

Case Study: Ty Plas Isaf Care Home



A Carmarthenshire care home has recently upgraded its heating system with the installation of three Strebel ultra-low NOx boilers. The new boilers provide space heating for 33 resident flats and all communal areas at the home, which was originally built in 1987.

As part of the programme to improve energy efficiency it was decided to replace the existing floor-standing atmospheric boilers with three wall hung S-CBX 85kW gas condensing boilers. The new boilers are installed in cascade arrangement, and as well as being highly efficient, the S-CBX 85 boilers will minimise harmful emissions. With NOx emissions of only 23.1mg/kWh this boiler is one of only a few on the market which qualifies for the maximum two available BREEAM credits.

Bullock Consulting were keen to design a modern replacement boiler system which would reduce fuel consumption so that the client, Carmarthenshire County Council, would see savings on running costs as well as carbon and NOx emissions.

Swansea based Contractor, Andrew D'Auria Solutions Ltd, completed a phased installation fitting a single boiler and the cascade frame and pipework assembly initially. Following that the work was completed with the additional two boilers. Shane Clement, Commercial Manager, explained "We planned the installation this way to minimise downtime and to keep residents comfortable and happy. Our client is very pleased with their new system".



Location: Carmarthenshire
Install: February 2022
Product: 3 x S-CBX85 Boilers

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Low NOx emissions and high efficiency were major factors in equipment selection; the stylish case and matched cascade frame and pipework assembly also make for a neat installation

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Paul Bullock, Bullock Consulting