

Green heating for new restaurant

- › PROJECT | NEW-BUILD HUF HAUS RESTAURANT
- › INSTALLER | REDBLUE ENERGY, UK
- › SYSTEM | WPF 32 SET GROUND SOURCE HEAT PUMP

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Heating and hot water with ground source heat pumps



The Project | A stunning new restaurant in Anglesey is using eco-friendly heat pump technology to provide heating and hot water.

The Oyster Catcher in Rhosneigr – on the site of the old Maelog Lake Hotel – has been designed and built by renowned German firm Huf Haus.

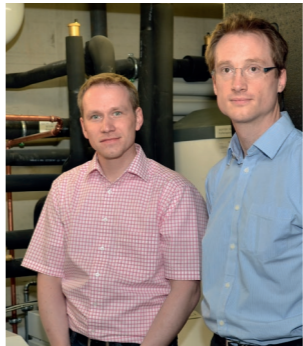
Backed by the Timpson retailing family, the distinctive Oyster Catcher restaurant is aiming to become Anglesey's leading fine dining destination, and will also incorporate a Cadet Chefs' Academy.

Timpson engaged Huf Haus, a German company famous for glass-fronted, environmentally friendly properties to work in partnership with them to create a building fit for its stunning location.

The glass structure has several energy efficient features, including a series of bore holes with a ground source pump to provide hot water and heating and modern control systems that keep energy use to a minimum. The stunning glass-fronted venue opened in May 2012.

The System | The building has incorporated a state-of-the-art STIEBEL ELTRON WPF 32 Set heat pump system. STIEBEL ELTRON worked closely with Huf Haus's UK renewable energy installers RedBlue Energy to specify a ground source heat pump system to meet the restaurant's demanding requirements.

The heat pump – installed through a bore hole system – will provide space heating for the restaurant through underfloor heating and hot water for the wash rooms and the kitchens.



Torsten Schneider of RedBlue Energy worked closely with STIEBEL ELTRON UK technical director John Felgate on the Oyster Catcher project

We assessed the energy requirements of the building and specified a ground source heat pump which matched the energy requirements of this building. Four independently controlled weather-compensated heating circuits are driving underfloor heating and air-handling ventilation units.

Our WPF 32 Set heat pump set was matched to the requirement of the building and our twin compressor system offers a failsafe solution, with each heat pump able to run independently if needed. A fast-response hot water solution was specified for use during peak demand periods when the restaurant is really busy, and the WPF 32 is able to meet this demand quickly and efficiently.

Impact | The restaurant owners were committed to developing an eco-friendly venue and are delighted with the performance of the system so far. Huf Haus properties are extremely energy efficient and are a perfect fit for STIEBEL ELTRON products, with both designed and manufactured to the highest standards in Germany.

Using the WPF 32 Set will significantly reduce CO2 emissions and save thousands of pounds each year on energy bills.

STIEBEL ELTRON UK went through a lot of different configurations and designs before hitting on a perfect system that matches the specific brief of the restaurant owners and RedBlue Energy. At STIEBEL ELTRON we pride ourselves on being able to offer a bespoke system for each project we undertake, working alongside the property owner and installer from the very start to ensure each green energy system works to maximum efficiency.

New build restaurant

- › Anglesey, Wales
- › Built: 2012
- › Heating space: 600m²

The Company | STIEBEL ELTRON UK provides green technology to heat your property, conserve energy and reduce your bills.

For 90 years we have offered our customers products and services of exceptional quality with a focus on protecting the environment. With an unbeatable breadth of green technologies including Ground and Air Source Heat Pumps, Solar Thermal and Solar PV, we design systems specifically to suit your project. We also offer a wide range of innovative electric heating and instantaneous hot water heating systems for homes, businesses and the public sector.

At STIEBEL ELTRON UK we work with installers, architects, builders and end users to ensure all the components are appropriate to your individual requirements, maximising performance and return on investment.

STIEBEL ELTRON UK works across a wide range of sectors, from new-build and retrofit homes to hotels, restaurants, schools and commercial buildings.

