

PermaNET+

Yorkshire Water - March 2018



Yorkshire Water install initial 4,000 PermaNET+ acoustic loggers



Fixed network: combines leak noise sensors and telemetry technology

On-screen tracking: works in conjunction with Google Maps

Precise logging: establish noise profile for immediate leakage alarm

Across Yorkshire over 1 billion litres of water is delivered to homes and businesses every single day through 31,000km of mains network pipes. Managing such an extensive network and actively reducing non-revenue water (NRW) is a challenge that Yorkshire Water has teamed with HWM to solve.

How PermaNET+ pinpoints a leak

When a leak occurs within the radius of a PermaNET+ device, the leak noise sensor detects the soundwaves created by the escaping water. This triggers the device to go into 'alarm' state, alerting the user of a leak. Once the presence of a leak has been identified, secondary validation methods can be used to remove 'false positives' and also to localise the leak position.

The technology within PermaNET+

PermaNET+ is designed with the latest mobile technology, to maximise dial in and to minimise cost, transmitting both leak and secondary data via GPRS or SMS telemetry. PermaNET+ is also compatible with Google Maps, allowing for real-time tracking and helping leak teams to respond quickly to problems within the network.



Why choose PermaNET+

Customers all around the globe have chosen HWM as their partner for data logging and network monitoring. The PermaNET+ system is often at the heart of that decision.

In Yorkshire, the introduction of our PermaNET+ devices is an upgrade to the current technology being used. According to Dave Stevenson, Head of Water Distribution at Yorkshire Water **"the technology being deploying onto the mains network will enable us to get to problems on our pipes faster, preventing bigger bursts and helping us reduce the amount of water that is lost through leaks"**.

"The technology is capable of identifying a leak within a 150-meter radius, which is much more accurate than current technology allows. It will give us a much greater understanding and visibility of what is happening and enabling us to respond better".

Dave Stevenson, Yorkshire Water

MONITORING ASSETS, DELIVERING DATA, BRINGING CONTROL



HWM Water Ltd
Ty Coch House, Llantarnam Park Way
Cwmbran, NP44 3AW
United Kingdom

Tel: +44 (0) 1633 489 479
Fax: +44 (0) 1633 877 857
E-mail: sales@hwm-water.com
Web: www.hwmglobal.com

