



SIEMENS
Ingenuity for life

SIWA LeakPlus

powered by BuntPlanet

Reducing water losses in water distribution networks with the help of artificial intelligence

The smart way to reduce leaks

With aging infrastructure, growing urbanization, and rising costs, it is becoming increasingly important in the water industry to prevent the loss of expensively treated water. In complex water distribution systems, the search for leaks can be very time consuming. Artificial intelligence based on sensor data can help to significantly reduce that valuable time. Analyzing the growing volume of data around the clock requires a correspondingly powerful solution.

Siemens Industry Suite – smart apps for the water and waste water industry

Applications and digital services from the Siemens Industry Suite for the water industry ensure greater transparency, and thus identify potential for greater efficiency and savings and ensure a high level of supply security. With the Siemens Water (SIWA) applications developed especially for the water and waste water industry, operators can optimize energy efficiency, avoid water losses, prevent flooding, and take preventive maintenance measures, among other things.

The solution: Intelligent data analysis with SIWA LeakPlus

SIWA LeakPlus is a cloud-based application that operators can use to detect leaks in pipeline networks fully automatically and with minimal effort. SIWA LeakPlus combines real-time monitoring, cloud computing, artificial intelligence, and hydraulic simulations into an innovative complete solution for water distribution networks. This solution allows data from different sensors to be recorded and analyzed in order to detect anomalies that indicate leaks. This makes it possible to detect, locate, and repair leaks at an early stage.

SIWA LeakPlus is suitable for water distribution systems with pipes of any diameter and material as well as for measuring zones of different sizes, referred to as District Metered Areas (DMA). Our solution works in noisy environments, in any weather conditions, and supports both sectorized and open systems. The application can be adapted to your needs and is available in three versions: Lite, Standard, and Advanced.

The benefits of SIWA LeakPlus



SIWA LeakPlus supports operators of water distribution networks by reducing leakage rates by as much as 50% because it takes significantly less time to detect and locate leaks.



Prevention of consequential damage thanks to early detection



High accuracy in the determination of leak sizes and localization help support the planning of rehabilitation measures



Suitable for all pipe materials and diameters as well as all systems (with and without DMA)

Subject to changes and errors. The information given in this document only contains general descriptions and/or performance features which may not always specifically reflect those described, or which may undergo modification in the course of further development of the products. The requested performance features are binding only when they are expressly agreed upon in the concluded contract.

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