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# Case Study: MHI MINI VRF

Canvas, 385-389 Oxford Street,  
London

## CASE STUDY: MHI MINI VRF CANVAS, 385-389 OXFORD STREET, LONDON

Founded by two brothers in 2013, Canvas is dedicated to creating the best possible workplace experience for growing businesses. By transforming forgotten buildings into inspirational spaces, it aims to combine the advantages of private offices with communal facilities and the perks of co-working.

Canvas now has sites across London and more than 900 clients. When developing its latest co-working project at 385-389 Oxford Street, air conditioning was a key requirement to ensure that it provided a comfortable, fresh and modern office space.

Canvas contacted Kent-based Jack Frost Air Conditioning to deliver a turnkey solution that provided year-round comfort and could be retrofitted into the existing building, whilst avoiding the need for cranes on site to place condensers on the roof.

Jack Frost Air Conditioning selected the MHI Mini VRF systems with wall mounted indoor units for the project. With condensing units available from 12.5kW up to 33.5kW and benefiting from a compact design, the units could be placed onto the roof without a crane whilst maximising space.



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Two Mini VRF systems were installed. The first, at 15.5kW, is connected to five wall mounted units, whilst the second (22.4kW) is connected to six wall mounts. All units have a local touchscreen controller and both systems are also connected to a centralised controller.

Jack Funnel Cowan of Jack Frost Air Conditioning, said: "The ongoing support I receive from MHI Direct helps with larger projects like this. The product is always reliable and competitive on price.

**"The system was simple and easy to install; the wiring diagrams and schematics are helpful and don't leave much room for errors to be made. The equipment is just brilliant; the quality is good and I personally like all the features. I will now always come to MHI for future projects."**



The aesthetics of the indoor units were important to Canvas as it wanted to maintain the fresh and modern feel. MHI's FDK range of indoor units has recently been re-designed with a modern, flatter look, new state-of-the-art louvre control system and jet technology to enable uniform air conditioning even in the furthest corners of the room.

According to industry figures, up to 80% of the operational cost of running a building are related to the heating, ventilation and air conditioning systems, so it is here that the most potential for long term savings can be found. Jack Frost Air Conditioning wanted to ensure optimum comfort and running efficiencies so also installed the MHI SC-SL4-AE centralised controller, which features a 7-inch interactive LCD display.

This high quality controller offers many energy saving features as well as control, monitoring, scheduling and service/maintenance functions for up to 128 indoor units, which can be controlled, scheduled, monitored and interrogated either individually or as groups. Floor plans can also be uploaded to the controller, making it easier for the user to identify any unit from a floor plan, rather than just a name.

Jack added: "The customer has no complaints, and they love the centralised controller. They know how to access the system remotely and are very happy with it. Everything they wanted it to do, it does. They have scheduled the system to come on at 8am and turn off in the afternoon. The commissioning was very helpful to show the customer how it works and this made it so much easier for them and myself."

The latest report from BSRIA reveals steady growth in the Mini VRF market since 2016 (apart from a dip in 2020 during the Covid pandemic), for applications where space and access are at a premium.

Wholesaler HRP supplied the MHI equipment and Kevin Pocock from MHI Direct, said: "The BSRIA report shows the increasing demand for Mini VRF and the MHI equipment ticked all the boxes for the customer. It's always satisfying to be able to come up with a solution for a project like this, where the requirements are so specific. MHI Mini VRF is simple to install, delivers outstanding comfort and also looks the part, which was particularly important on a development like this."

**For more details about our range, please contact MHI Direct or your local Beijer Ref branch today.**