

Cambridge Children's Hospital 'A Whole New Way'

Integration, Innovation and Improvements in the design process to deliver Carbon Reduction in Healthcare



A Whole New Way

The new Cambridge Children's Hospital will provide a world-class medical environment for diagnosis and research, uniquely combining pediatric care for children and young people in the east of England.



Net-Zero Carbon

The project aims to provide an excellent environment that is regenerative for its occupants and the occupants beyond its doors, leaving a legacy that is sustainable, resilient and adaptable. The project is designed to reach net zero carbon in operation.



Long-Life, Loose Fit

The design is founded on a conceptual framework of creating a 'long life, loose fit' asset - this means that the building is truly sustainable, even in the face of future changes to clinical markets, patient demands and public health demographics.



Sustainable, Resilient & Adaptable

The building is designed using an 'adaptive design framework' to facilitate the long term future flexibility. All spaces in the brief are categorized for 'high' and 'medium' use, with an interstitial level sandwiched between for efficient servicing.



Passive Design Principles

The project's central innovation - the staggered west glaze facade - has resulted in an operational focus on daylighting, natural ventilation, natural materials, and other passive architectural design elements.



Access to Nature

A sustainable building can only offer the wellbeing of its occupants. External spaces are integrated throughout the building ensuring patients, staff, carers and staff have direct access to nature and the outdoors.

