



Energy efficient and stylish low carbon flats use Ecodan®

When you are looking to develop a prestigious and stylish block of 14 luxury apartments, not only do you have to ensure you comply with the latest planning laws and building regulations, you are also expected to deliver elegant, modern homes that are both sustainable and future-proof.

Mizen Group Co. is a leading, privately owned housing developer that is able to draw on years of experience in construction, design, surveying and project management.

“The overriding requirement was for energy efficiency and this is where Ecodan air source heat pumps score so well. It’s easy to see why Mitsubishi Electric’s Ecodan is the market leader.”
Bernard Tansey, Chairman of Mizen Group Co.



Air Conditioning | Heating
Ventilation | Controls



ecodan®
Renewable Heating Technology



Installation Summary

Application Type

14 Luxury residential apartments

System Capacity

13x5kW and 1x8.5kW Air Source Heat Pump units with 180 and 210 litre cylinders

Heat Delivery Method

Underfloor Heating

Thermal Properties

High thermal performance, energy efficient windows, heat retaining walls and floor insulation.

The development delivers a premier solution that not only met Mizen Group Co's own high corporate standards, but also surpassed planning requirements, and offers a highly attractive proposition to potential buyers.

Key to getting planning permission was the need to provide a sustainable and renewable solution to the building's heating requirement. The application had to get past the exacting requirements of the local authority covering the Wimbledon area - Merton Borough Council, as well as meeting the strict requirements of Level 3 of the Code for Sustainable Homes.

To meet the need for renewable heating, the consultants chose Ecodan air source heat pumps linked to underfloor heating and commissioned Woodford Heating Ltd, an Accredited Ecodan Installer. Classed as renewable by both the UK and EU Governments, air source heat pumps harvest free heat from the outdoor air and upgrade it to provide a home's heating and hot water. On average, they can deliver 3kW* of heating for every 1kW of electricity they consume.

"Ecodan was the most practical solution as it is straightforward to install and we were able to site them discretely on the balconies."
John Hodgson of Woodford Heating.

Each balcony is only 1.4m wide so Ecodan's small footprint has really helped with installation. It is also important that the units run silently and efficiently and the fact that Ecodan is the only air source heat pump system with Quiet Mark accreditation was also an important factor. The units are MCS-approved and are manufactured in the UK. With 5kW, 8.5kW and 14kW models, they can help a house achieve Levels 3 and 4 of the Code for Sustainable Homes. Mitsubishi Electric also manufactures a British-built cylinder and self-learning controls, which offer a weather compensation facility.

Mizen Group Co. has an on-going commitment to the environment and creates homes that are beautiful and energy-efficient, requiring less maintenance and lasting longer than conventionally built housing.

Trinity Lodge highlights the success of Mizen Group Co. in building stylish, sustainable homes that people want to live in.

* As tested to BS EN14511 Part 3. Based upon standard test conditions. Due to the method of operation, the performance of heat pumps will vary based upon the temperature of the heat source and the requirements of the heat delivered.



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Certificate Number: MCS HP0002
Product Reference: PUHZ-W50VHA-(BS)
PUHZ-W80VHA2-(BS)
PUHZ-HW140VHA2/YHA2-(BS)



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Mitsubishi Electric's commitment
to the environment



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