

networkmonitor↑

powered by FIDOAI



Fixed network monitoring
with **AI leak detection**
and **leak sizing**

Network Monitor

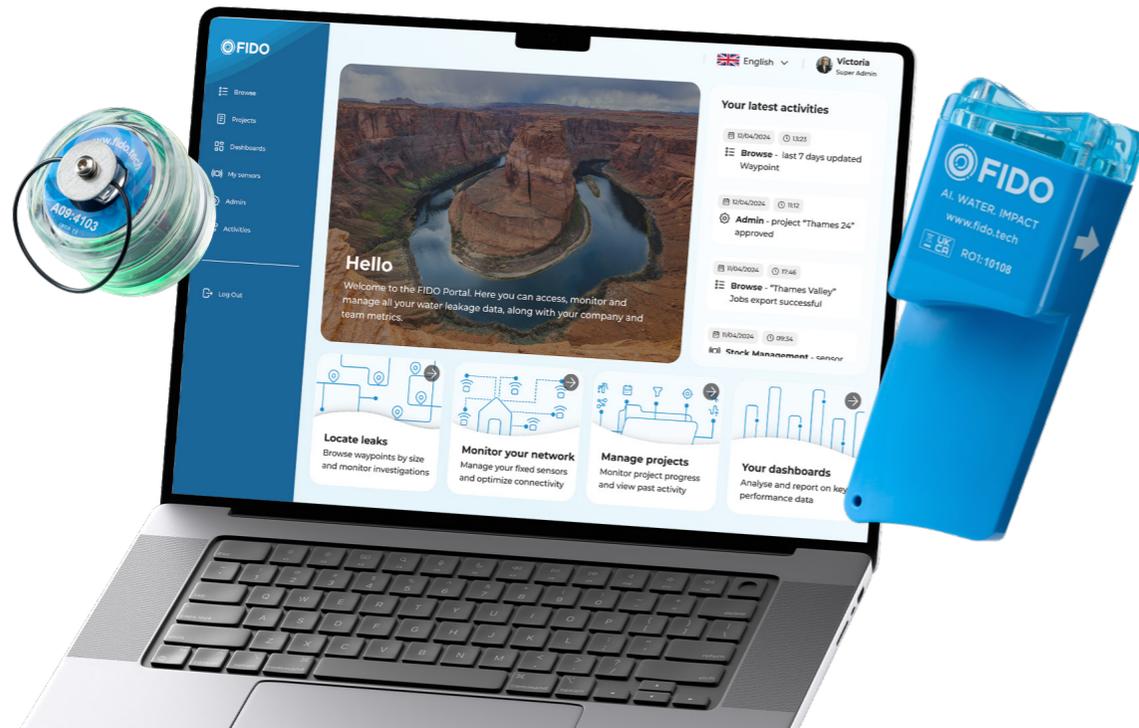
Fixed network monitoring by subscription using IoT connectivity and powerful deep-learning AI

Network Monitor gives you visibility of water network leakage with accurate AI data analysis and daily alerts which are ranked by size for easy workforce prioritization.

Designed hand-in-hand with water operations experts, Network Monitor operates without noise thresholds or data limits so you never miss a leak again.

Key features

- Leak alerts, get them daily or at any frequency to meet your needs
- Size ranking, for easy workload prioritization
- Repair validation, for reporting confidence and revenue assurance
- All hardware guaranteed for 5 years with no charging, calibration or maintenance needed



What is included?

Network Monitor is a versatile software-as-a-service solution for the fixed monitoring of any pressurised water distribution network in any material.

With unlimited data analysis by advanced FIDO AI, it gives you total flexibility, scalability and visibility to respond to network events and inform future investment.

Each subscription includes:

FIDO AI

Our market-leading cloud-based AI which accurately detects and sizes leaks from acoustic and kinetic data from any water pipe.

Relays

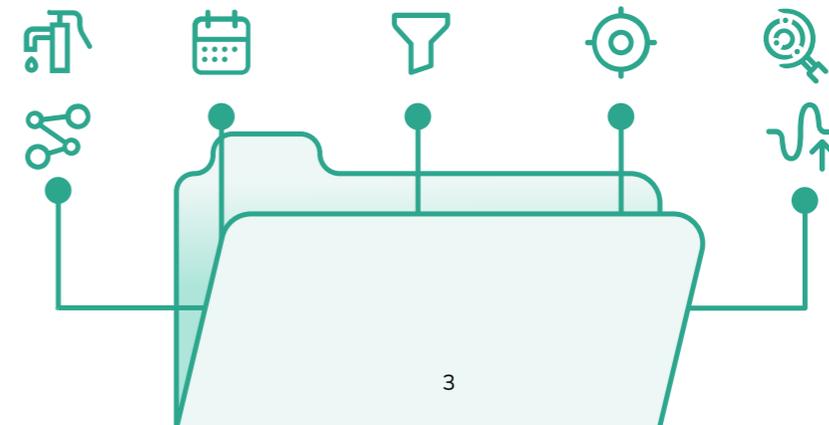
Encrypted dial-home IoT devices for automated data transfer

Sensors

Compact versatile hardware with secure connectivity for high-definition data capture.

FIDO Portal

24/7 auditing and performance management via API or desktop dashboard.



The benefits of Network Monitor

Built around market-leading FIDO AI, Network Monitor is the ultimate flexible system for extracting actionable insight from your network's data.

Instant, accurate data visibility

Trained exclusively on verified global water data, FIDO's market-leading AI analyzes thousands of data points in seconds and is highly accurate at acoustic leak detection and leak sizing. Achieves over 94% accuracy in training data.

Never miss a leak

Network Monitor generates optimal sensor locations to minimise blind spots and analyses acoustic and kinetic signatures without any sampling or data limits to make sure you never miss a leak.

Avoid wasted effort

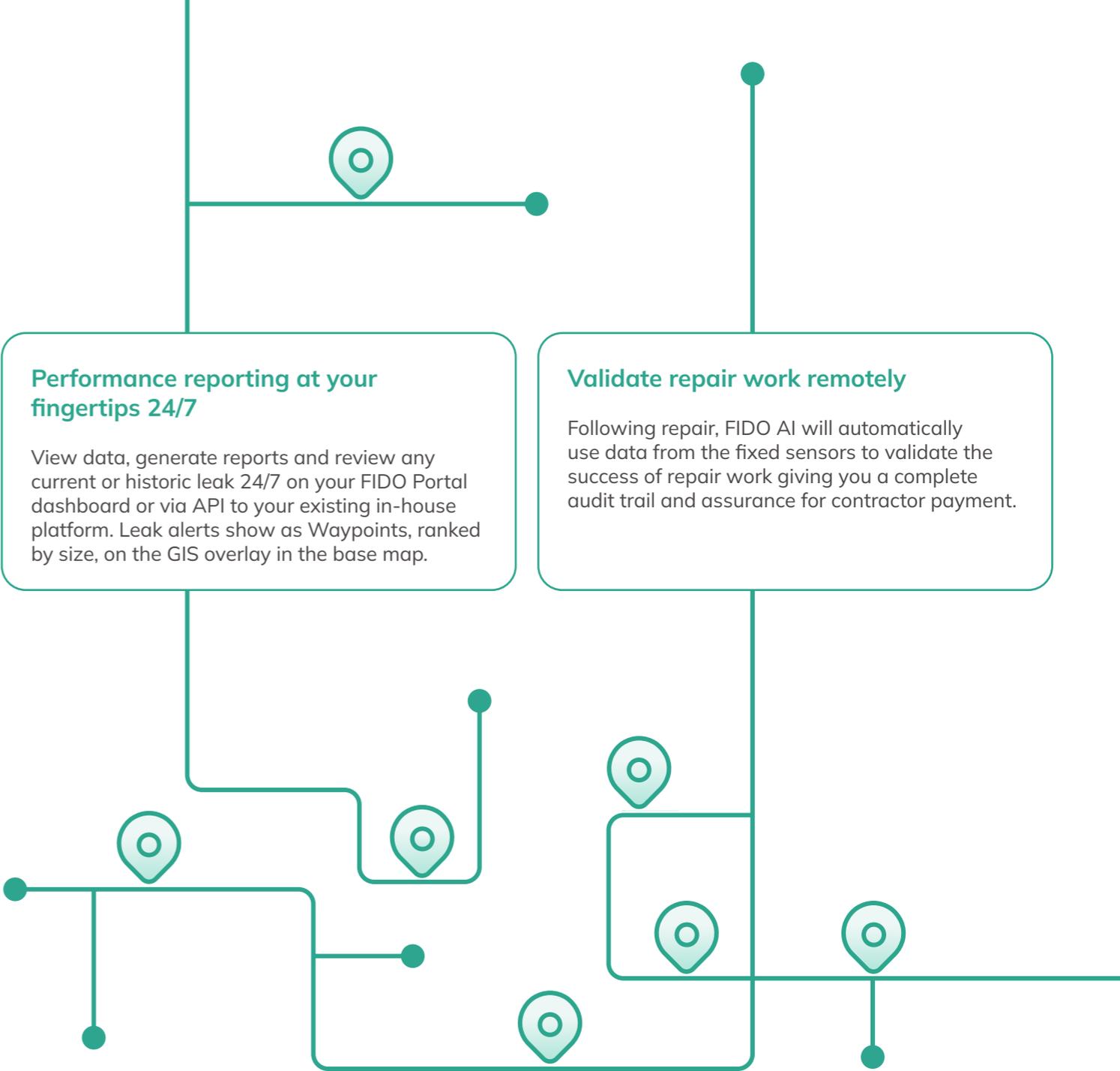
FIDO AI eliminates dry holes and duplicated effort by filtering out non-leaks and deciding if multiple sensors are detecting the same anomaly. Data for each leak are automatically clustered into a single nearest Waypoint for efficient investigation.

Flex rapidly to changing needs

Scale up the service in response to situations like breakouts, demand peaks, high-profile sports fixtures or festivals, risk of collateral damage or drought by increasing the frequency of leak alerts or expanding service coverage.

Save more water, faster

Prioritize your skilled resource and equipment by fixing the leaks that matter. Use insight from continuous leak size monitoring to choose when to take appropriate action based on factors like location sensitivity, pipeline performance or economic level.



Performance reporting at your fingertips 24/7

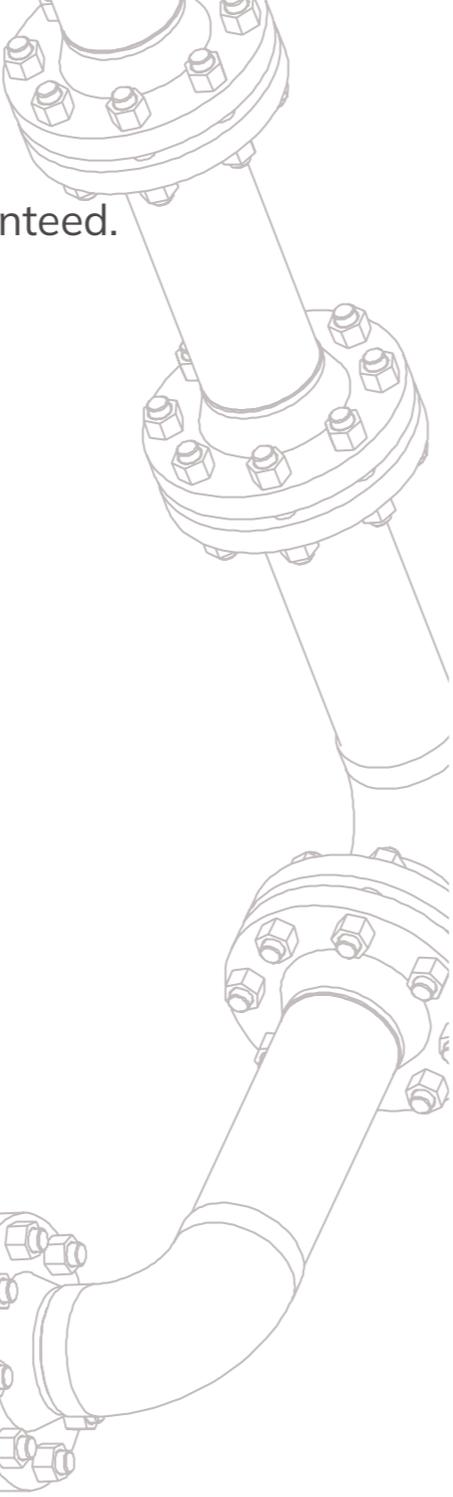
View data, generate reports and review any current or historic leak 24/7 on your FIDO Portal dashboard or via API to your existing in-house platform. Leak alerts show as Waypoints, ranked by size, on the GIS overlay in the base map.

Validate repair work remotely

Following repair, FIDO AI will automatically use data from the fixed sensors to validate the success of repair work giving you a complete audit trail and assurance for contractor payment.

Buying Network Monitor

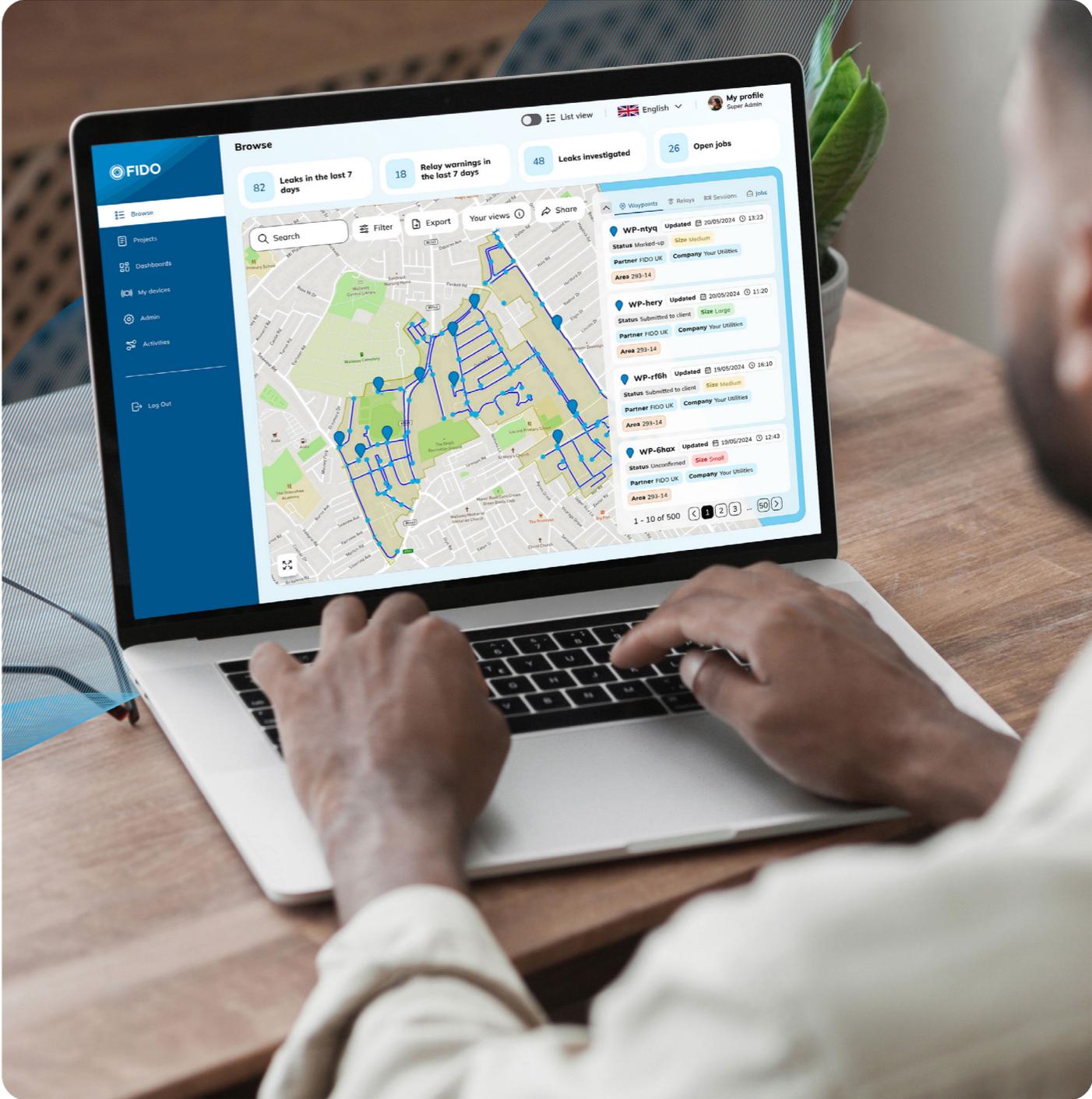
With Network Monitor, rapid results are guaranteed.



Network Monitor is the ultimate scalable solution for fixed water network monitoring.

Our team of experts will help you assess your network needs and identify the ideal Network Monitor solution for your utility. We offer a range of flexible funding options to ensure you get fast results.

 [Talk to our experts to build the perfect package for your network needs.](#)



Technical specification

Sensor

Weight

88g / 3.1oz

Dimensions

W: 50mm / 1.97in H: 59mm / 2.3in

Material

Polycarbonate resin with neodymium magnet and nitrile rubber O-ring

Ingress protection

IP68

Communication

Bluetooth LE

Operating temperature range

-20C to +70C / -4F to +158F

Sensitivity

1 - 2,000Hz

Recommended maximum distance between sensors

200m / 656ft on metallic pipe, 100m / 328ft on plastic pipe

Relay

Weight

387g / 13.7oz

Dimensions

L: 172mm / 6.8in W: 57mm / 2.8in H: 48mm / 1.9in

Material

Polycarbonate resin with magnet strip or tether

Ingress protection

IP68

Communication

Bluetooth & Cellular (NB-IoT or LTE-M/CAT-M1)

Warranty

5-years against manufacturing fault

Operating temperature range

-20C to +70C / -4F to +158F

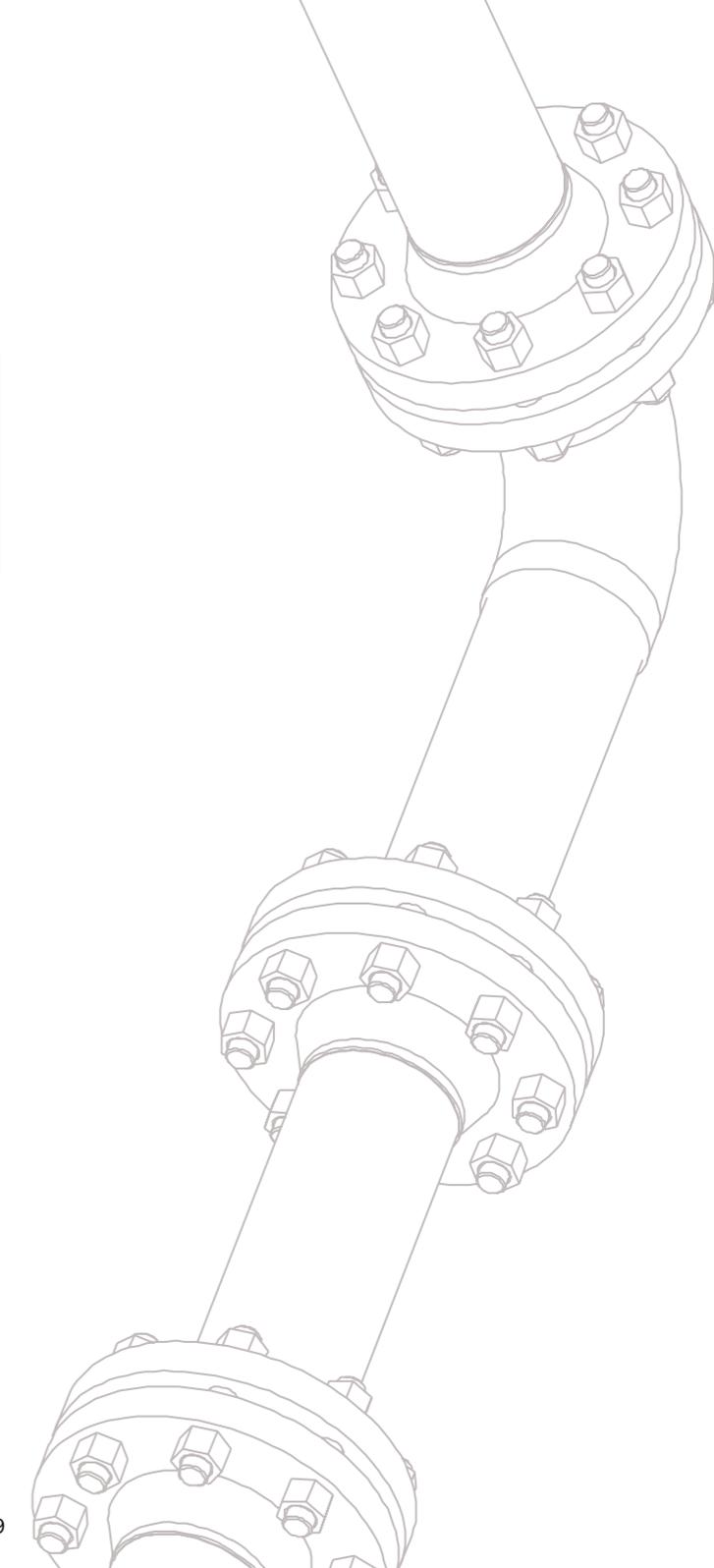
Security

DTLS/TLS encryption

FIDOSmart app

Requires any Android or iOS smartphone

Requires access to phone's data, location and Bluetooth services





About FIDO Tech

FIDO Tech is a global leader in technology for water network management.

Our reliable AI gives water providers the strategic and operational data insight they need to better allocate existing resources and future investment.

And all with an unbeatable return on investment.

Try more of our FIDO AI products

All FIDO solutions are designed to work seamlessly together. After identifying leaks using Network Monitor, use FIDO Leak Locate to pinpoint locate them in the field.

With Leak Locate, your leak teams use FIDO AI in the field with the help of an intuitive smartphone app. It's all you need for leak investigations because you use the same FIDO sensors as mobile loggers, correlators, ground microphones and more. Instant auditable end-to-end results appear in your portal for 24/7 visibility forever.

leaklocate
powered by FIDO AI

All-in-one leak investigation kits using an app subscription and simple versatile hardware to locate, mark-up and validate leaks.

Contact FIDO

Email sales@fido.tech
fido.tech/network-monitor