



Reliable batteries contribute to better water access

«Tech for good» projects deserve the reliability of Saft's lithium technology

Key benefits for CityTaps

- Water utility has exceeded its ROI objective with an expected lifetime greater than its 10-year target
- High level of technical support for the selection of the ideal power solution
- Proven reliability even in remote and harsh environments
- High quality real-time information on water usage

Features of Saft's power solution

- Estimated 14 year-lifetime thanks to Saft's exclusive mathematical model
- Portfolio of comprehensive and bespoke design solutions
- Wide operating temperature range (- 40°C to + 72°C)
- High pulse capability enabling frequent exchange of information

The challenge: Bringing running water to every home to boost health and dignity.

People living in poverty in the developing world often have irregular incomes. As a result, they cannot make regular payments to water suppliers, and so do not gain the benefits of having a working tap at home.

Recognizing the potential for technology to bring running water to every urban home, French startup CityTaps has created CTSuite which combines the world's only

smart and prepaid water meter (CTMeter) and an integrated software management system (CTCloud) that processes pay-as-you-go payments through mobile money. With CTSuite, subscribers enjoy running water at home and use mobile money to credit their "water balance" - for any amount, at any time, with any phone - automatically opening water access at the CTMeter. CTMeters connect to the Internet and transfer payments in real-time so that utilities can improve their cash flow, balance sheet and can expand coverage to new subscribers.

Realising that success relied on finding the right battery to provide at least 10 years of service in tough urban sites, CityTaps selected M 20 battery solutions.

The solution: Saft's M batteries

Saft's M Li-MnO₂ batteries provide a wide range of current capabilities over an extended operating life. This gives them the ability to supply a few microamperes to support constant monitoring, as well as pulses of several Amperes to power wireless communication.

“*Because Saft has given us confidence that we can power the meters for at least 10 years, utilities in Asia, Africa and South America can be certain of their ROI. As a result, people living in poverty will escape from the daily grind and cost of collecting water.*”

Grégoire Landel, Founder of CityTaps



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