



waterwise

## UK Water Efficiency Product Awards

### Runner Up

### Category: Innovation

## Aqualogic Aquarius Fixed & Mobile Leak Detection System

Key Features: Leak detection system, monitors entire distribution network, can be used to accurately pinpoint leaks

The Aquarius is a Smart Fixed & Mobile Leak Detection System that can monitor an entire water distribution network and provide complete online leak noise data showing history, statistics and intensity of every point of interest (POI). Once a POI is identified the iQuarius mobile leak detector can be used by engineers in the field to accurately pinpoint the precise location of a leak with smart digital data recording.



The Aqualogic Aquarius network monitoring and leak detection system is a smart and innovative solution to enable the permanent and proactive monitoring of water networks and trace leaks to exact locations. The Aquarius fixed system is made up of cellular 3G acoustic sensors which easily attach to the water network underground pipe work, transferring data using 3G via the Cloud a to network managers.

The sophisticated software and easy-to-understand dashboard identifies leak locations and leak size, while also detecting faulty fittings and assets within the network. The Dashboard allows the operator to view a geographical visualisation of network including leak alerts, history and pipe condition statistics. The Aquarius job management system automatically raises job cards for field operatives to rapidly investigate and progress is reported via a dedicated App which updates the central hub.



The iQuarius is a mobile, highly portable, leak detection system that utilizes the technicians Smartphone's via the Aquarius App. Using a 3G connection and GIS mapping, a leakage technician can survey areas whilst recording progress, performance and network sound samples. This can be uploaded to management dashboard and used for enhanced data analysis. As the iQuarius is simple to use it can be used by non-specialised technicians, which is excellent when urgent attention is required.

Water leaks if not tended to on a utility network can cause many issues from supply interruptions, risking vulnerable customers and environmental damage. Leaks are a major source of water wastage in the UK, which makes encouraging water saving to the average person very difficult. Benefits of network monitoring include online geographical visualisation of a complete system with leak alerts; integration with pipe mapping overalls; pipe condition trending by leak statistics; and live resource performance analysis.

The Aquarius takes an innovative approach to leak detection, improving data quality and increasing the capacity of technicians to address leaks quickly



The Waterwise UK Water Efficiency Product Awards celebrate products and technology that contribute to water efficiency, which benefits the economy, society and environment.