



Project(s)

Freecool Air Conditioning & VESDA System



Client(s)

Major Blue Chip Media Provider

When you have hundreds and hundreds of data rooms situated all over the country, air conditioning is one of, if not the biggest, operating expense that you will have. One of our major blue chip Media provider clients has found a partial solution to this problem.

Their solution is to implement Freecool Air Conditioning units which have the capability to run in "dx" or recirculation mode as a normal A/C unit, however these units have the function to bring in fresh air from outside with an internal damper mechanism.

Fantastic! Cool the much cooler air from outside and switch to cooling the room air if its cooler in the summer, except there is a small problem... What if you have a Gas Suppression system in the room? The introduction of potentially "dirty" air from the outside could (and has) caused the Gas Suppression to falsely release.

This was the problem presented to Bryland Fire from our customer who has had several unintentional gas releases from unwanted airborne dirt.

The Solution was to fit a VESDA system to the Freecool unit in question. The VESDA unit samples the air coming from outside and on the detection of excessive particles in the air (dirt) – it automatically switches the A/C over to dx or recirculation mode, hence keeping the data room environment clean.

One happy customer! Reduced cooling costs, a much reduced risk of False activations of the gas suppression and a cleaner environment in the data room. The application has now be replicated on dozens of sites all over the UK to the customers delight, saving a huge amount of energy and helping towards their energy saving targets.

With nearly 50 years' experience, Bryland Fire Protection are based in Dudley in the West Midlands and are specialists in all things Fire related from Alarms and Extinguishers through to Fire Suppression, Servicing and Training. They can be reached on 01384 573350 or at sales@brylandfire.co.uk.

