



Miya optimizes water supply in urban water systems worldwide, partnering with utilities to tackle the issue of inefficient water supply networks, designing and implementing comprehensive technology-based solutions tailored to each particular city's budget, needs and priorities.

Miya's solution significantly improves clients' financial and operational efficiency, while also enhancing customer service levels, reducing energy consumption, and lowering contamination and health risks, to benefit people, the community and the environment.



The Challenge

More than a third of the world's drinking water is lost from urban water supply systems, mainly due to undetected underground leaks and mismanagement, costing us over US\$18 billion a year.

The Solution

The most sustainable and cost-effective way to alleviate such losses is to improve the efficiency of urban water distribution systems by effective water loss management. Miya partners with utilities to significantly reduce both physical and commercial losses, the two main components of non-revenue water (NRW). Miya's four-stage holistic solution includes an audit and analysis of a city's water system, project planning strategy and financing, implementation, training, knowledge transfer and maintenance.

The Benefits

Miya's projects have proven to save water, improve the utility's financial situation, improve customer service levels, create local jobs, reduce energy consumption and lower contamination and health risks.



"Several solutions were tried over the years using internal and external resources. Nothing made our network more efficient, because every action had its benefits and consequences. We finally determined that only an integrated, comprehensive approach, like Miya's, that encompasses all aspects of network efficiency could solve the problems."

Glen Laville
General Manager,
The Bahamas Water &
Sewerage Corp.

The Experience

Miya has conducted over 150 successful water efficiency projects around the world, significantly reducing water losses and improving utilities' financial indicators. The global group of Miya companies includes leading water efficiency technology and engineering consulting companies, as the map below shows.



Manila, Philippines (2009-2014)

- ◆ Over 600 million liters of water were saved daily; NRW reduced from 67% to 38.4%
- ◆ 2.6 million additional people connected to the water network
- ◆ More than 450 jobs were created for trained and certified local engineers
- ◆ The utility increased its income threefold

Sebokeng, South Africa (2005-2010)

- ◆ Savings of 50 million m³, which translates to more than US\$20 million
- ◆ Saved Energy → 12,000 tons fewer CO₂ emissions annually

Itapevi, Brazil (2006-2007)

- ◆ NRW reduced by more than half (from 753 to 272 Liters/connection/day)
- ◆ Improved water services; water supplied 24/7 to all residents
- ◆ Overall ROI achieved within 17 months

York Region, Canada (1998-2006)

- ◆ Total water loss reduction achieved was 156% of the project target
- ◆ Saved Energy → 263,000 kg fewer CO₂ emissions annually

New Providence, Bahamas (2012-2022)

- ◆ 10-year comprehensive project to reduce losses by 4 million imperial gallons per day
- ◆ 24/7 water service achieved in first year
- ◆ Dozens of Bahamians working in the program in its first year
- ◆ Water efficiency education program for 5th grade students