

ClwydAlyn Housing Association and Williams Homes Bala install Ecodan heat pumps for new properties



Wales



63



2/3/4



1/2



1/2/3

ClwydAlyn housing association in Wales is installing air source heat pumps to reduce fuel poverty and decarbonise their housing stock.

They manage some 6,200 homes in total. Their new ClywdAlyn, Glasdir site in Ruthin development, of 63 properties, ranges from apartments, adapted bungalows, semi-detached and detached homes. This is a low-carbon innovative scheme that, when completed, will use Ecodan heat pumps to provide residents with economical heating and hot water.

Legislation by the Welsh government requires the installation of renewable heating in new build properties. ClwydAlyn and Williams Homes Bala, the developer at this site, took the decision to use heat pumps long before the legislation was enacted.



The solution

When asked why they used Mitsubishi Electric’s Ecodan heat pumps, Stuart Hughes, ClwydAlyn’s Development Project Manager said: **“The service that we get is really good, one of the things we like with the way Mitsubishi Electric work is they support us and the contractor putting the units in.”**

The timber framed homes on this development are well insulated, which allows the heat pump to perform at its highest level of efficiency. With the addition of photovoltaic panels and batteries installed in the properties, this complements the energy usage of the Ecodan units so further reducing running costs.

The easy to install Ecodan units offer effective, efficient heating that aligns with new build regulations, providing tenants with their hot water and heating requirements.

Ecodan pre- and after-sales team supplied full site support through inspection, design, specifying, first fix, second fix, commissioning visits and residence handover to create the best experience possible.

With the help of Mitsubishi Electric, ClwydAlyn and William Homes Bala can continue to provide high quality, affordable living conditions for residents whilst maintaining great levels of comfort.

Summary:

- 63 Ecodan units installed
- Affordable, low carbon emitting heating for tenants.
- Full technical support from Ecodan engineers throughout process



Product Overview:



4kW



200L Thermal Store



Radiators



PV



EPC A



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Note: The fuse rating is for guidance only. Please refer to the relevant databook for detailed specification. It is the responsibility of a qualified electrician/electrical engineer to select the correct cable size and fuse rating based on current regulation and site specific conditions. Mitsubishi Electric's air conditioning equipment and heat pump systems contain a fluorinated greenhouse gas, R410A (GWP:2088), R32 (GWP:675), R407C (GWP:1774), R134a (GWP:1430), R513A (GWP:631), R454B (GWP:466), R1234ze (GWP:7) or R1234yf (GWP-4). *These GWP values are based on Regulation (EU) No 517/2014 from IPCC 4th edition. In case of Regulation (EU) No.626/2011 from IPCC 3rd edition, these are as follows. R410A (GWP:1975), R32 (GWP:550), R407C (GWP:1650) or R134a (GWP:1300).

