



Sabesp deploys Latin America's largest IoT project with 100,000 smart water meters across São Paulo, connected to the WND Brasil 0G Network

The Challenge

As one of Brazil's leading water supply companies, Sabesp needed a way to collect timely data on water consumption across 367 cities, faster and more reliably than with manual water meter readings.

The Solution

Sabesp chose the Metrolink Consortium to design, build, and manage an IoT-enabled smart water meter solution. The solution is connected to the WND Brasil 0G Network and automates water meter readings with 24x7 remote monitoring.

The Results

Sabesp's smart water meter solution lets the company:

- **Remotely measure** water usage 24x7
- Improve operations **with fast, reliable insights** to water consumption
- **Rapidly detect** water leaks, theft, and waste
- **Improve** billing accuracy
- **Save time and money** by removing most manual meter readings
- Help customers **reduce water use**

Network Operator



WND Brasil operates Brazil's national public 0G Network dedicated to the IoT, powered by Sigfox technology. The company runs 0G network coverage for more than 360 cities and over 120 million citizens. For information on WND Brasil visit their website. www.wndgroup.io

Solution Partner



The Metrolink Consortium, composed of Laager Tecnologias Sustentáveis, experts in sustainable technology solutions, and Vita Ambiental, specialist providers of engineering services for sanitation companies, delivered Sabesp's smart water meter project. www.laager.com.br
vitaambientalengenharia.com.br

Customer



Sabesp is Brazil's primary water supplier and the largest sanitation company in the Americas, and the fourth largest in the world. www.sabesp.com.br

water-link Eliminates Manual Meter Reading and Reduces Leakage with Hydroko's 0G Enabled Smart Meters and Valves

The Challenge

Like all water utilities water-link, which serves more than 640,000 customers in Antwerp, faces challenges to get accurate and timely data on water consumption when meters are read manually, and to detect leaks. But it has another challenge. It is required to turn off the water supply and read the meter whenever a residential customer leaves a property, then turn it on when a new occupant moves in. And Antwerp has a high residential turnover rate.

The Solution

water-link selected Belgian company Hydroko to develop smart meters and smart valves that communicate over Belgium's Sigfox-powered 0G Network operated by ENGIE M2M.

This enables meters to be read every day, water to be turned on and off remotely, leaks and reverse-flow to be detected, and supply to be restricted in response to non-payment of bills or general water scarcity caused by long periods of drought.

The Results

water-link has deployed 190,000 smart meters and valves, connecting all residential households in Antwerp:

- Increased billed water usage by 2%
- Detected 4,000 leaks and 375 backflow incidents
- Reduced water consumption for 18% of customers
- Real-time online access to consumption information for all residential customers.

0G Network Operator



ENGIE M2M is the exclusive Sigfox 0G Network Operator in Belgium, and offers a wide range of IoT solutions. With coverage of 99 percent of Belgium, it is the country's first national IoT network. www.engiem2m.be

Solution Partner



Hydroko develops and manufactures innovative valves and other custom-made smart solutions for water companies. Hydroko teamed up with leading Danish smart meter manufacturer, Kamstrup. www.en.hydroko.com

Customer



water-link is a Belgian water company serving over 640,000 customers in Antwerp with a focus on customer service providing reliable water supply in the easiest way possible. www.water-link.be



Digitalizing water management with IoT, Igua Saneamento and WND Brasil partner to deploy 120,000 smart water meters connected to the 0G Network

The Challenge

Serving over six and a half million Brazilian customers in urban areas with water collection, sewerage treatment, drinking water supply, disposal and water purification services, Igua Saneamento needed an efficient, reliable solution to read water meters better, detect leaks and non-revenue water, and improve customer services.

The Solution

Igua partnered with WND Brasil to digitalize water meter reading with an IoT-enabled solution connected to the 0G Network that remotely monitors water usage and flows across its distribution network 24/7

The Results

The efficiency and accuracy of its smart water meter solution enabled Igua to:

- Strengthen customer service with better **billing** and **consumption visibility**
- Rapidly identify **fraud, leaks and non-revenue water** situations
- Improve **non-payment controls**
- Boost **revenues** by up to **10%**
- Develop **new value-added services**

Network Operator



WND Brasil operates Brazil's national public 0G Network dedicated to the IoT, powered by Sigfox technology. The company runs 0G network coverage for more than 360 cities and over 120 million citizens. For information on WND Brasil visit their website. www.wndgroup.io

Solution Partner



Leading end-to-end AMI (Advanced Metering Infrastructure) solution provider, KAIFA offers a broad range of cost competitive metering solutions for utility business digitalization, with over 84 million on-site smart devices serving more than 80 utilities in 40 countries.

Customer



Established in 2017, Igua is committed to becoming the best sanitation company for Brazil and helping the country achieve universal access to water and sewage services, with services available in 39 municipalities in six states. <https://igua.com.br/>



SOGEDO and UnaBiz partner to improve water management in France

The Challenge

In 2016 SOGEDO launched a smart water metering project to improve water conservation and consumption management. To improve existing services, and offer new value-added services, to its rapidly growing subscriber base SOGEDO needed a robust metering solution to scale and further digitalize management of its water network.

The Solution

Partnering with UnaBiz, SOGEDO will deploy a range of sophisticated IoT metering solutions, including smart water meters, water consumption sensors, pressure sensors, and condition monitoring sensors, connected to the 0G Network.

The Results

SOGEDO's smart water meter solution has already helped the company:

- achieve water savings of over 90,000 m³
- enhance leak detection
- improve drinking water yield.

The new solution enables:

- efficient water management.
- accurate, timely invoicing
- global data-driven insights into water consumption
- preventative maintenance to reduce service disruption

0G Network



Owned by UnaBiz, Sigfox technology runs the 0G network. The 0G Network, available in 70+ countries, is a global, low-power, long-range network enabling massive IoT, designed for low-cost, low-energy device connectivity. www.sigfox.com/

Solution Partner



UnaBiz is a proven global Massive IoT service provider & integrator specialising in solution design, manufacturing, connectivity, and data platform services using low-power wide-area technologies such as Sigfox 0G, LTE-M, NB-IoT, and LoRa, to power sustainable business growth. www.unabiz.com/

Customer



SOGEDO is France's leading independent water distributor, dedicated to delivering drinking water and sanitation services from more than 20 operating centres nationwide. sogedo.fr/