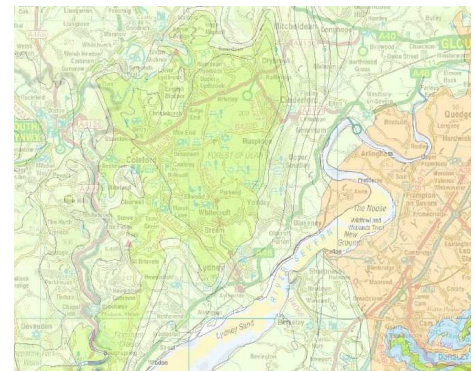




Step by step guide to installing an open source heat pump system

Step 1 Borehole abstraction feasibility study

Before any system design is undertaken we highly recommend that a SAP report to establish the heat load of the property and full hydrogeological survey is undertaken at a cost of around £450+VAT. This will give a clear indication as to whether there is enough water in the ground to support the heat pump/ heat load of the property and will indicate if it is financially feasible to abstract it.



Step 2 Site consultation and system design

We meet with yourselves and the other contractors including the drilling team to agree timings and share information on requirements for the system to be installed, culminating in a Project Agreement: a clear statement of what is expected from ourselves and what measures are required regarding other works in order to successfully accommodate the Heat Pump system.

Step 3 Borehole installation and testing

As described in the borehole section the drilling team will arrive on site and drill the borehole in accordance with the findings from the feasibility study, the borehole is then pumped to prove its yield is as expected and water samples taken. Excavation of trenches, the laying of the polyethylene connection pipes and installation of borehole pump control system.





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Step 4 Heat pump installation

The ground source heat pump(s) will be installed by our engineers and connected to the borehole, the domestic distribution system (domestic hot water and central heating etc.) and mains electricity supply.

Step 5 Commissioning

Pre-commissioning checks will be carried out by our engineers, this process will concentrate on completeness and suitability of the domestic distribution system, heating controls and electrical supply. The system will then be commissioned.

