

ADEME



Agence de l'Environnement
et de la Maîtrise de l'Energie

Club ADEME
International



Kenya



Duration of intervention
2019 - 2021



Mobilized workforce
10 people



Total cost
€ 700,000

Thematic



Prestations provided

Services - Engineering/BE -
Equipment supplier/manufacturer



CITYTAPS

Elimination of arrears and reduction of water losses from MAWASCO

CityTaps has developed CTSuite, a turnkey technical and financial solution that allows water operators in developing countries to improve their financial situation, and ultimately serve 100% of urban residents 100% of the time. With CTSuite, subscribers pay for their water consumption as they go, using Mobile Money. The most modest subscribers therefore no longer risk being disconnected (due to unpaid bills) and the water operators finally have a positive cash flow, because they are paid in advance for the consumption by their subscribers. CTSuite can also put into place a schedule of daily repayments of unpaid debts, which have been accumulated by subscribers. Water operators therefore recover these arrears which would have been lost without CTSuite. With an improved financial situation, water operators are solvent and can have access to commercial finance, thus giving them the possibility to expand their networks and improve their services to better serve more subscribers.

This project aims to install the CityTaps solution in Malindi, Kenya, so that 3,000 households (18,000 people) have sustainable access to running water at home.

These subscribers will credit their "water accounts" with the amount of their choice, at any time, with any mobile phone and their access to water will open for just the amount of water equivalent to their top-ups. MAWASCO receives these payments automatically in its bank account. With CTSuite, MAWASCO will also have real-time access to payment and consumption data for its 3,000 subscribers, which means they no longer need to issue invoices, send their team to the field to read the meters each month or manually open and close the valves in the event of non-payment by subscribers, because CTSuite automates all of this.

As part of this project, CityTaps will also install data loggers at the entrance to each sector of the network. With this data in real time, MAWASCO will be able to quickly locate and repair leaks in the network and therefore reduce its percentage of Non-Revenue Water (NRW).

This project is co-financed by a Fonds d'Etude et d'Aide au Secteur Privé (FASEP) of the French government and a leasing contract. As an investor, Untapped Limited, bought the solution from CityTaps and rents the solution to MAWASCO. Like many water utilities, MAWASCO did not have the cash to buy the solution upfront. Part of the financial gain from the solution will be redirected to the investor so that MAWASCO will reimburse it over 18 months, and after this time, MAWASCO will own the solution.

This project therefore brings benefits for everyone: the subscribers (who have sustainable access to running water at home), the water operator (which improves its financial situation and the efficiency of managing its network) and the investor (who can now invest in the water sector and have an impact while reducing their risks).

Benefits for France :

- Sales for French based companies providing services and equipment for export (100% of the budget) ;
- Long-term collaboration and future partnerships between French companies and MAWASCO, beneficiary of the project ;
- Possible new projects in Kenya, with other water companies ;
- Promotion of French expertise, know-how and good practices in the water sector ;

Benefits for Kenya :

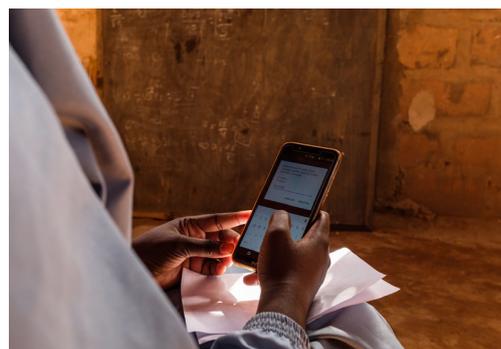
- Return on investment for MAWASCO ;
- Replacement of current water meters ;
- Access to drinking water at-home for local populations ;
- Possibility of attracting new investments for other leasing projects ;
- Improvement of water management for utilities

Environmental impact :

- Direct access to drinking water for the local population ; ;
- Water treatment using solutions that respect the environment ;
- Contribution to the objectives of ODD6, ODD11 and ODD1 ;
- With better leak detection, water resources are preserved



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French partners :



International partners :



With more than 130 members, the Club ADEME International assists the SMEs in its network in the development of innovative projects and international partnerships. The objective is to participate in the dissemination of French knowledge, by supporting the private and public sector in the ecological and energy transition sector in order to meet global environmental and climate challenges.

More information : www.clubinternational.ademe.fr

