

Helium leak detection in a busy urban area



Case Study

Finding leaks for Affinity Water with iDroloc

Client issue

Affinity Water managers were aware of number of leaks in the network but were unable to locate them using traditional methods such as listening sticks and correlators. Previous attempts had resulted in a number of dry holes.



Solution implemented

iDroloc is an effective leak detection system that uses helium as a tracer gas. This innovative technique allows a full leakage survey to be carried out without any disruption to customers' supplies. The technology can be applied to all pipe diameters and used in both urban and rural districts.



Affinity Water



The results

iDroloc detected 5 leaks in the DMA surveyed. All of the repairs have been made and no dry holes were identified which proves its reliability when compared to the more traditional methods. Furthermore, this DMA was located in one of the busiest traffic zones in Luton, but with careful planning and some work carried out at night, no customer disruption was reported.



Pipe material	Cl/SI and MDPE
Length surveyed	>20,000m
Pipe diameter	12"/ 4"/ 3"

Nick Haskins

BDM Leakage
Email: Nick.Haskins@suez.com