

Ground Source Heat for Poultry Farming

Mibec has completed the specification and delivery of REHAU RAUVITHERM underground pipework and underfloor heating pipework to eight purpose-built poultry sheds. The sheds rely on ground source heat pumps and a biomass boiler for heat.

The challenge

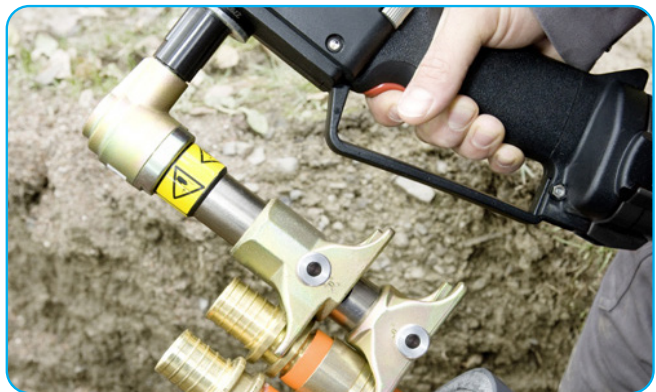
The project relied on large quantities of pipe being available to ensure there were no delays to the construction. Mibec worked with the client to project forward orders to forecast the high volumes of pipework with demand planning to the manufacturing plants, ensuring the scheduled delivery plan was met precisely.

Innovation

REHAU RAUVITHERM underground pipe was utilised to provide heat from the biomass boiler to the overhead heaters and heat from four large ground source heat pumps (GSHP) for the REHAU underfloor heating. We supplied circa 3,000m of mainly 110mm & 90mm large-size pre-insulated underground pipework and 72,000m of REHAU underfloor heating pipework.

The four GSHPs also have a 5.4ha ground array from which to draw heat, with circa 64km of collector and header pipe used in conjunction with 24 manifolds. Our long-established reputation for expertise in thermal storage allowed us to also provide a 10,000-litre bespoke stainless steel buffer tank to the client's specifications.

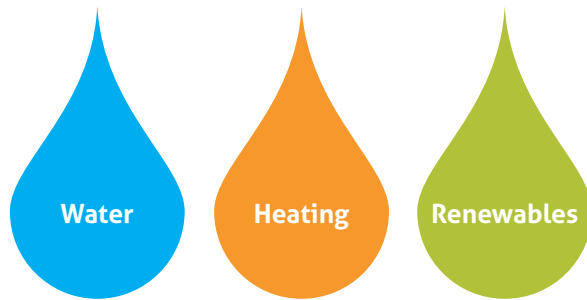
Mibec is the largest independent single-point supplier of pre-insulated underground pipework in the UK. Our comprehensive services also encompass UFH system design advice, ground source heat pump collectors, and thermal storage units. This enables us to seamlessly convert our



customer requirements into detailed quotations, which are then converted into project-managed orders.

As a result, we consistently achieve "right first time & on-time site deliveries", ensuring the smooth and efficient execution of each project. To find out how Mibec can deliver for your project, speak to our expert team on 01782 959170.





Mibec Limited

Unit 12
Arlington Court
Cannel Row
Silverdale Enterprise
Newcastle-Under-Lyme
ST5 6SS

Tel: +44 (0) 1782 959170

Web: www.mibec.co.uk
Email: customerservices@mibec.co.uk