

Private Client

Dublin Logistics Park, 2019

PROJECT

A secure warehouse and offices was being purpose-built for a secret client at the Horizon Logistics Park near Dublin Airport. The building and layout is state of art to say the least. In order to fit this profile the air conditioning system installed by **Tech Refrigeration and Air Conditioning** is also state of art in the form of the **Mitsubishi HVRF Hybrid City Multi System**. This office is one of the first to be completed with the water-based technology. An office interior with an edgy industrial feel but boasting some of the best and newest VRF Technology on the market.

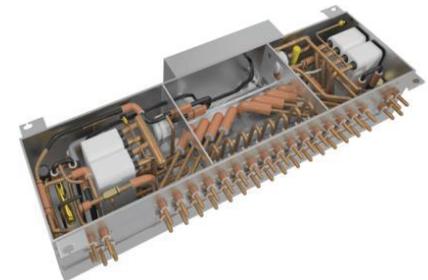


PRODUCT

The Hybrid VRF is a two-pipe heat recovery VRF with water between the Hybrid Branch Controller (HBC) and the indoor units. You can install and design it as a VRF system whilst enjoying the features of a chiller system.

The Hybrid VRF is the latest addition to the **Mitsubishi City Multi** family. Built and assembled in the same factory as our VRF units thereby carrying its distinctive DNA in terms of technology, efficiency and reliability. With water at the indoor units, the Hybrid VRF provides comfortable and stable air temperature control with no refrigerant in occupied spaces. Meaning simple compliance to BS EN378 and removing the need for leak detection and also scoring highly in terms of BREEM & LEED.

The Hybrid VRF is quick, easy & flexible to design and install using the same control and network as the VRF systems. Perfect fit to provide a complete modern solution for new office buildings with the desire to stand out.



SYSTEM

The unique HBC Controller, the centre piece of the HRVF system, connects the outdoor unit to the indoor units and enables heat transfer between refrigerant in the external circuit and water in the internal circuit. Inverter-driven pumps are built in and pump the water to the last indoor unit up to 90m away. We combined HBC Controllers to cover a larger floor area and increase the size of the systems with the added benefit of having less refrigerant in the occupied spaces. This added value to the overall Gold Standard LEED score which the building achieved.

CONTACT

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