

The Siemens logo is displayed in a white box in the upper right corner of the image. The background features a 3D visualization of a pipe with a leak, overlaid with a digital interface showing monitoring data and event logs.

SIWA Leak

Detecting leaks in real time

Leaks jeopardize profitability

The performance and profitability of water transport systems largely depend upon water being transported with as little loss as possible. Leaks in pipelines not only mean a loss of drinking water that has been purified at high cost, but also a potential economic loss caused by possible consequential damage, especially due to the undermining of buildings. That's why the goal is to detect and locate leaks in transport pipelines.

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

Applications and digital services from the Siemens Industry Suite for the water and waste 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: SIWA Leak for water pipelines

SIWA Leak is an application from the Siemens Industry Suite for the water and waste water industry. With SIWA Leak, Siemens offers a system for recording both large as well as creeping leaks in water pipelines. As a supplement to existing control and automation systems, SIWA Leak provides operating personnel with continuous information about the status of the water pipeline. In the event of a leak, this information provides a precise basis for making decisions and taking the right countermeasures.

Permanent monitoring makes it possible to detect leaks in real time and thus reduce the leakage time relevant to the profitability of the water supply.

The benefits of SIWA Leak



SIWA Leak uses permanent monitoring to support the operators of water transport systems in reducing leakage times



Reduction of consequential damage, such as the undermining of foundations and roads



Increased efficiency and reduced costs in plant operation and plant maintenance

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