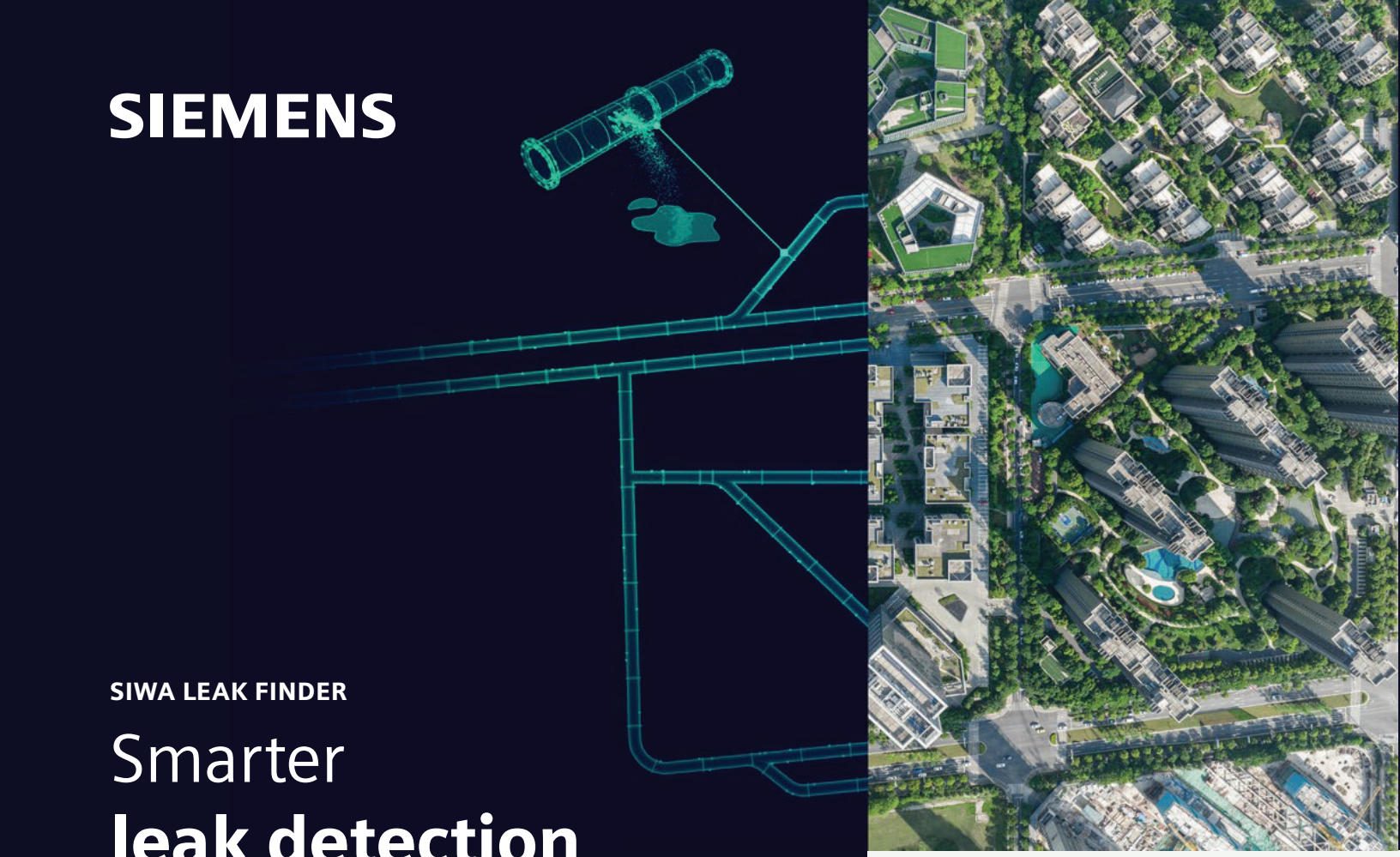
SIEMENS



SIWA LEAK FINDER

Smarter **leak detection**

Combining artificial intelligence and hydraulic modeling helps cut non-revenue water by up to 50%.

Simple, secure and intelligent integration of data and sensors to reduce your non-revenue water

Water loss in distribution networks is a global challenge: around 30% of the world's drinking water is lost on its way to the consumer. The consequences: **economic losses** for suppliers, additional **pressure on water resources**, an unnecessarily large **CO_2 footprint**, and ultimately **higher costs** for consumers. The good news: intelligent leak detection solutions help reduce the amount of non-revenue water by up to 50%, saving money and resources.

Designed for water: SIWA Leak Finder

SIWA Leak Finder offers:

- Greater operational efficiency thanks to fast and targeted elimination of leaks
- Lower CAPEX due to sensor investment optimization
- Easy and secure installation and operation

SIWA Leak Finder is part of the **Siemens Water (SIWA) portfolio of applications** that help water and wastewater utilities optimize their processes and operations.

The solution for intelligent leak detection

Smart leak detection with SIWA Leak Finder makes the most of your existing investment in sensors and hydraulic models to take you to the next level of non-revenue water reduction in your drinking water network.

Typically deployed with a <36 month ROI, SIWA Leak Finder is a cloud-based application that uses artificial intelligence to analyze real-time flow data and hydraulic models to identify and localize leaks.

SIWA Leak Finder works with any flow meter, but Siemens Mag8000-4G flow meters are designed to integrate easily with SIWA Leak Finder without requiring expert support or knowledge.

A **Sensor Positioning Report** employs artificial intelligence to recommend the optimal number and position of flow meters for increasingly accurate localization of leaks.
In operation sensor health is managed to rapidly identify maintenance needs.

Depending on your needs, the application can be used in two versions: Standard and Advanced. The versions offer equivalent leak detection with the Advanced version also using hydraulic models to localize leakages more accurately within a District Metered Area (DMA).

For utilities where DMAs have not been implemented or with large DMAs (> 20 km pipe length) the Advanced version supports creation of virtual DMAs to avoid cost and operational disruption.

Another option is the Asset Management add-on for management of repair tasks and determining optimal investment plans for pipe replacement based on condition and criticality.

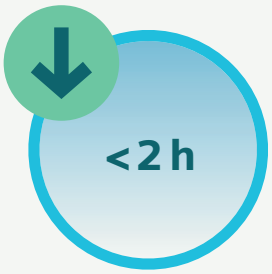
The Network Twin add-on improves operational resilience by enabling simulation of user defined operational scenarios to test and understand performance.

Visible results for greater efficiency and sustainability

With SIWA Leak Finder you can detect leaks more quickly and accurately so your maintenance teams spend more time in the right location on points of interest that really matter.

Locate leaks to
within 656 feet

Combing flow data and hydraulic modeling shows which pipe is responsible for the leak. We can help you optimize placement of additional meters so leaks can be pinpointed with even greater accuracy.



Get your data
in less than 2 hours

Any flow meter can be used, but deploying Siemens Mag8000-4G flow meters offers in automated integration to the application and data appears in Leak Finder within 2 hours of a new flow meter install.

Find even the smallest leaks of well
under 1 gallon per second

Small leaks cause disproportionately high costs because they are very difficult to find. Not just identifying the leak in the DMA but targeting to a specific branch and location helps team find and fix cost-effectively.

Legal Manufacturer
Siemens Industry, Inc.
100 Technology Drive
Alpharetta, GA 30005
United States of America
Telephone: +1 (800) 365-8766
usa.siemens.com/pi
Order No.: PIFL-00000-0324