



PIPELINE MONITORING: EVERY METER, EVERY MINUTE

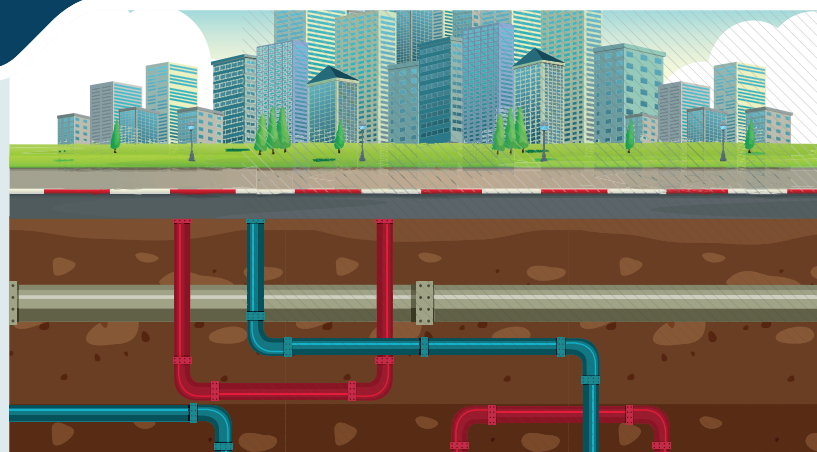
WE ENSURE THE INTEGRITY OF YOUR PIPELINE IN REAL TIME

ABOUT DALI

Instantly **locate leaks and intrusions** in liquids, gas and steam pipelines for utilities and industry.

DALI is a **revolutionary pipeline monitoring system** that helps reduce losses from NRW (Non Revenue Water), waste and incidents. It is designed to help utility and industry asset managers **save money** and lead their businesses into a more **sustainable future**.

Unlike existing monitoring systems, DALI uses **Distributed Acoustic Sensing (DAS)** technology to automatically pinpoint the **exact location of leaks and intrusions** around the clock, allowing timely interventions and smarter asset management.



Wim Jacobs, Innovation Manager Farys

“DALI has a high potential to detect leaks and intrusions in our transport pipeline network in real time and at affordable cost.”





Rapid installation



24/7 monitoring



Locate leaks with 10 m accuracy



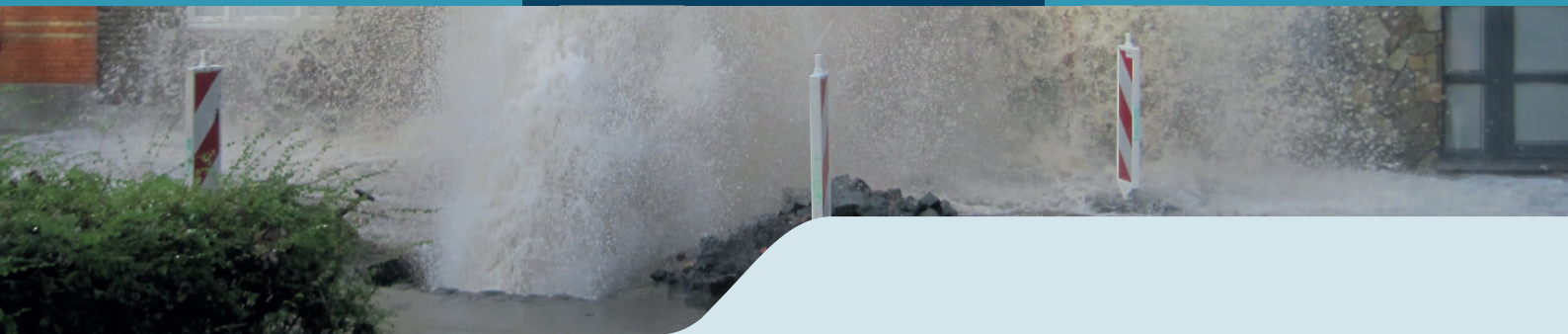
Reduce NRW and incident risk



Improve asset reliability and extend lifetime



Automatic alerts



RETURN ON INVESTMENT

Installation and operation costs for the DALI system depend on specific pipeline characteristics such as length and pipeline material. However, a typical DALI installation **costs less than 1% of a full pipeline replacement**, while extending the lifetime of the existing pipeline by many years, reducing Non-Revenue Water (NRW) loss, and giving you full peace of mind about the condition of your assets.

THE SYSTEM

HOW DOES IT WORK?

1. Fiber optic cable is inserted in the pipeline

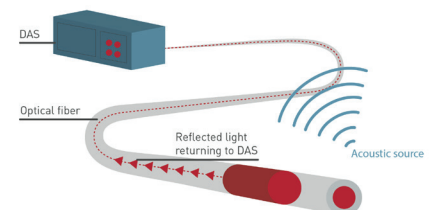
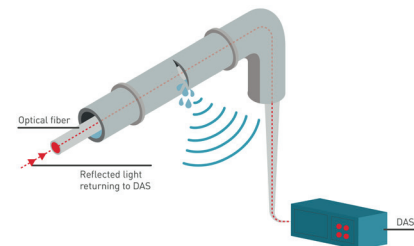
Durable microduct certified for use in drinking water. Custom hot taps allow installation in pressurized pipes. Fibers can also double as communication channel with valves and other sensors.

2. The Distributed Acoustic Sensor (DAS) is connected

Every minute a measurement over several years.

3. 24/7 monitoring and automatic alerts:

Alerts are automatically sent via e-mail, SMS or SCADA and visualised on a dashboard. Long-term monitoring results are summarized to support your maintenance strategy. The system can also be installed temporarily for periodic or one-off incident detection.



FLUVES

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CURIOUS ABOUT WHAT DALI CAN DO FOR YOUR COMPANY?

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DALI was developed as a partnership of Fluves and Vigotec, combining their expertise in fiber optic sensing and pipeline systems.