

HEATBANK[®] PANDORA

Thermal Store

Case Study: Queensland Road, Islington



The Queensland Road development alongside the Emirates Stadium, required 350 thermal stores to run from a centralised boiler plant. Only the HEATBANK PANDORA could achieve the goals.



Hot water storage was a requirement from the outset. Simply to ensure that systems have electric backup and occupants can never be left without hot water. Furthermore, systems were required without any discharge pipes, as well as low return temperatures to the central boiler plant - neither achievable with normal storage technologies.

The HEABANK PANDORA DISTRICT uses a plate heat exchanger input to obtain low return temperatures, and a patented feed and venting system to overcome the need for any discharges. The entire system was WRA approved for this contract, and the development has been up and running now for almost four years.

Case Study: Oxford Brookes University



Oxford Brookes University makes use of our HEATBANK PANDORA to provide distributed storage from a central CHP plant, with each store delivering domestic hot water to eight accommodation units.



The Pandora was selected as it provided an almost fit and forget solution, with no discharge pipes, and instantaneous mains hot water overcoming Legionella issues.

The CHP plant required return temperatures of 60C or below, while the client required DHW secondary return circuits fed from each store to remain at 60C almost continuously. The design uses very close approach heat exchangers so that the return to the boiler can be kept at or below 60C. The DHW temperatures stay above 55C at all, rising to 60C every few minutes.