

PermaNET+

Affinity Water - March 2017



Affinity Water chooses HWM as their permanent leak monitoring partner



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

Affinity Water, Britain's largest water-only utility serving 3.6 million people in South East England, has partnered with HWM to target significant reduction in leakage rates using PermaNET+ fixed network telemetry.

“Using PermaNET+ we can continuously monitor 25% of our network, identifying leaks within a matter of hours, rather than the days it takes using conventional techniques”

Drew Ritchie, Affinity Water



Affinity already uses HWM data logging technology to monitor its network performance, but the addition of PermaNET+ will significantly enhance leak detection across the network.

PermaNET+ represents the next stage in the development of noise logging. Data is automatically sent to the user, removing the need to visit sites to carry out data collection. Data transmission is achieved through a combination of GPRS cellular communications and SMS. The unit also sends an audio file for remote monitoring and correlation to localise leak position.

PermaNET+ is located entirely below ground, making it less intrusive and more practical for large-scale deployment.

These features are critical to the long-term leakage reduction plan of Affinity Water, which has set ambitious targets for improvement of its network. **“Of all of the UK water companies, at Affinity Water we've set ourselves the largest percentage leakage reduction over the current five-year (AMP6) planning period”**, explained Drew. **“We're achieved this with PermaNET+, challenging industry thinking and methodologies to change the economics of leak finding”**.

The programme was completed in May 2017 with the installation of 20,000 PermaNET+ systems. This represents a long term commitment to improved leakage reduction from Affinity Water, as Drew explained: **“We're looking forward to working with HWM over the next 10 years to enhance the system and use leakage information in new and innovative ways”**.

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

