

## Case Study

GSHP system for new extension to Flint Barn  
West Sussex



### At a glance

- 19kW GSHP system
- 4 x 110 metre boreholes
- Removal of the old oil heating system
- BUS funding grant
- Ongoing support from the dedicated Nicholls Service and Maintenance Department.

### Objective

Our client wanted to move away from their existing oil heating system and be more sustainable.

### About the project

As part of some remedial works to a converted flint barn we installed 4 x 110 GSHP boreholes underneath the footprint of the new extension. This allowed minimal disruption to the well kept gardens.

Our Nicholls' design team had calculated the requirement for a 19kW Vaillant heat pump and as Nicholls are a Vaillant approved installer, the client benefits from a 7 year parts warranty.

The whole system runs from a solar array, keeping the carbon footprint of the property to a minimum.



*“Nicholls Boreholes were extremely professional from the outset and managed all the typical site constraints and complications well. The service has been amazing.”*

*Client*