

# ENER-G Pumps Up Sustainable Heating And Cooling Operation



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ENER-G has launched a new ENER-G Sustainable Technologies division – specialising in the design, installation and maintenance of heat pumps.

Through its exclusive partnership with four leading manufacturers, the company is providing one of the widest selections of ground source, [gas absorption](#), air source and [water loop heat pump](#) technologies in the UK.

The new division expands ENER-G's existing [ground source heat pump](#) operation into a building services focused business that can provide total heat pump solutions for all types of heating and cooling applications utilising heat pumps ranging from 1kW to 1000kW capacity.

ENER-G Sustainable Technologies has relocated its Nottinghamshire base from Ollerton into larger premises in Mansfield, which will accommodate its anticipated year-on-year growth.



Managing Director, Paul Burley said: "Our in-house expertise and resources means we can see the whole job through from initial feasibility through to project handover. We operate our own drilling rigs and offer

complete in-house services from specialist design, through to complete project management, installation and maintenance of heat pump technologies. We also have the ability to supply bespoke manufactured heat pumps in a variety of sizes to accommodate complex customer briefs, particularly where space is restricted.”

The introduction of the proposed Renewable Heat Incentive (RHI) in April 2011 is expected to stimulate further demand in the sector, providing significant subsidy payments of up to 7.5 pence per kWh for 15 to 23 years that will dramatically reduce the payback period on ground source and air source heat pump technology.

Explains Paul Burley: “This legislation will support a range of heating and cooling systems at all levels, from small businesses and offices, and public sector buildings right up to large factories. A 200kW ground source heat pump operating eight hours a day – typical for a school or moderately sized business premises – would create an annual incentive of approximately £18,000. Similarly, a 200kW air source pump operating in comparable circumstances would lead to a financial gain of around £7,000 per year.

“ENER-G’s expertise in delivering these technologies for all sizes and types of application is unsurpassed. We are currently looking at introducing attractive finance packages which will fund the installation, along with operation and maintenance of the technology at minimal cost to the client”.

Heat pumps supply more energy than they consume by using a refrigeration cycle to absorb heat from the environment and raise it to a suitable level for heating buildings or providing hot water. The process can operate in a reverse cycle to provide cooling for buildings as well. Heat pumps can provide a 50% reduction in CO2 emissions compared to traditional technologies.

When combined heat and power is used to drive heat pumps, further energy savings and CO2 reductions can be achieved. ENER-G is using these two technologies in tandem to power the new Malvern Community Hospital, which will be one of the greenest hospitals in the UK.

ENER-G Sustainable Technologies has won official certification for its expertise in renewable heat pump technology. The Approved Contractor certificate recognises the quality of ENER-G’s design, supply, and installation heat pumps, in line with exacting technical

standards set out by the Microgeneration Certification Scheme. The company is also a member of the UK Ground Source Heat Pump Association.

The business is part of the UK-based ENER-G group of companies which employs more than 760 people worldwide, with operating and joint venture companies in 16 countries. It develops, manufactures, delivers and finances energy efficient and renewable solutions, including: combined heat and power, biogas utilisation, geothermal energy, heat pumps, efficient lighting, controls, metering and data solutions, and new generation energy from waste. This is accompanied by a wide range of energy and water consultancy and energy procurement services.

For further information contact ENER-G Sustainable Technologies on 01623 666340, [www.energ.co.uk/heatpumps](http://www.energ.co.uk/heatpumps)

Read more: <http://www.energ.co.uk/?OBH=69&ID=235#ixzz0xeoqoh49>

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