



Ecodan delivers a cascade of renewable heating for Jubilee Court

When Waveney Council was looking to replace aging gas heating at sheltered housing in East Suffolk, the social housing provider needed a cost-effective, alternative system that could be installed with minimal disruption to the tenants.

The existing gas commercial heating system has now been upgraded to 70kW of air source heat pumps using five Ecodan units working together in a cascade system – which matches the heating capacity on any given day in the most energy efficient way possible.



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Jubilee Court residents now have a modern, advanced heating system, providing energy efficient renewable heating to individual rooms. The lower temperature of the radiators and pipework is also an important factor.



Jubilee Court in Lansbury Road, Halesworth, offers 22 individual warden-controlled flats for elderly residents with the properties sharing a communal lounge, kitchen and laundry as well as gardens.

“We worked with Mitsubishi Electric to develop a solution that allowed us to remove the original gas boiler and modify the plant room to accommodate the supply from the Ecodan units,” explained Mark Southgate from Gasway, who installed the renewable heating system.

Norwich-based Gasway is a leading specialist within the heating and renewable market covering the whole of East Anglia and the company has worked with Waveney Council on several projects already.

“We kept disruption for the tenants to a minimum with the existing heating carcass remaining largely untouched, although the radiators and valves have been replaced throughout to accommodate for the new system,” Mark Southgate went on to say.

Heat pumps operate with lower flow temperatures than oil or gas but are still able to keep the residents warm and cosy. As a sheltered housing scheme with potentially vulnerable tenants, the low surface temperatures of the radiators and associated pipework also appealed to Waveney.

The five Ecodan units installed at Jubilee Court are programmed to work together or in isolation, depending on the heating requirements on any given day. This ability to ‘cascade’ capacity enables the system to deliver heating in the most energy efficient way possible and also means individual Ecodan units can be rotated, which helps prolong equipment life.



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Installation Summary

5 x PUHZ HW140YHA2 Ecodan units work together in cascade system to replace the existing commercial gas boiler. The units can operate together or individually to match the heating requirements whatever the weather.

“Waveney Council was already familiar with heat pumps and the system is also now eligible for payments from the Renewable Heat Incentive, which helps offset the initial upfront costs, so Ecodan was an obvious choice to replace this aging gas heating,” Southgate explained further.

Further details on the Ecodan range can be found at <http://ecodanerp.co.uk>

To find out how Gasway can meet your heating requirements, please call **0800 772 3406** or visit www.gasway.co.uk



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Certificate Number: MCS HP0002
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