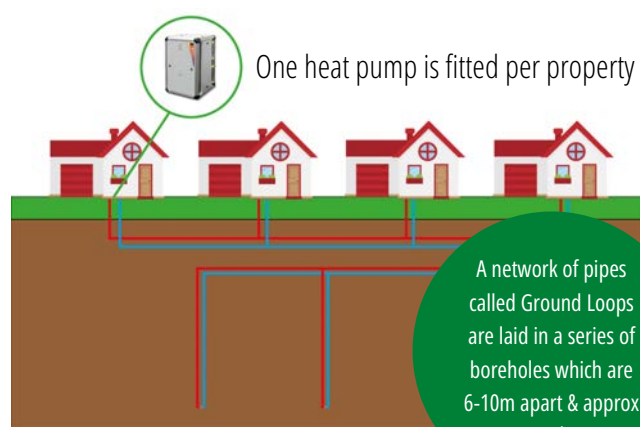




SHARED GROUND LOOPS

RENEWABLE HEATING SYSTEMS
DESIGNED FOR COMMUNITIES



One heat pump is fitted per property

A network of pipes called Ground Loops are laid in a series of boreholes which are 6-10m apart & approx 100m deep.



Energy Efficiency of up to 400%



Sustainable Low-Carbon Solution



Low Maintenance System

HEAT PUMPS AND SHARED GROUND LOOPS EXPLAINED...

Ground source heat pumps (GSHPs) offer an environmentally friendly and low carbon solution for providing hot water and heating. GSHPs absorb naturally stored heat from the earth using a network of pipes (ground loops) laid in vertical boreholes in the ground. A water/anti-freeze mixture is fed through the network of pipes, gathering heat and passing it to a compressor where the temperature is then raised to provide heating and hot water to the property. GSHP's using boreholes are the most efficient heat pump system as the temperature of the energy collected underground is a constant 10-12°C all year round.

Our shared ground loop installations work by using one borehole to provide energy to two or more properties, this helps to reduce costs and disruption. Each property in the community is fitted with its own heat pump which the resident can control and set to their preferred temperature.

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As the exclusive UK distributor of MasterTherm heat pumps, we can provide highly quality systems which use inverter technology to increase unit lifespan and efficiency. MasterTherm have spent over 25 years researching and developing heat pumps. Units are available in a variety of sizes including those small enough to fit in an airing cupboard. Each heat pump is internet-connected for online monitoring 24 hours a day, seven days a week.

MasterTherm Heat Pump Installations Benefit From...

- ✔ Over 25 Years Research and Development
- ✔ Remote Online Monitoring
- ✔ A 7 Year Warranty
- ✔ Smartphone App Controls
- ✔ Inverter Technology to Increase Efficiency & Lifespan
- ✔ Compatibility With Agile Tariffs & Load Shifting



Why Choose Thermal Earth?

At Thermal Earth we have over 14 years experience in renewable energy technologies and we're fully industry accredited. We've installed over 2500 heat pumps across the UK, working on projects of every scale from rural residential properties to industrial factories. Our highly-skilled and knowledgeable in-house team are able to manage and deliver all aspects of your installation, from design and drilling to electrics and pipework. Our Engineers are MCS accredited to give a final sign off on your project. We can offer you a seamless installation and simple project management experience by offering one point of contact for all aspects of the work we undertake.



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