



# Don't waste human talent on hunting leaks

Use FIDO AI instead. FIDO accurately identifies leaks, the size of leaks and their exact location to hit your water losses hard.

## About FIDO

Our cutting edge AI tells you instantly if there is a leak, how big it is and, most importantly, exactly where it is. Nothing beats FIDO at finding the leaks that matter.

### Accurate

Our cutting edge AI tells you instantly if there is a leak, how big it is and where it is to <1m. Nothing beats FIDO at finding the leaks that matter.

### Easy

FIDO is data-as-a-service. 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 free FIDO-enabled devices are dropped in areas without sensors to generate an overnight heatmap. Use them in pairs for simple, cost-effective leak location to <1m



### 3 Leak Central

Automatically schedule engineers and use data intelligence to 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

# 1.8m+

Samples processed

# 15+

Years of AI, scientific  
and operational  
know how

# 1,000s

Files analysed  
per hour

### 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 via FIDO's web-based dashboard 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 DaaS 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 Bugs are included in the cost of a monthly Sweep subscription.



## 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 delivers leak location to under a metre using FIDO Cloud Correlation.

### No loggers? No problem

For areas without existing sensors, FIDO Sweep is the answer. Kits of 100 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 more granular leak data like noise degradation over time.

The units can be left in full operational mode for up to three years without the need for a battery change, 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 to locate leaks to under a metre, cost-effectively and with no specialist training, using FIDO Cloud Correlation.



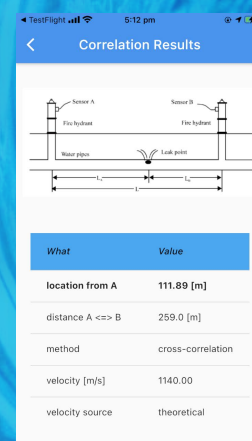
### NEW FIDO Cloud Correlation

FIDO Cloud Correlation removes even more human fallibility from the leak detection process.

Delivers instant in-field leak location to under a metre using a powerful combination of AI and cloud computing.

No need for an engineer to input asset locations or pipe material.

FIDO Bugs gather samples and need no special training or calibration - ever.





# 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 FIDO ID number 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.

**Contact us**  
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