



Temple Street Children's Hospital

Pak Plant Brings Fantastic Energy savings to Temple Street Children's Hospital

Temple Street, founded in 1872 is an acute paediatric hospital serving some of Ireland's sickest children and providing a referral and care service on both a regional and national basis.

As part of the energy saving project within Temple Street Children's Hospital, the project team decided to de-commission the main steam heating system and replace the primary heat source with high efficiency condensing LPHW boilers and hot water generating plant.

Pak Plant were engaged by consultant engineers, JV Tierney & Associates, to assist with the design in order to optimise the use of space provided, and select plant items that would provide the highest efficiency in order to achieve the lowest possible running costs.

With available space within the hospital grounds being at a premium, the design team opted for 2 no. packaged plantrooms to be located at roof level to serve different areas of the facilities. The plantrooms were manufactured off-site and delivered on time to meet with the programme. Installation was quick with NO disruption to services whilst the units were being installed.

With a huge reduction in gas consumption, significant cost savings were identified over the first 12 months of operation.



Plantroom no. 1 contained 6 no. Remeha Quinta Condensing boilers and a Lochinvar EcoShield condensing hot water generator.

Plantroom no. 2 contained 10 no. Remeha Quinta Condensing boilers and 3 no. Lochinvar EcoShield condensing hot water generators, with the facility to add in additional plant if required

