

RENEWABLE HEAT

RENEWABLE ENERGY & ENERGY EFFICIENCY ENGINEERS

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P A R T N E R S H I P

LHW Partnership LLP | The Annex, PO Box 6430, Leighton Buzzard, LU7 6FE | 020 3290 5497 | www.lhwp.co.uk | enquiries@lhwpartnership.co.uk

RENEWABLE HEAT

GROUND SOURCE & AIR SOURCE HEAT PUMPS, SOLAR THERMAL AND BIOMASS HEATING SYSTEMS

In order to meet our 2050 CO₂ reduction targets, a major revolution in how we heat our buildings will need to take place.

We have significant experience in renewable heat engineering including both small-scale and large-scale solar thermal, ground source and air source heat pumps and biomass.

Since 2006, engineers at LHW Partnership have designed numerous renewable energy heating systems ranging in sizes from 10kW to 350kW. Systems include flat-plate and evacuated tube solar thermal systems, ground source and air source heat pumps along with wood chip and log burning biomass systems.



CASE STUDY: BENHAMS

LHW PARTNERSHIP ACTS AS TECHNICAL ADVISORS FOR A GROUND SOURCE HEAT PUMP INSTALLATION



In 2015 LHW Partnership was instructed by a private customer to act as Technical Advisor for a ground source heat pump system.

As part of the role LHW Partnership undertook an independent heat loss survey to verify heating demand, prepared a technical specification for issuance in the invitation to tender, conducted tender reviews and applied for increased load capacity from the local DNO. The 58kW ground source heat pump which comprised 9 vertical boreholes was commissioned in December 2016, providing renewable heating and hot water to the property.

SERVICES

LHW PARTNERSHIP LLP OFFERS THE FOLLOWING SERVICES ASSOCIATED WITH RENEWABLE HEAT

- + Site Feasibility & Desktop Appraisals
- + Technology Solutions
- + Development Strategy
- + System Design
- + Tender Specification
- + Tender Review & Vendor Selection
- + Infrared Thermography Inspections
- + Operation & Maintenance Regimes

