

Adagio Hotel, London



Comfort by design: Daikin VRV IV+ installation at new London apartment hotel

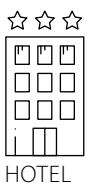
A new London apartment hotel has opened its doors to guests with an extensive Daikin VRV IV+ heat recovery air conditioning installation, set to deliver year-round comfort. The Adagio Hotel on Whitechapel Road complements three other Adagio sites to the north, west and south of the capital's centre. It has good transport links and is close to a busy Underground station.

The eight-storey hotel has 145 air-conditioned apartments, ranging in size from studios up to 'co-living' units consisting of four bedrooms and a lounge.

Guests get a compact but comfortable 'home from home' hotel-style environment where they can work, eat and sleep in comfort. The hotel offers an optional breakfast service but also provides in-room catering facilities, allowing guests

the flexibility to prepare and enjoy their own meals. This gives guests the choice to dine in the comfort of their apartment or venture out to explore London's diverse and vibrant dining scene.

Developed for Adagio by London-based Bamfords Property Trust, the hotel ensures year-round indoor comfort for guests through its substantial Daikin VRV IV+ heat recovery air conditioning system. Martin Hart, Bamford's Client's Project Manager, provides the overview: "Our brief was to deliver a high-efficiency heating & cooling system with cutting edge technology for BACNET BMS integration."



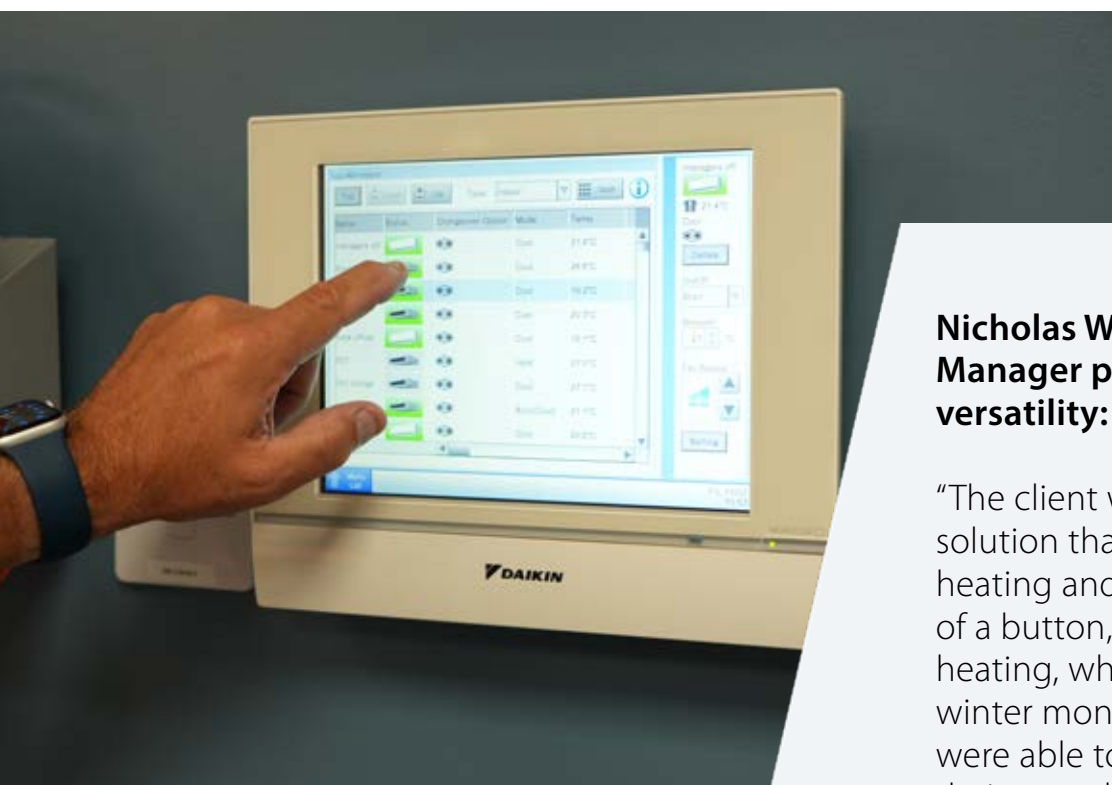


Installed by Daikin D1+ Partner, Direct Cooling Services (DCS) of London, the system consists of 20 roof-mounted outdoor units and 206 slim concealed ceiling units. All apartments have at least one ceiling unit – but the larger apartments have more, with the largest ‘co-living’ rooms (with a lounge and four bedrooms) having five individually controlled units.

Martin Ball Director DCS explains the client’s desire for a State-of-the-Art system: “Our client wanted one of the best systems on the market to interface with the hotel’s mechanical strategy, room keycards, window contacts and refrigeration alarms - all monitored by the Daikin I-Touch Manager.”

In addition to the rooms, the ground floor reception and breakfast room, as well as basement service areas, are all air-conditioned, adding a further 15 ceiling units.

Each indoor unit is locally controlled via a white Daikin Madoka wired controller, while the whole system is centrally managed through a Daikin I-Touch Manager.



Nicholas Weymouth, DCS Project Manager points out the system’s versatility:

“The client wanted a seamless solution that offered simultaneous heating and cooling at the touch of a button, along with continuous heating, whilst on defrost, during the winter months. Along with Daikin we were able to meet that request to their complete satisfaction.”



For maximum operational flexibility – and optimal comfort – the three-pipe system enables each ceiling unit to have individual control. This means, for example, that in apartments with more than one ceiling unit, guests could choose to heat one room and cool another at the same time.

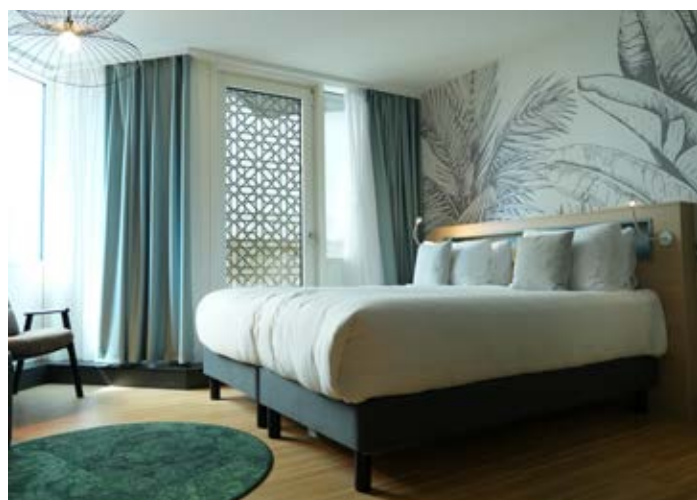
From a management perspective, the three-pipe system can provide operating cost benefits where waste heat or cooling from some parts of the building can be used to warm or cool other areas.

The Daikin VRV IV+ system uses the well-proven and widely used R-410A refrigerant. All Daikin equipment manufactured at its facility in Belgium comes pre-charged with 100% certified reclaimed R-410A lessening the potential impact on the environment compared to using virgin refrigerant.



Mick Matthews, the client's mechanical consultant who designed the entire project said positively:

"We have worked extensively and very successfully with Daikin and their VRV-IV system on numerous projects, and were pleased to put them forward again for this hotel."



Kit List

Model	Description	No of units
REYQ-U	VRV IV+ Heat recovery outdoor	20
BS1Q	Branch selector box (single)	206
BS4Q	Branch selector box (4-way)	1
FXAQ-A	Wall-mounted indoor units	1
FXDQ-A	Slim concealed ceiling units	206
BRC1H52W	Madoka controllers (white)	207
DCM601B51	I-Touch Manager	1

For further details visit our website:

https://www.daikin.co.uk/en_GB/about/case-studies/adagio.html

