

Maple copse





Installation summary

Location:	Surrey, England
Year:	2017
Type of installation:	Ground source
Power:	ecoGEObasic 5-22kW
Services:	Heating, cooling and DHW

Background

Having bought this mill house in need of total renovation, the new owners were keen to use the mill pond as an energy source to reduce their carbon footprint.

After talking to isoenergy it was determined that the mill pond was too small to use coiled pipe in. It was however, large enough to put a set of EnergyBlade river heat exchangers in the stream behind a small weir. The EnergyBlades are connected to an Ecoforest ground source heat pump in the plantroom next to the stream.

The heat pump is an inverter driven model from Ecoforest which can modulate its output based on the outdoor temperature so that the running costs are kept low. Heat is then piped to the house a short distance away using highly insulated pipe buried underground. The heat pump system produces all of the heating

Photos of facility





ecoFOREST

biomasa - bomba de calor - solar

