

FIDOSmart



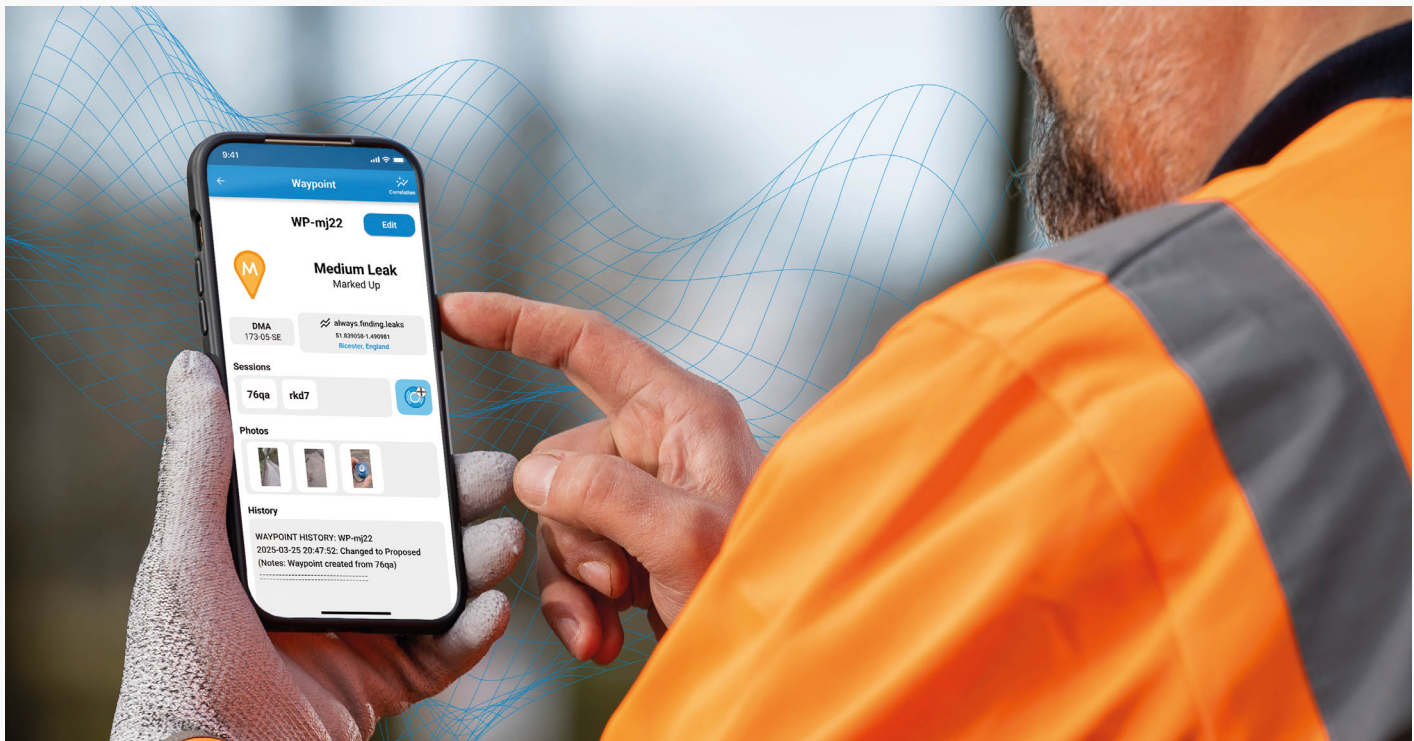
All-in-one
water leakage reduction
powered by FIDO AI

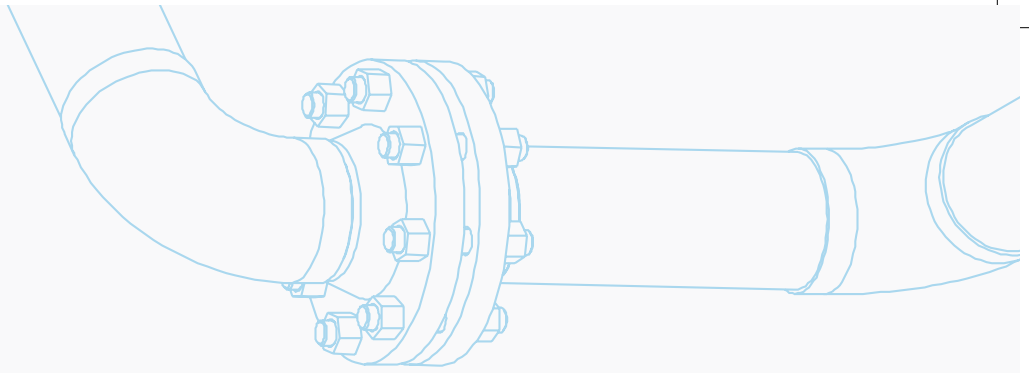
FIDOSmart

One app + one device + FIDO AI + you

FIDOSmart guides your team seamlessly from leak alert to repair validation using the same simple device.

No need for bulky kit, charging or calibration.
Control it with the FIDOSmart app.





Use FIDO Smart for...

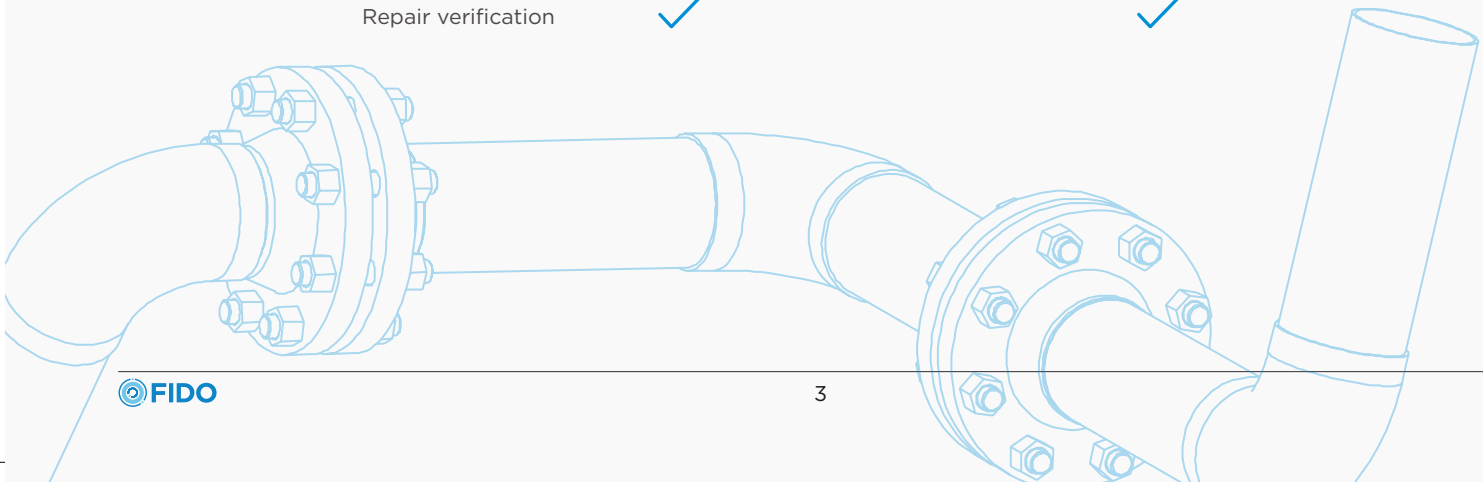
in-field leak investigations

FIDOSmart app, FIDO AI and sensors.

fixed network monitoring

FIDOSmart app, FIDO AI, sensors plus dial home Relay devices.

Real time leak identification		✓
Lift-and-shift logging	✓	✓
Leak detection by size	✓	✓
Consumption profiling	✓	✓
Sounding Lite (asset sounding)	✓	✓
Correlation	✓	✓
Top Sounding (ground microphone)	✓	✓
Repair verification	✓	✓



The FIDO Way

The FIDO Smart end-to-end system incorporates the power of accurate AI analysis at key points in the leak detection process.

We call this AI-optimised process The FIDO Way.

Designed by experienced leakage experts from the water industry, and proven on water networks around the world, The FIDO Way seamlessly integrates FIDO AI technology into the work processes utilities are already familiar with.



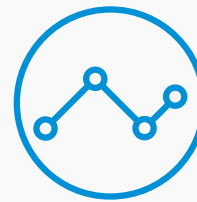
Network monitoring

Using sensors as loggers, The FIDO Way generates accurate points of interest, called waypoints, which can be quickly investigated on site.



On-site investigations

Using sensors for sounding, as correlators and then as ground microphones, The FIDO Way provides multiple points of evidence for promoting a leak location to the repair workflow.

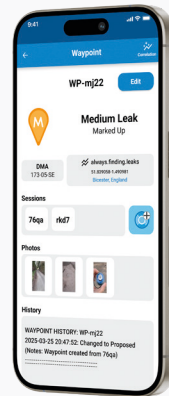
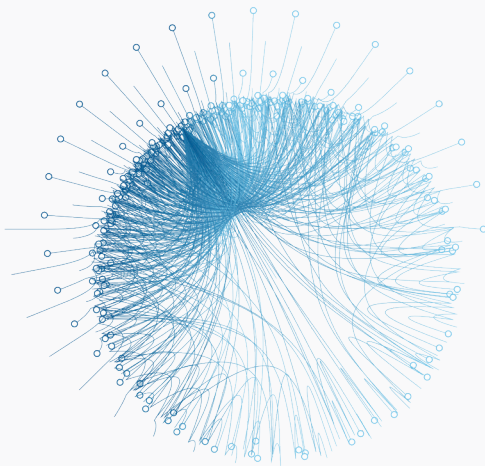


Post repair validation

After repair, the sensors can be used again to verify the leak's acoustic signature has gone. This is instant validation for billing, and it also gives assurance that there is not another leak present which was being masked by the first.



Meet the FIDOSmart system



FIDO AI

FIDO AI is our constantly evolving neural network which can detect the presence of leaks from the tiniest acoustic traces in pipes in real time. Trained exclusively on verified leak data for accuracy.

As well as analysing thousands of data files in seconds, it also assesses likely leak size allowing leak teams to prioritise workload.

As a deep-learning algorithm, every sample FIDO AI analyses improves accuracy for all users.

The FIDOSmart app

The app puts you in full control of the FIDO system. It's where you instruct your sensors and get instant detection, correlation and location results.

Available on Android and iOS, the app comes equipped with our unique GPT co-pilot askFIDO.

askFIDO answers your questions and guides you through every step of the FIDO Way process - from the best place to deploy your sensors to validating your leak repairs.

The FIDO Sensor

Our compact high definition (HD) sensor gathers all the data FIDO AI needs to perform multiple complex functions and can be used as loggers (fixed or mobile), correlators and ground mics. Also monitors consumption in unmetered properties.

No charging or calibration required. Battery guaranteed for 5 years.

Sensors attach magnetically to assets or rest stably on plastic pipes.

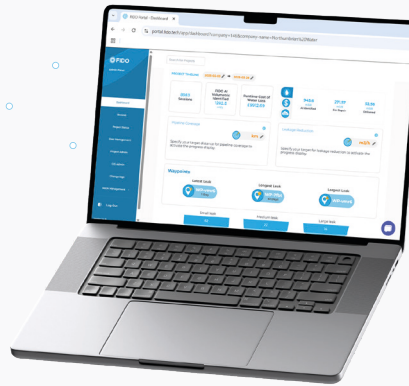


The FIDO Relay

Relay is our telemetry add-on, using Bluetooth, then either LTE-M or NB-IoT to enable seamless two-way communication between FIDO sensors and FIDO AI.

Relay fully automates acoustic leak analysis and detection to deliver daily waypoints of all your leaks by size direct to your app, wherever you are.

Easy and quick to deploy.
Just pop it next to the sensor.



The FIDO Hub

Use your app log-in to access the FIDOSmart portal from your desktop and review all your FIDO leakage data in one place.

Handy dashboard interface displays key metrics from all your users. Produce reports, assign and re-assign work tasks and drill down into the detail 24/7.

A validated technology

FIDO technology has already delivered impressive water savings for water utility projects in the UK.

Southern Water

Volumetric saving

30%

Project delivered over 141km, 2024

South West Water

Volumetric saving

32.6%

Project delivered over 163km, 2024

Yorkshire Water

Volumetric saving

25%

Project delivered over 214km, 2023-2024

Scottish Water

Volumetric saving

25%

Project delivered over 231km, 2024

Northumbrian Water

Volumetric saving

37%

Projects delivered over 232km, 2023-2025

Affinity Water

Volumetric saving

30%

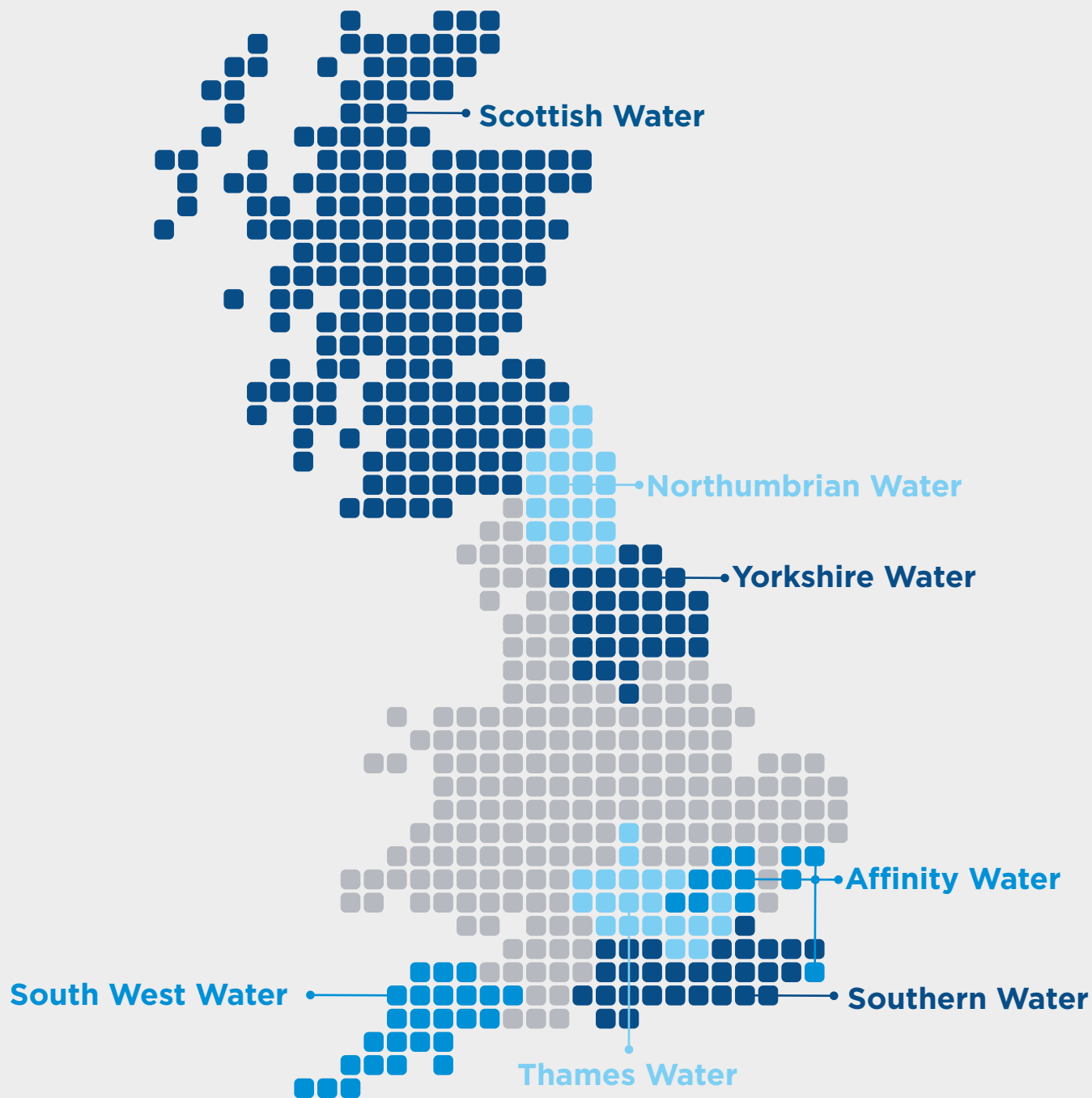
Project delivered over 98km, 2024

Thames Water

Volumetric saving

25%

Project delivered over 90km, 2023-2024





Use FIDO Smart for in-field leak investigations

All your on-site leak investigations with the same handy device.

No need to buy correlators or ground mics. FIDO sensors do it all. Just sign-up for the app and choose how many sensors you need. Also available in packs of 4, 40 or 75. Minimum subscription term applies.

Key features

The complete system for **easy and cost-effective leak location** that's all done with the same in-field AI device.

Uses FIDO's **clever multi-functional sensors** as instant leak detectors, mobile loggers, correlators, ground mics and even consumption monitors.

Delivers results to the FIDOSmart app (subscription required). Buy the exact number of sensors you need or choose a ready-made package designed around your needs.

What you get

- Clever multi-functional FIDO sensors
- Full FIDO AI functionality including instant in-field acoustic analysis, leak sizing, correlation, top-sounding, repair validation and more
- Light, portable and easy to deploy and use
- Results delivered through FIDOSmart app

Requires one-off sensor purchase and recurring subscription to the FIDOSmart app



Only buy **the sensors you need**

All FIDO Smart sensors come with full access to the complete range of FIDO AI functionality via the app*. The only restriction is how many sensors you have.

Buy the exact number of sensors you need or choose one of our pre-packed shipping options designed around the way you'll use your FIDO Smart service.

**Fixed network monitoring requires additional Relay purchase.*

Hardware packs



Locate

Designed with solo leak technicians in mind, our starter pack is light and portable. With semi-rigid carry case.

Contains

- 4 FIDO sensors
- 1 Deep-asset tether
- 1 Top sounding base with spike



Investigate

Designed for sensor deployment, leak detection and investigation over a larger area. With water resistant textile backpack.

Contains

- 40 FIDO sensors
- 2 Deep-asset tethers
- 1 Top sounding base with spike

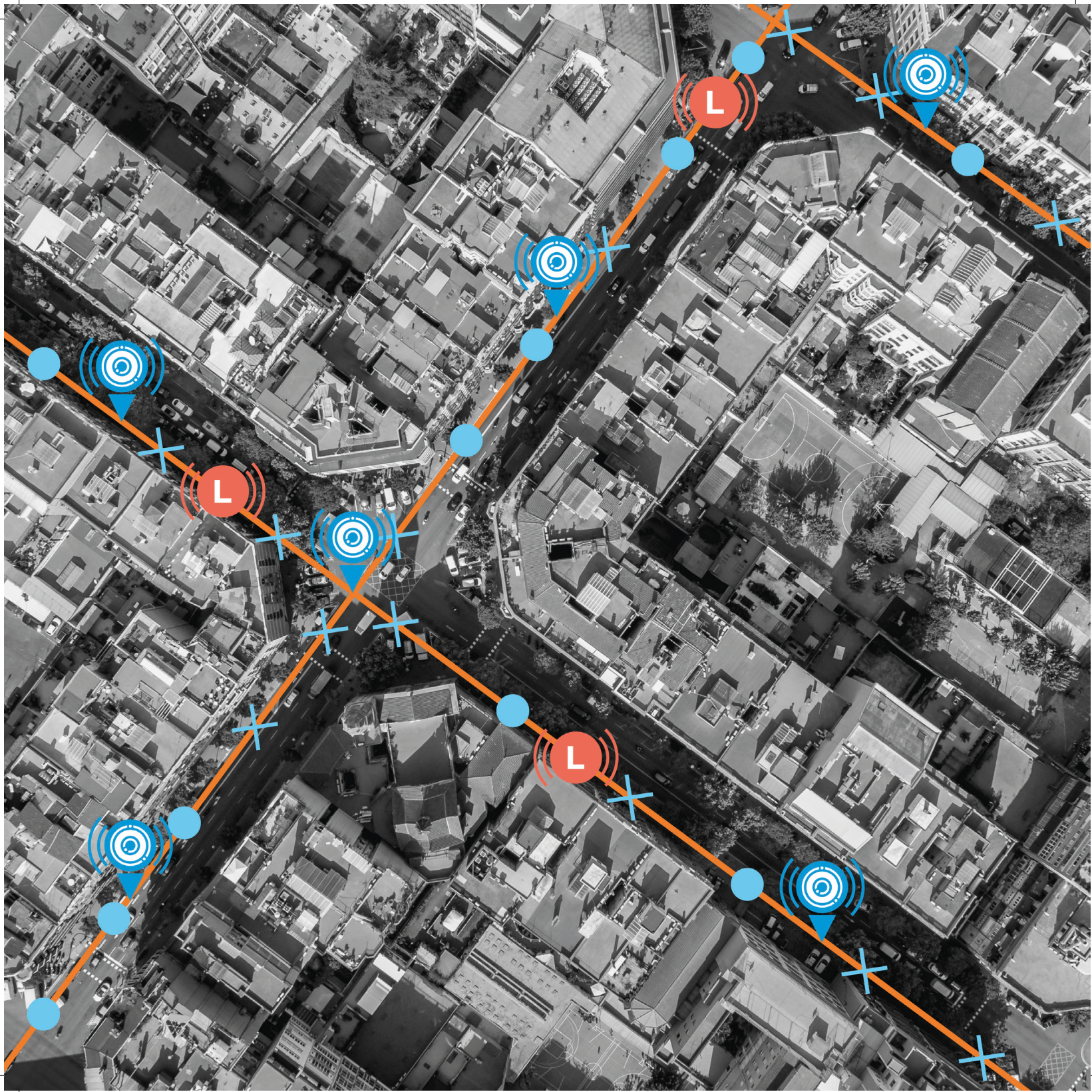


Sweep

Designed for lift-and-shift logging, DMA sweeps and other active leak detection activities. With rigid hard shell flight case.

Contains

- 75 FIDO sensors
- 2 Deep-asset tethers



Use FIDO Smart for fixed network monitoring

Fixed network monitoring delivering daily leak results

Each sensor comes with a dial-home Relay device for real-time leak identification. Includes GIS-optimised deployment plans to minimise network blindspots and leak-sizing for workforce prioritisation.

Key features

Cost-effective **fixed network leak detection** combining smart sensors, IoT telemetry and accurate AI analysis.

Practical for **easy large-scale deployment** and with minimal blind spots due to automated generation of optimal sensor deployment locations (ODLs) based on GIS data.

Delivers daily **waypoints (points of interest), ranked by leak size**, direct to your workflow for in-field investigation, or as a map visualisation in the FIDO Hub.

What you get

- Compact magnetic HD sensors equipped with IoT Relay devices.
- Easy to deploy with minimal training
- Auto generation of optimal deployment locations based on uploaded GIS data
- Accurate AI leak detection with leak size delivered daily

Requires one-off sensor and Relay purchase and recurring subscription to the FIDOSmart app.



Support and training

Every FIDO subscription comes with in-app guidance, including tool tips and user videos. Self-guided certificated online training courses and live webinars are also available.

You'll get ongoing support from your dedicated FIDO account manager, as well as 24/7 access to our in-app AI assistant askFIDO.

In-person on site and/or classroom training may also be offered according to the size and type of the service purchased.

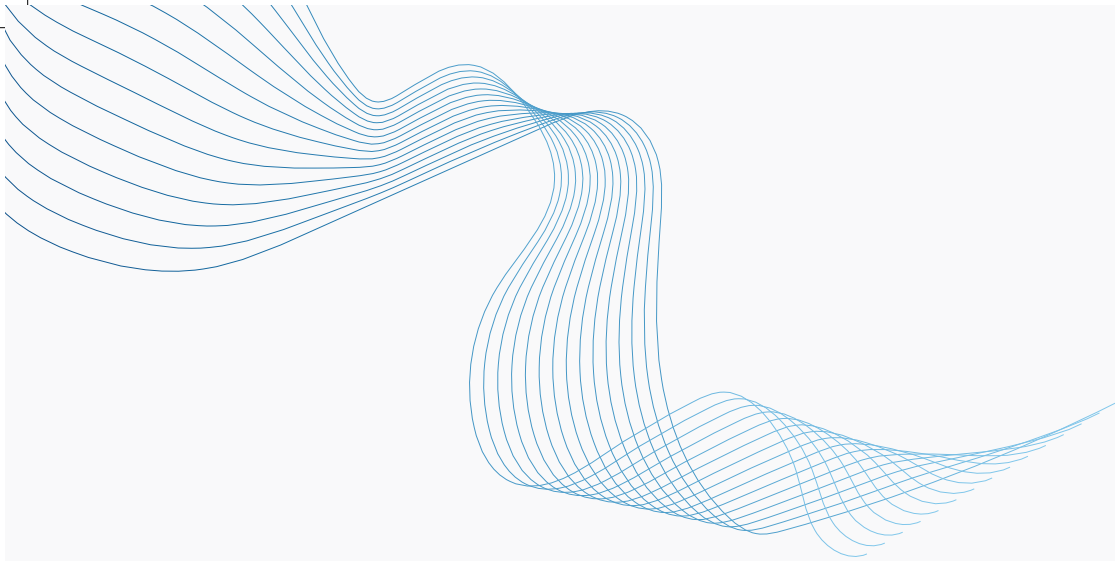


US



Mexico





askFIDO

askFIDO is our in-app co-pilot, designed to help users get the best from our technology.

Powered by advanced language models and grounded in FIDO-specific knowledge, askFIDO can answer all your in-field questions.

Whether you have questions about sensor deployment, waypoint creation, or troubleshooting, askFIDO can provide instant answers, step-by-step instructions and helpful tips to make your experience seamless.

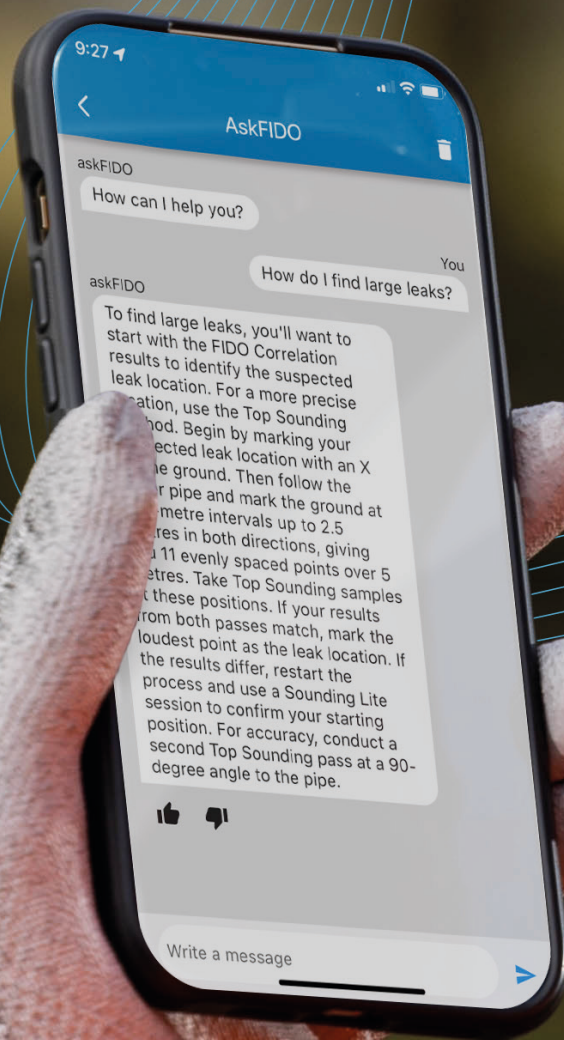
Available in multiple languages.

Learning portal

Learn how to use our system and get FIDO Way certified using our dedicated training portal.

Access interactive engaging training modules, videos and quizzes at any time, all tailored to your FIDO bundle.

ID and password details provided with your subscription. One log-in per subscription.



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AskFIDO



askFIDO

How can I help you?

You

How do I find large leaks?

askFIDO

To find large leaks, you'll want to start with the FIDO Correlation results to identify the suspected leak location. For a more precise location, use the Top Sounding method. Begin by marking your suspected leak location with an X on the ground. Then follow the pipe and mark the ground at metre intervals up to 2.5 metres in both directions, giving you 11 evenly spaced points over 5 metres. Take Top Sounding samples at these positions. If your results from both passes match, mark the loudest point as the leak location. If the results differ, restart the process and use a Sounding Lite session to confirm your starting position. For accuracy, conduct a second Top Sounding pass at a 90-degree angle to the pipe.



Write a message



Contact FIDO

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Email

sales@fido.tech

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