced precipitation, soil erosion, desertification and land degradation.

One third of the Eritrean population lives below the poverty line. Many existing boreholes are owned by community groups and have fallen into disrepair because maintenance programmes have been poorly managed, or proven too expensive. The project identifies broken boreholes and renovates them so that they provide clean, safe water and breakdowns are fixed rapidly. It ensures that households consume less firewood during the water purification process and improves the livelihoods of local communities.

Project Number	Project Type	Project Location	Avoided tCO ₂ e per year	Standard
Project 301 944	Water	Central Region of Eritea	10,000	Gold Standard



Location

The project is located in the mainly rural Zoba Maekel District, within the Central Region of Eritrea.

Project achievements

Socio-economic impact

- Reduction of water-borne diseases and infections.
- With access to safe drinking water, community members no longer have to boil water to make it drinkable. This reduces smoke emissions and improves indoor air quality.
- Households have to spend less time and money collecting firewood.

Environmental impact

- Harvesting wood for domestic cooking and boiling water is one of the main causes of deforestation. A decreased need to collect firewood contributes to reduce pressure on the local vegetation.
- Reduced burning of non-renewable firewood will lead to a reduction of 10,000 t of greenhouse gas emissions per year.

Gold Standard®



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