



Housing trust selects energy efficient sustainable heating for optimal comfort

Hunters Gate is a development of 36, two-bedroomed apartments built by Peaks & Plains Housing Trust to offer affordable new homes in Handforth, Cheshire.

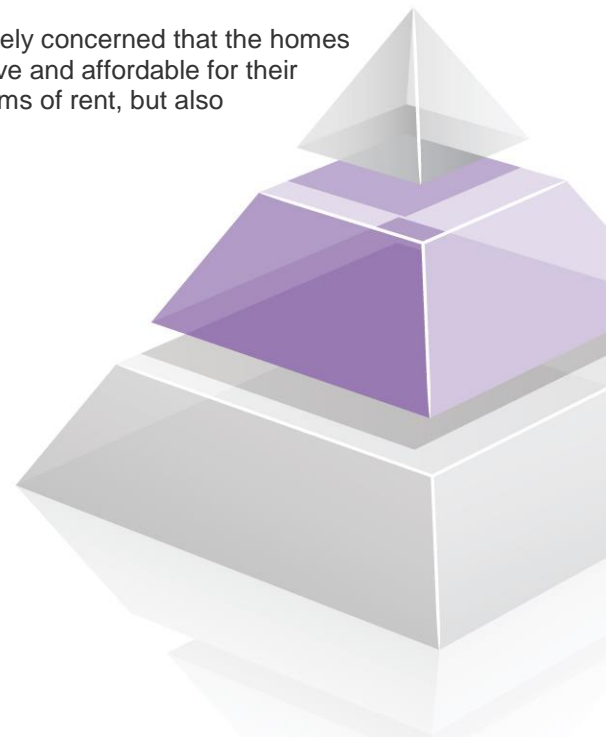
Constructed to exacting standards the apartments have achieved Level 4 of the Code for Sustainable Homes.

The £3.7million project forms part of a commitment by the Trust to build over 200 reasonably-priced homes over the next three years.

The Trust was extremely concerned that the homes should be cost-effective and affordable for their tenants not only in terms of rent, but also energy bills.



Air Conditioning | Heating
Ventilation | Controls





Installation Summary

Application type:
Community heating system for residential development

Product:
5 x 43kW CAHV Ecodan Air Source Heat Pumps

Capacity:
200kW heating to 36 apartments

Heat delivery method:
Underfloor heating and domestic hot water

“With energy costs on the rise one of our top priorities was to develop homes that were fuel efficient to help our tenants avoid falling into the fuel poverty trap. We are also very aware of the effect that carbon emissions have on the environment, and as a Trust we are also keen to reduce these emissions from our properties.” said Loveday Gimson, Housing Officer for Peaks & Plains Housing Trust.

The new system is made up of five Ecodan® CAHV 43kW air source heat pumps supplied and installed by Coolair Ltd. Together they provide over 200kW of heating to the 36 apartments.

“The Ecodan CAHV units provide the Trust with a communal heating system that also offers their tenants individual control over their own apartment so that they can select their own internal temperature,” explained Nick Allpress, Contracts Engineer for Coolair.

Mitsubishi Electric’s Ecodan CAHV system is designed to cope with the dynamic heating loads required by a community heating system and allows the capacity to increase in 0.5kW increments, from 18kW right up to 688kW, a level of modulation that is unprecedented within the heating industry.

The new system will be easy to maintain and although it uses less energy than some other forms of heating, it will not compromise on performance.

A full energy monitoring package has been installed on site to monitor the system and report live data remotely. This enables the Trust to keep a check on how the system is performing for their tenants.

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Telephone: 0870 3000 070
email: corporatesolutions@meuk.mee.com
web: www.livingenvironmentalsystems.mitsubishielectric.co.uk

UNITED KINGDOM Mitsubishi Electric Europe Living Environmental Systems Division
Travellers Lane, Hatfield, Hertfordshire, AL10 8XB, England General Enquiries Telephone: 01707 282880 Fax: 01707 278881
IRELAND Mitsubishi Electric Europe Westgate Business Park, Ballymount, Dublin 24, Ireland
Telephone: Dublin (01) 419 8800 Fax: Dublin (01) 419 8890 International code: (003531)

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