

A LIGHT AND BRIGHT, CHILD-FOCUSED HOSPITAL



AWARDS

RIBA STIRLING PRIZE 2006
Shortlisted

RIBA AWARD 2006

SHORTLISTED FOR RIBA INCLUSIVE
DESIGN AWARD 2006

ISTRUCTE AWARD 2006
Best Healthcare Building

CIVIC TRUST AWARD 2006

FINALIST FOR THE PRIME
MINISTER'S BETTER PUBLIC
BUILDING AWARD 2006

EVELINA CHILDREN'S HOSPITAL LONDON, UK

The new Evelina Children's Hospital provides a bright and spacious environment that is designed to be fun and exciting for children while also providing state of the art hospital facilities. Evelina won the hearts of the public to poll among the shortlisted buildings for the RIBA Stirling Prize.

Central to the 140 bed, purpose built structure is its vast open atrium. This forms the main communal area and has been designed to create a warm, bright and cheerful atmosphere for the children. It is overlooked by every ward in the hospital, with healthy natural daylight finding its way to every bed through the expanse of glass. This extensive daylighting also offers an additional benefit by reducing lighting costs. The atrium is key in Evelina's mission to redefine the concept of a children's hospital by creating an open and welcoming environment for vulnerable young patients. The fact that the hospital is devoid of the typical layout of long corridors and bland wards also supports this aim.

As Evelina's defining feature, the huge atrium presented our structural team with some fascinating challenges. In order to design such a large open space, with no beams and a huge glass roof, our engineers had to be truly creative. With such complicated geometry, it was imperative that our design would hold up in terms of structural tolerance, buildability and the effects of any movement of the building itself.

While the open spaces created the best environment for the children, fire and smoke could spread rapidly, and the expanse of glass, if it shattered, could pose a serious danger to life. Our team of specialists designed in a smoke-sealed facade and toughened glass in the atrium, as well as life saving sprinklers.

Throughout the scheme's development, BuroHappold Engineering worked closely with the architect, contractor and building services team to create a cheerful environment promoting care and recovery while generating the innovative structural solutions our client both needed and deserved.

CLIENT

Guy's and St Thomas' Hospital Trust

ARCHITECT

Michael Hopkins and Partners

SERVICES PROVIDED BY BUROHAPPOLD

Structural engineering, facade engineering,
fire engineering, planning supervision