

## ON THE AWARD-WINNING CITY MULTI HYBRID VRF

### EDUCATION FACILITIES

Many educational facilities need a highly controllable and energy efficient HVAC system to overcome the solar gain that can overheat a classroom and disrupt learning. A Hybrid VRF system will simultaneously heat and cool individual classrooms, providing the desired room temperature in which to best learn.

### MEDICAL CENTRES

With refrigerant removed from the occupied space, a Hybrid VRF system provides stable temperature control, keeping patients and medical teams at the optimum comfort levels at all times.

### HOTELS

Hybrid VRF provides stable air temperature control for hotel guests with no refrigerant required in occupied spaces, meaning simple compliance with BS EN 378, and removing the need for expensive leak detection.

### HIGH-RISE BUILDINGS

Hybrid VRF is perfect for modern, airtight high-rise buildings, combining the comfort of a traditional chiller with the efficiency and ease of VRF air conditioning. By utilising lower GWP R32 refrigerant, Property Developers and Owners can achieve their CSR targets, as well as future-proof their buildings.

### SHOPPING CENTRES

A Hybrid Branch Controller (HBC) is at the heart of the Hybrid VRF system. Each HBC can be expanded by using Sub HBCs, meaning it supports up to 50 indoor units, from a choice of ceiling concealed ducted, ceiling cassette, wall or floor mounted types, supporting each retailer's design requirements.

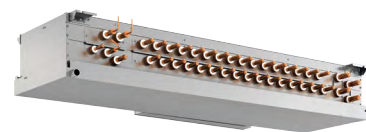
### CARE HOMES

City Multi Hybrid VRF combines high levels of both comfort control and energy efficiency. Hybrid VRF produces savings of up to 30% over heat pump systems.

### OFFICES

The flexible design makes Hybrid VRF ideal for offices, as the decentralised system allows for both phased installation and easy adaptations when reconfiguring office internal layouts. As the refrigerant is only present from the outdoor unit to the HBC, there is no requirement to de-gas, making it perfect for Cat A to Cat B fit outs.

## R32 | Hybrid VRF



SUPPORTS UP TO  
**50 INDOOR  
UNITS**



**CEILING  
CONCEALED  
DUCTED**



**CEILING  
CASSETTE**



**WALL  
MOUNTED**



**FLOOR  
STANDING**

**UNIQUE 2-PIPE  
HEAT RECOVERY SYSTEM -  
OUTDOOR UNIT  
CONNECTS TO A HYBRID  
BRANCH CONTROLLER (HBC)  
WITH WATER PIPEWORK  
BETWEEN HBC  
AND INDOOR UNITS**

**LOWER  
GWP  
R32  
REFRIGERANT**

**HIGH EFFICIENCY  
SYSTEM,  
DELIVERING  
OUTSTANDING  
SEASONAL ENERGY  
PERFORMANCE**

**MANAGEABLE  
PHASED  
INSTALLATION  
IDEAL FOR  
CAT A TO CAT B  
AND RETRO-FIT**



**AWARD  
WINNING**



**NO REFRIGERANT  
IN OCCUPIED SPACES  
SO NO NEED FOR  
LEAK DETECTION**

## CASE STUDIES



The Haymarket Hub Hotel, Edinburgh

How to deliver high levels of guest comfort and improve energy efficiencies.

- The project was the total refurbishment of a 195-bed hotel in the heart of Edinburgh, into a boutique luxury hotel, offering business class service.
- The entire HVAC system urgently required replacement. The brief was to reduce running costs, while offering high quality comfort control for guests.
- The R32 Hybrid VRF system provides stable temperature control for each room and has significantly helped to reduce operating costs.

[TO READ MORE](#)



Acticare Head Office, Hereford

How to prioritise employee comfort and wellbeing, whilst reducing your carbon footprint.

- The project was a new build open plan head office with satellite offices and meeting rooms.
- The brief required high levels of stable climate control and compliance with BREEAM building standards for sustainability performance.
- The R32 Hybrid VRF system proved easy to install, inexpensive to maintain and easy for employees to control temperatures in all spaces.

[TO READ MORE](#)

For further information and case studies, please visit [hybridvrf.co.uk/consultant-focus](https://hybridvrf.co.uk/consultant-focus)