

CASE STUDY



DORSET HOUSE

This rural property in Dorset installed a Nuenta Energy Blade as a means of collecting energy from a stream in the garden. The Energy Blade means they can extract up to 20kW of heat from the stream all year round. This means the heat pump, installed by isoenergy has a constant stable heat source without the need for a large collector array or the drilling of boreholes.

The Energy Blade collector array has saved thousands of pounds in collector installation costs and takes up only a fraction of the footprint.

The pictures on the right are taken just after installation and before the area was decked over and landscaped.



Energy Blade heat exchanger in situ



Weir controls optimum water level

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CASE STUDY



ARLE HOUSE

The owners of this house were faced with an expensive bill for drilling boreholes for their heat pump until they were told about the Energy Blade heat collectors. With a stream running by their house, they had the perfect opportunity to install Energy Blades to collect the 45kW of heat they needed.

There is no better way of extracting so much heat from such a small footprint.

The picture on the right shows the Energy Blades in the channel constructed as a water feature.



Three Energy Blade collectors in a water feature

ENERGY
BLADE
3KW

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Energy Blade heat exchanger in situ

MILL HOUSE

The owners of this house in Surrey were keen to make use of the river that flows through the old mill house to collect heat for a heat pump. An Energy Blade was seated directly on the river bed using wooden sleepers to keep it out of the silt.

This installation method means the blades are hidden from view as even the flow and return pipework penetrates the river bank below the water line.

The installer in this project added lifting points to the Energy Blades should they need to be moved for future dredging.



The Energy Blade sits on the river bed

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CASE STUDY



THAMES HOUSE

This house overlooking the river Thames installed energy blades to collect energy from the river itself to heat the house and provide hot water.

Energy Blades are much more reliable than an open-loop heat pump system as there are no filters to clean and there is no abstraction of water from the river.

The Energy Blades can be mounted under an existing jetty or placed directly on the river bed next to the bank.



Energy Blade collector mounted alongside river bank



The house sits on the Thames



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