



UK

A hospital for a healthy environment

The Alder Hey in the Park Children's Hospital in Liverpool involved the delivery of a c.660,000 sq ft children's hospital integrated with a public park for a National Health Service trust. Construction was completed in September 2015 and the project has a 30-year term for facilities maintenance services.

The facility is a state-of-the-art, 270-bed children's hospital providing care for 330,000 patients annually. The old hospital was partly demolished to enable the expansion of the adjacent park, which was integrated into the design via a land swap arrangement with the park owner, the City of Liverpool.

Alder Hey Children's Hospital was designed as a 'hill in the park', with its green roof adding insulation to the building and most rooms benefiting from a view of the adjacent park. Seventy-five percent of the new hospital rooms are en-suite for single patients and each ward has an outdoor balcony overlooking the park.

It is among the most sustainable hospitals ever built. It uses a ground source heat pump, combined cooling, heat and power generation via an absorption chiller, air source heat pumps and photovoltaic panels, generating 60 per cent of its energy on site.

John Laing played a leading role in a consortium that financed and built the hospital, which opened its doors in October 2014, and we remain a long-term and active supporter of the hospital and its charity.

The hospital has a Green Plan that aims to reduce its carbon footprint, enable more energy efficient travel options and reduce waste. Its facilities and estate department are implementing decarbonisation initiatives that include use of energy-saving software, water and operations optimisation, and a shift to LED lighting.

