



Biofutures Case Study: Llwynifan Farm

Caravan park installs pellet boiler to heat site managers house.

Situated in the hills over Llangennech lies the tranquil caravan park Llwynifan Farm. The family run, adults only touring park, has 25 pitches and offers spacious heated shower rooms, toilets, dish washing facilities and laundry facilities.

Recently site manager and owner Hywel Davies ran into trouble with his current heating system. 'My old oil heating system decided after 16yrs that it had enough, and decided to give up (Just after I filled up the oil tank!) So instead of installing a new oil boiler it was decided to look into Biomass boilers.



Hywel Davies next to the newly installed Varmebaronen 20kw pellet boiler.



After visiting the site Biofutures came up with two solutions. The first was to install a Swedish Varmebaronen 20kw CU Pellmax boiler to provide space heating and domestic hot water to his home.

The Pellmax boiler is exceptional value and with payments from the Domestic Renewable Heat Incentive it offers many the opportunity to switch to green alternatives without breaking the bank! The CU boiler has an integrated domestic hot water cylinder, so it made the conversion from an oil combi boiler much simpler and very economical. Since it has an integrated cylinder there is no need to install a buffer vessel saving on space and cost. The Varmebaronen Pellmax CU boiler is a perfect solution when old combi boilers are being replaced.

The second solution was to install a Varmebaronen electric boiler into the facilities block, which will benefit from the electricity generated from a PV array already operating on site. Since the facility block had underfloor heating together with showers it made sense to utilise the electricity being generated on site for the heating requirement.

Biofutures director Kedrick Davies says, 'With reducing electricity costs and self generation it is clear that more and more homes and businesses will start to see electric heating as a viable alternative that has more benefits than traditional heating methods. Also if you switch electricity supplier to one that sources it's energy from 100% renewables then you really have an exceptional 'green' technology '

The installation for the biomass system took roughly a week, Hywel adds 'I could not praise the team enough, as everything was done with no fuss, and was left clean and tidy at the end of each day. My house is nice and warm, and I understand how it all works. I would highly recommend Biofutures.'

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