WDS green energy

Project Case Study

Miskin Manor Health Club, Llantrisant

Miskin Manor, a family-run grade II listed hotel was originally built in the 10th Century and was where the daughter of the Prince of Glamorgan once resided.
The manor and health spa is now set in twenty-five acres of beautiful Welsh landscaped grounds and was bought and restored in 1996 by Leah and Colin Rosenberg.

The Problem:
In more recent years the family decided to undertake a complete refurbishment of the leisure facilities, a project which was headed up by their daughter Amanda. They wished to find a more sustainable and cost-effective way of providing heating and hot water for their project.

The Solution:
WDS won the contract to provide Miskin Manor Heath Club with a sustainable solution to cut down their potentially high heating costs by installing two 28kW air source heat pumps, one heat pump being dedicated to heating the swimming pool water with the other assigned to heating and hot water demands for the newly refurbished parts of the building.
Fan convectors were used as heat emitters for the new bistro, changing areas and adjoining corridor providing a warm, pleasant environment for their clients.
With a large volume of water being used on site, WDS Green Energy installed a water borehole to provide water for the pool and building. A water treatment plant was installed to ensure water quality was optimum.

The Benefits:
The integrated systems were designed to maximise the use of sustainable energy technology and since commissioning in December 2008 the performance of the heat pumps has proved exemplary, meeting all of the expectations of the client with running costs being well within design parameters

Now Miskin Manor are able to offer their members and visitors a luxurious warm indoor swimming pool and spa area, state of the art gym and a small bistro making it a delightful retreat to exercise, relax, unwind and socialise with friends.

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