

Client: London Borough of Enfield
Contract: Exeter Road Apartments Retrofit Project

Value: £5.8 million
Period: 5 months

THE PROJECT

As part of a comprehensive regeneration project to enhance heating efficiency and slash bills by 50% in four North London tower blocks, a joint initiative was set up between Oakray Ltd, the London Borough of Enfield, renewable energy specialist Ice Energy and energy efficiency consultancy AgilityEco.

Located in Brimsdown, Enfield, the award-winning Exeter Road Retrofit Project saw all four blocks – comprising 181 flats in total – undergo a series of extensive efficiency upgrades in a bid to tackle fuel poverty, raise heating standards and improve quality of life in the community. In addition to installing external wall insulation and double glazing, the renovation work carried out by Oakray's installation teams included a complete overhaul of each property's old, inefficient electric underfloor heating, replacing it with next-generation renewable technology and new efficient heat emitters, using natural energy via a ground source heat pump (GSHP).

Oakray's mechanical and electrical teams also provided the incoming services for this GSHP solution, which is the first installation of its kind in England. Extracting the natural solar energy stored in the parkland surrounding the tower blocks, this then feeds into individual GSHP units which are sited in each flat's airing cupboard.



DELIVERING THE SOLUTION

- Partnership refurbishment project via joint initiative
- Next-generation renewable technology
- Installation of new internal GSHP units
- Installation of 900 Hi-lo Compact radiators
- Upgraded controls for more efficient performance

RESULTS

- Estimated annual savings of £550 per household
- Average carbon savings of 33,000 tonnes
- New, efficient and easy to control system
- Improved quality of life for residents
- Driving down the London Borough of Enfield's carbon footprint



**Designed.
Installed.
Managed.
Maintained.**