



# Leak detection that's as easy as 1-2-3

FIDO AI is the only software-as-a-service (SaaS) leak detection solution which identifies leaks and the size of leaks to hit your water losses hard.

## About FIDO

Our cutting edge AI with the world's largest library of leak data tells you instantly if there is a leak, and how big. Nothing beats FIDO at finding the leaks that matter.

### Accurate

FIDO reduces false positives and human error to deliver leak probability which is 92% accurate.

### Easy

FIDO's plug-and-play SaaS deploys quickly and works with all your devices to streamline workflow processes from first alarm to final fix.

### Efficient

FIDO AI's unique leak-sizing and intelligent data-tracking helps you prioritise resource, spot trends and ultimately prevent leaks.

## 3 steps to accurate leak detection



### 1 FIDO AI

Our powerful AI automatically analyses any acoustic and kinetic file to generate points of interest, ranked by leak size, which are 92% accurate.



### 2 FIDO Sweep

Multiple low-cost FIDO-enabled devices are dropped in areas without sensors to generate an overnight heatmap. Use them singly for accurate points of evidence for dig orders.



### 3 Leak Central

FIDO data intelligence uses leak history to spot trends and predict leaks before they happen so you take proactive action based on machine certainty instead of intuition.



Visit [www.fido.tech](http://www.fido.tech) to take the FIDO Global Challenge and put us to the test. Contact us for access to our demo site or jump straight in with a monthly subscription.



## 1 FIDO AI

FIDO AI rapidly charts points of interest by size so you can confidently respond quickly and reduce leak runtime. Reduces false positives and eliminates human error to deliver fast results which are 92% accurate.

### Add certainty and find leaks by size

First, FIDO's unique machine-learning brain decides if there's a real leak. FIDO is immune to the type of distractions that lead to human errors, such as background noise, or high customer usage. It can even prompt you if data suggests a sensor is malfunctioning or sub-optimally positioned.

Then it calculates how big it is. No other technology can do this. FIDO's 92% accuracy in generating these points of interest means you can quickly dispatch resource to the biggest leaks, first.

FIDO works in real-time, but will automatically download and analyse files to the rhythm that suits your team and generate outputs which are fully integrated into your current processes and management systems, for instance as a list or a visual heatmap you can use to schedule further investigation and leak management.



# 92%

Accuracy, and improving

# 1.7m

Samples processed

# 15+

Years of AI, scientific and operational know how

# 1,000s

Files analysed per hour



## 2 FIDO Sweep

FIDO Sweep is a mobile holistic expansion of your leak detection process using FIDO-enabled hardware. Expands your existing estate into 'no sensor' areas and enhances your existing kit for accurate dig work orders.

### No loggers? No problem

For areas without existing sensors, FIDO Sweep is the answer. Kits of 20 tiny cost-effective hardware devices called Bugs attach magnetically to hydrants with no service interruption or special training.

Unlike many traditional sensors, which alarm when a pre-set threshold is met, Bugs sample everything; taking multiple acoustic samples and gathering additional information, such as usage, if available.

Enhanced battery life means the units can be left up to six months, while Bluetooth connectivity allows drive-by results collection straight to a technician's FIDO smartphone app so leaks can be acted on there and then. Data is also collated as a heatmap.

Simple single user devices, FIDO Bugs can also be used with existing equipment like correlators to enhance its functionality.



### A complete diagnostic toolkit

At just 49mm in diameter and 65gms in weight, palm-sized FIDO Bugs are robust and versatile enough to be used side-by-side with your existing kit, as a top sounder, listening stick or acoustic sampler, to help locate leaks.

**FIDO Sweep**



**Listening stick**



**Top sounding**



**Acoustic sampler**



**Leak repair & audit**



### Hardware agnostic

FIDO AI is sensor agnostic, which means you don't need to change anything about your existing estate. Any acoustic or kinetic file, in any format from any device, will do. In areas without sensors, FIDO can also gather the data itself using FIDO Sweep.

### Instant set-up & low upkeep

Access the platform online or via a REST interface with your existing software with instant setup, minimal deployment, and low upkeep. Files are automatically uploaded and analysed and results are available to view instantly.

### Minimal outlay

FIDO operates a SaaS model, so the barrier to entry is low. Pricing is based on a monthly charge per sensor - regardless of type with no limitations on usage. FIDO Sweep kits can be included as part of the subscription or purchased up front.



# 3 FIDO Leak Central

Leak Central takes leak management to the next level, using leaks as network data intelligence assets so you can predict and ultimately prevent leaks. Also provides reliable, consistent audit data for end-to-end performance reporting.

## Use your leak data to prevent future leaks

The moment FIDO analyses a file, it applies a unique code which links each leak with historical records on material, volume of water lost, repair and individual engineer activities as well as other data you have available such as usage.

From this, FIDO AI identifies the specific network factors causing leaks and the circumstances in which leaks might re-occur. This unique data intelligence can be used to spot trends and take a proactive approach to preventing leaks.

As well as providing certainty in performance reporting, this helps you plan resource, maintenance and long-term investment.

## About FIDO Tech

FIDO Tech specialises in solving difficult and complex problems efficiently and professionally, sharing best practice throughout the company and with our clients to ensure the best customer outcome.

FIDO AI is our response to the global problem of leakage. By helping water companies get to the biggest leaks first, our simple plug-and-play AI is reducing run time and cutting water loss.

Developed hand-in-hand with innovation and operational leakage teams in a major UK water company, FIDO is fast becoming the most accurate, cost-effective all-round leak detection solution on the market.

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