

KEY NUMBERS

- 194 trained operators
- 56 autonomous village water supply systems equipped with WATA
- 69 health centres equipped with WATA

STAKEHOLDERS

- Client: German cooperation (GIZ)
- General Directorate of Water
- Implementation: Burex-3eA and Watalux SA

LOCATION

11/12 areas of Bénin

DURATION

11.2020 - 12.2021



SUMMARY

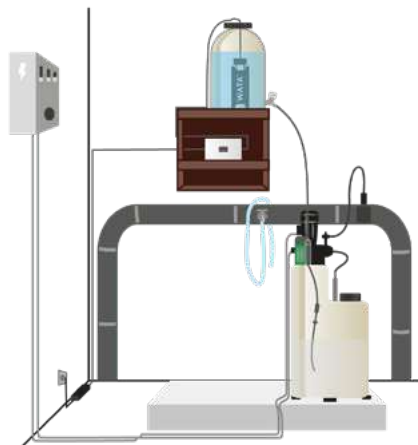
In collaboration with the local authorities (Directorate General for Water), the German development cooperation agency (GIZ) has rehabilitated village water supply systems throughout Benin by equipping them with small water treatment plants. Borehole water is pumped, treated, and then distributed through standpipes located in the village. The WATA system has completed the equipment of 57 water supply stations. The operators have since gained autonomy, as they now produce liquid chlorine for water disinfection on site. Thanks to a dosing pump, the active chlorine is injected directly into the water network. It supplies about ten community fountains for the villagers. The success of the initial project to equip 31 rural water supply launched at the end of 2020 has been taken to scale in 2021. 25 water supplies and 69 health centres have been equipped with WATA for water and surface disinfection for infection prevention and control.

STARTING POINT

A joint study with the first phase of the project (31 sites) was conducted with the Antenna Foundation. It established that chlorine tablets were missing in half of the water supplies mainly for logistical reasons (81%) but also because of their cost (29%). As a result, the water in 60% of the networks was contaminated with faecal bacteria.



WATER TREATMENT DEVICE



RESULTS

The implementation of the project included a diagnostic, installation and training as well as a monitoring and evaluation phase. After 6 months, water quality was sampled at three points. Before chlorination, at the first standpipe in the network and then at the last one. The result of the analysis was that the water was free of bacteriological contamination and therefore potable, with a chlorine residual of ± 0.2 mg/L (national standard between 0.1 and 0.8 mg/L). The satisfaction with this project then led GIZ to trust us to use the technology to improve hospital hygiene.

«Before HTH used to burn our eyes. Now we only need salt, it's much easier and it doesn't sting our skin and nose anymore.»

Zinsou Cosme, Houegbo Aliho village operator

OUR SERVICES



PLANNING AND SIZING



PRODUCTION AND LOGISTICS



IMPLEMENTATION AND TRAINING



MONITORING AND REPORTING



AFTER-SALES SERVICE



WATCH VIDEO

BUREX-3EA

Official representative of WATA in Benin

Burex-3eA managed the installations and the practical training of the operators.

The local presence of the representative is crucial to ensure project's appropriation by the community and to follow up on maintenance and monitoring-evaluation.

PROJECT 1: 31 SITES 2020

DIAGNOSTIC MISSIONS	FACILITIES AND TRAINING	MONITORING AND EVALUATION MISSIONS N°1 AND N°2
FALL 2020	11.2020 12.2020	03.2021 and 05.2021

REPLICATION: 95 SITES 2021

DIAGNOSTIC MISSIONS	FACILITIES AND TRAINING	MONITORING AND EVALUATION MISSIONS N°1 AND N°2
FALL 2021	12.2021	03.2022 and 05.2022