

Water, Fuels & Refrigerant Gas **TraceTek® & AquiTron™** Leak Detection Systems



Residential Solutions



The Shard – Digital Pinpoint

The Shard challenge was to produce a system that would monitor apartments which may remain unoccupied for extended periods. With this in mind, reliability and low maintenance requirements are high on the priority list.

Aquilar designed a digital system with the facility to communicate, with the buildings central BMS, the exact location of the leak or fault to an accuracy +/- 1m. Giving peace of mind that any leak would be reported, investigated and repaired in the fastest time possible.

Kensington Gardens - AquiNet Fieldbus

This project presented a slightly different challenge to the usual refrigerant detection system due to its size. The AquiNet Fieldbus Monitoring system was chosen due to its easy to use touch screen and ability to handle large numbers of sensors without a requirement of a complex arrangement of subsystems reporting back, although it has the ability to be a master panel monitoring a large network of controllers. The use of a flexible bus system meant wiring was simple to install and monitoring of the standalone AT-G-SENSE controllers was kept to one central location.



East Village - Eco-Leak

The former athlete Olympic village in Stratford was refurbished into a large number of apartments requiring reliable leak detection. However, it had to be simple to install, easy to operate and supplied at an acceptable cost, whilst also considering the legacy aspect of the site. The Eco-Leak control panel suited this application perfectly. Each apartment had probes fitted within the floor void under the washing machine, water heater, under-floor heating manifold and soil vent pipe, connected to the Eco-Leak control panel. Upon detection a local alarm sounded indicating to the occupant a leak has occurred.

Holland Green - Zonal

The Holland Green project was designed by protecting areas with an AT-PROBE point detection probe. Using the AquiTron AT-MZA control panel allowed each probe to be assigned its own designation instantly alerting the occupant to the leaks location.

On this project the probes have had to be mounted in difficult to access locations. The system is of course always protecting against leaks, however the AquiTron AT-MZA also constantly monitors for cable and probe faults giving reassurance of total protection.





Find leaks before they find you!

Leak detection within an apartment block:

- ① **Bathroom**
Monitoring the sanitary voids of the bath, shower, vanity unit and WC.
- ② **Kitchen**
Monitoring high risk connection points of sink, dishwasher and water cooler.
- ③ **Bedroom**
Monitoring for refrigerant gas from the air conditioning system.
- ④ **Utility room**
Monitoring high risk connection points of washing machine, sink, water heater and underfloor heating manifold.



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