



geothermalinternational

commercial

The Heat Pump Experts



geothermalinternational

The heat pump experts

Geothermal International has been installing heat pumps for more than a decade and has developed a complete turnkey service for ground source and air source systems. From geological surveys and heating system design, through to installation and commissioning, GI combines knowledge and expertise with reliable products and the reassurance of prompt and efficient after sales service.

Savings all round with eco-friendly heating and cooling

Heat pumps can be used for both heating and cooling commercial buildings and, with annual fuel savings of up to 70% per year, they represent an increasingly important renewable energy technology. Heat pumps work by extracting solar energy stored in the ground, water or the air. They emit no greenhouse gases, require no external flues or fuel storage and can work alongside other renewable sources such as solar panels. They also require very little maintenance, keeping servicing costs to a minimum.

A complete range of products for all applications

If the property has a substantial area of land or access to a water source, such as a lake, the full range of GI heat pumps will be available, including horizontal ground loops and the Slim Jim frame heat exchanger lake plate. Where land is limited, the options include vertical bore holes, integrated piling systems (for new build properties) and air source heat pumps. With outputs up to 1,000kW and the ability to link units together there are no limits to the size of installation we can undertake.

Even more savings

Many projects are eligible for some form of funding, with grants, such as the Low Carbon Buildings Programme and the forthcoming Renewable Heat Incentive, playing an important part in the installation of renewable energy technologies. There are numerous schemes, which are subject to change and we ensure that we are always up to date with funding information, so that we can help our clients to understand and apply for relevant funding wherever possible.

International Network

We have developed a comprehensive range of heating and cooling products which satisfy the climatic and market conditions of European countries. This has helped to spread the success of GI across the continent, with an established network of partners in nine countries.

Product Range



Small Water to Water

17 models
Heating & Cooling Capacities 4kW - 36kW



Small Air to Water

17 models
Heating & Cooling Capacities 4kW - 36kW



Reversible Water to Water

19 models
Heating & Cooling Capacities 100kW - 1,000kW



Medium Air to Water

8 models
Heating & Cooling Capacities 28kW - 84kW



Simultaneous Water to Water

19 models
Heating & Cooling Capacities 100kW - 1,000kW



Large Air to Water

19 models
Heating & Cooling Capacities 100kW - 1,000kW



Dry Air Coolers

13 models
Rated Capacities 250kW - 1200kW



Water to Air

11 models
Heating & Cooling Capacities 1kW - 35kW



Fresh Air & Air Handling Units

8 models
Air Flow Capacities 1250 l/s - 4444 l/s

Bespoke Products



More than 120 heating & cooling products

Head Office

Spencer Court, 141 - 143 Albany Road, Coventry CV5 6ND, United Kingdom
T +44 (0)24 7667 3131, F +44 (0)24 7667 9999, E info@geothermalint.co.uk



UK Installations

Geothermal International has installed more than 1300 heat pump systems, including some of the largest and most prestigious projects in the UK.

Gloucester Police HQ

- The largest Closed Loop system in the UK
- 150 boreholes, each 98m deep
- UP to 860kW of cooling & 640kW of heating
- With estimated savings of £60,000 per year, the system is consistently achieving a CoP above 6 and exceeding efficiency targets of more than 30%.

Kings Mill Hospital, Mansfield

- The largest Open Loop system in the world
- 140 Slim Jim plates extract heat from Kings Mill Reservoir
- Up to 5.4MW of cooling & 5MW of heating
- Estimated savings for the NHS trust are £120,000 per year, with a reduction in CO2 emissions that equates to taking 600 cars off the road.

One New Change, City of London

- Retail and office development
- Innovative Energy Piles and Open Loop System
- 800 loops in 219 concrete piles, to depths of 45m plus 2 pairs of Open Loop wells
- 13 heat pumps ensure that at least 10% of this development's needs are met from renewable sources.

Embassy Court, London

- Residential apartment block, central plant room
- Energy Piles and boreholes, plus a dry cooler system for additional cooling
- 100 Energy Piles and 40m boreholes
- 202kW of heating & 371kW of cooling
- Precision drilling was required, as the building lies close to the London Underground.