

# Technology Leaders in Hot Water Storage and Integration

Queensland Road, Pandora Heat Bank



Location:  
**Islington, London**

Client:  
**Newlon Housing**

Developer:  
**Kier Construction**

Queensland Road is the final housing phase of the Arsenal Regeneration Area where, in partnership with Arsenal FC and Islington Council, Newlon Housing is building more than 1,400 affordable homes, with 1,100 already completed and occupied. Under the Queensland Road contract Kier is constructing 354 homes which are a mixture of affordable rent and shared ownership properties. The large number of affordable homes at Queensland Road makes it the biggest single development project in the Arsenal Regeneration Area.

Thermal Integration developed a customised version of the Pandora Heat Bank thermal stores to match the clients requirements, fitted with twin heat exchangers for efficient heat transfer, while also providing 150 litres of stored primary water with electric backup to both hot water and central heating.



The development system was initially demonstrated to clients on a monitored test rig to ensure compliance with all requirements, from where WRAS approval was applied for. We have now supplied 354 fully approved systems that are installed and operating as expected.



The Heat Banks at Queensland Road connect to a central CHP boiler system, with energy consumption metered and reported by a third party billing system. The Heat Banks were supplied fully pre-fabricated with all the system controls for rapid installation to pipework, and are unique in that they overcome the need for any discharge pipes in properties.