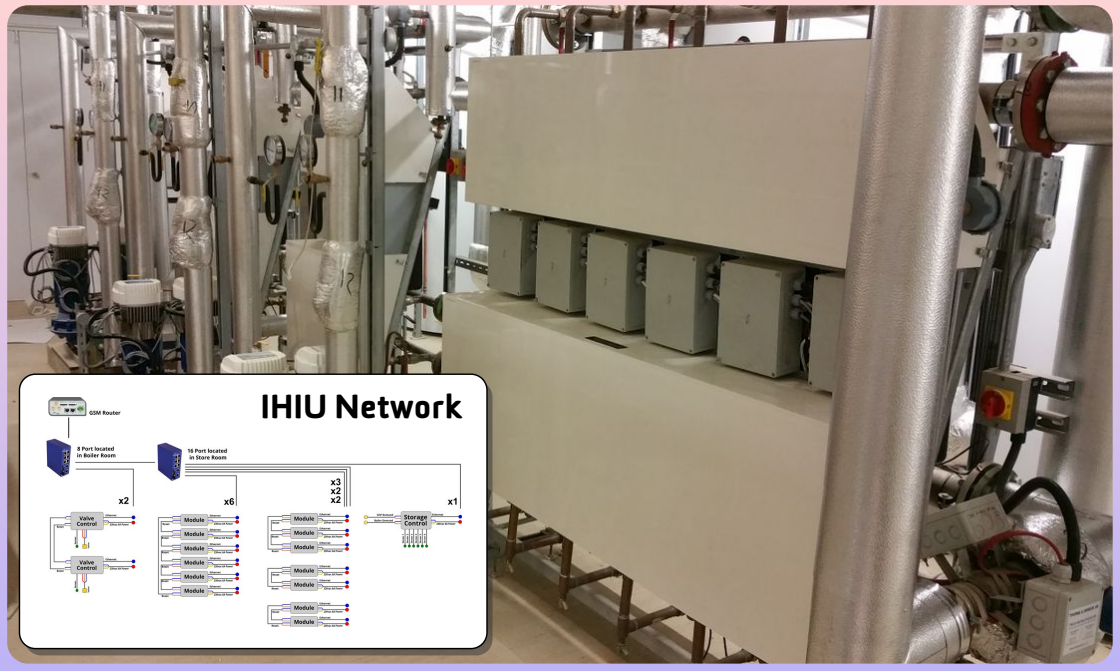
# HIFLOW

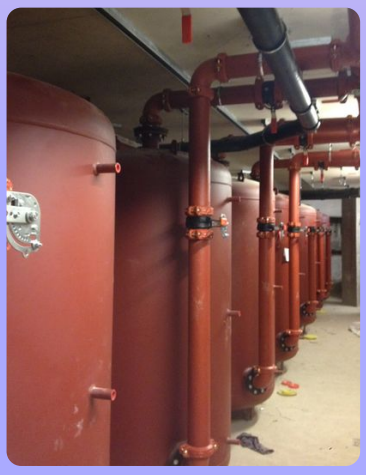
## Modular Commercial HIU

### Case Study: Putney Plaza

**The requirement for the plant based provision of DHW, underfloor heating, radiators, a commercial zone, combining heat from gas boilers, CHP, and extract air heat pump proved perfect for the HIFLOW HIUs**




The Putney system uses a bank of six HIFLOW modules for 1.5MW of DHW. It has 2 modules for radiators, three for underfloor heating, and two for a commercial zone, along with 8000 litres of custom made buffer stores. The modules work together to match required loads and to provide excellent levels of redundency. This modular approach has ensured the site has seen 100% delivery of all services since turn-on.



The Putney HIFLOWs draw heat from two sources - a high grade source (boilers, CHP) and a low grade (heat pump) blending these feeds for optimim efficiency of all plant.

The entire system is controlled using IHIU Control Systems, with all systems monitored remotely. This has allowed us to tweak setpoints, or introduce screed drying cycles when asked by installers, and demonstrate historic performance down to 10 second intervals.