

# Don't let leaking profits drain you

**Water is precious.** Let's work to protect water resources and infrastructure with purpose-built technology that helps mitigate water leakage and saves your bottom line.

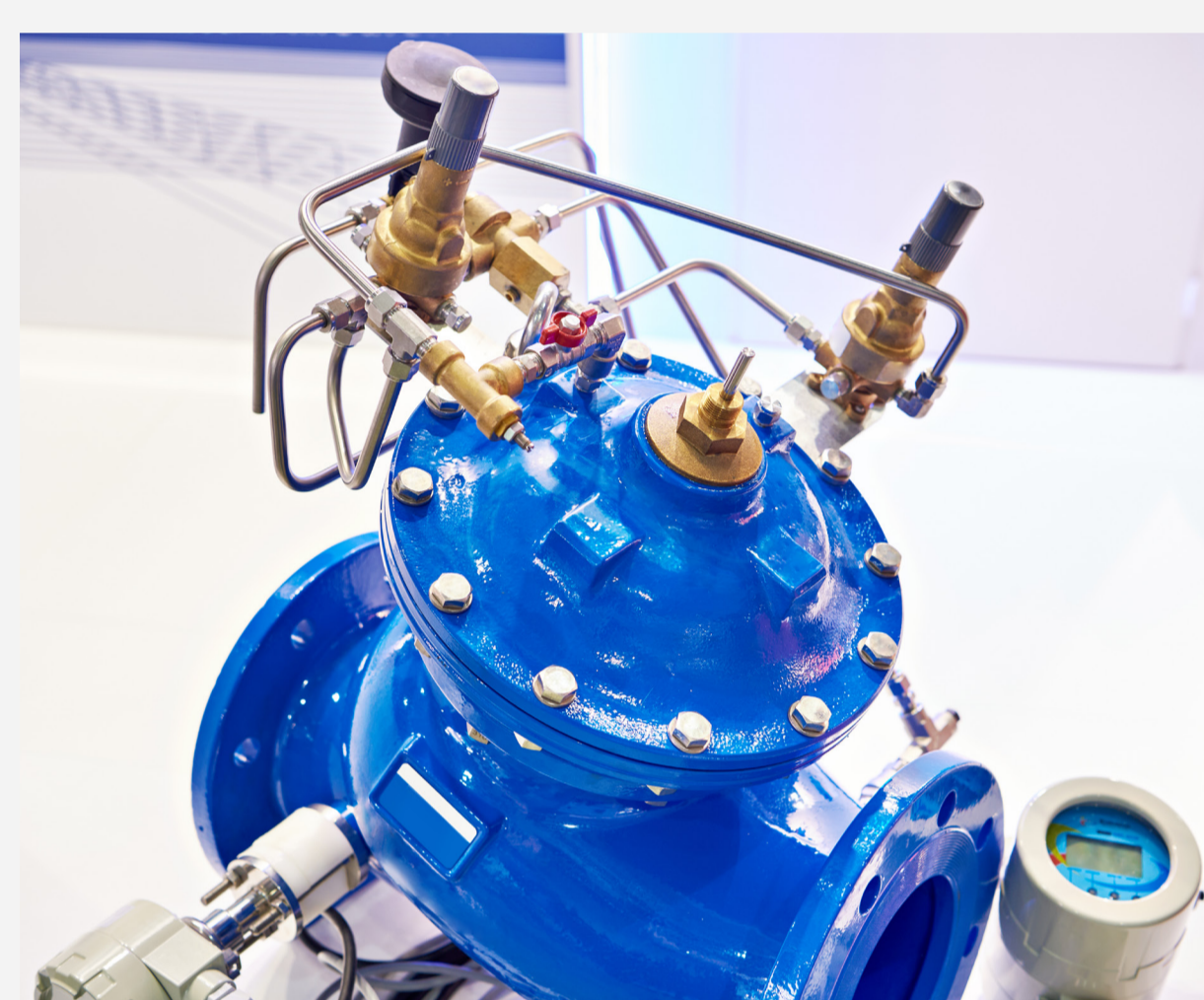
**When it comes to leakage management, every drop counts.**

Leaks will continue to break out and grow if left unaddressed, so it is essential to continuously identify and address them as they happen. Understand what types of leaks might appear in your network and the positive outcomes you can achieve from adopting a mix of leakage reduction strategies.

## Strategies to address water leakage

### Active leakage detection

This method for detecting leakage involves monitoring district metered areas to manage leaks before they become serious. The process begins by identifying general areas of leakage to make pinpointing leaks easier. You can then prioritize these areas when investigating costly repair methods, like excavation.



### Pressure management

By optimizing network pressure, utilities can reduce undetectable background leaks without affecting service levels. Pressure management studies can be restarted to try and further reduce excess pressure—even if levels have been adjusted in the past. There are also innovative techniques you can consider, such as assessing the impact of installing more efficient pressure-reducing valves.

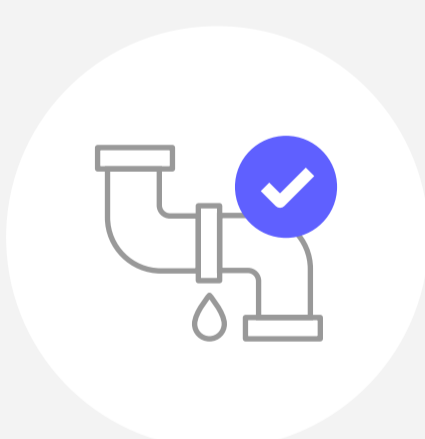
### Asset renewal and replacement

In some cases, renewing and replacing water infrastructure is the optimal method for reducing background leakage. This is a costly solution and should only be used if other approaches prove ineffective. However, this approach can lead to increased operational efficiency and reduced costs, which should be considered when trying to justify the capital investment.



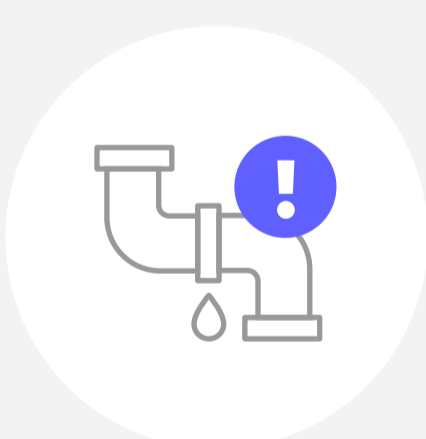
Based on IWA's Water Loss Taskforce's Four Pillars of Leakage Control

## Types of leakage



#### Reported leakage

Leakage that has been detected and reported by utility workers or members of the public.



#### Unreported leakage

Leakage that has not yet been discovered but is still detectable using traditional acoustic equipment.



#### Background leakage

Leakage that has not yet been discovered and is undetectable using traditional acoustic equipment.

## Benefits of leakage reduction



Reduced environmental impact



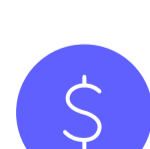
Extended asset life



Increased operational efficiency



Lower carbon footprint



Reduced water treatment-related costs



Enhanced customer relations

## Pressured to deliver?

Learn more about the Autodesk solutions that can best help your organization address water leakage.

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