

ACUTE HOSPITAL FACILITY, EDINBURGH

ASH & LACY



The challenge was to deliver a new combined Acute Hospital facility, bringing together two distinct services of the Children and Young People's Hospital, including mental health services for children and adolescents and the Department of Clinical Neurosciences (DCN) for adults.

The new £18 million facility has 1,800 rooms over 50,000 square metres in a modern and high-quality setting at Little France, Edinburgh. The five-storey building has a large atrium with a shop and cafe, a stunning skylight linking both hospital entrances, a helipad on the roof and a link building adjoining adult and paediatric emergency departments.

The design solution provides strong links with the external environment including landscaped courtyard spaces ensuring that the important relationship between inside and outside is enhanced. Maximising natural light and views to and from the hospital was a crucial component of the hospital design aiding in the therapeutic recovery of patients.

The project is the first acute hospital facility to be procured under the Scottish Government's Non-Profit Distributing Model (NPD).

The functional brief for the project was the re-provision of the Royal Hospital for Sick Children, and the Clinical Neurosciences Departments from their current locations across the city to the Royal Infirmary of Edinburgh site, and in doing so it would be the first acute hospital facility to be procured through the Scottish Government's Non Profit Distributing Model (NPD).

The brief set by NHS Lothian required that the new hospital would 'have a strong and unique presence' and that the design is 'valued by the patients, staff, parents, other users and the local community. It should have an enduring quality that will outlive the transient trends and will provide a landmark building that future generations will be proud of.'

For Ash & Lacy, working closely with the architect to ensure a regular product information flow was critical from an early stage; the project was the single largest design ever undertaken by HLM Architects – one of the largest currently on site in Scotland for that matter – and its complexity led the project team to embrace UK Building Information Modelling (BIM) Level 2 from the outset.

The specification of the standing seam roofing system was developed not only to provide the highest of thermal standards, but acoustic performance was critical in ensuring the best environment would be assured for patient comfort.

The Ashzip standing seam incorporated a series of tapered and straight sheets to ensure that the curved plan of the roof was achieved without the need for junctions, as well as providing the platform for a vast array of photovoltaics, and a permanent roof access walkway.



In addition to the main roofing systems, Ash & Lacy also supplied support in the form of site inspections throughout the construction process, design for roof tapers and all perimeter and feature fabrications and fasteners.

Architect	HLM Architects
Main Contractor	Brookfield Multiplex Limited
Installer	Topek Limited
System	Ashzip standing seam
Materials	0.9mm aluminium
Colours/finish	Natural mill stucco



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