

## Case Study – Healthcare



### Client

Kingston Hospital NHS  
Foundation Trust

### Project Name

Royal Eye and Paediatric  
Oncology Units

### Duration

30 Weeks

### Value

£ 3,885,000

**Contract Administrator:**  
Studio 4

**Quantity Surveyor:**  
McLeod & Aitken Ltd

**Architect:**  
Studio 4

**Principal Designer:**  
Shore

**M&E Consultant:**  
Bianco Sale Ltd

### Description

The project involved a new three-storey extension and reconfiguration to provide a new retinal and orthoptics wards on ground floor, a new paediatric and oncology ward on first floor and a new plant room, AHU and associated service installations on second floor. Typical accommodation included reception area/nurse bases, waiting area, and individual consultation, examination and treatment rooms and circulation spaces.

The construction comprised a three-storey piled substructure and steel frame superstructure with metal profiled deck and concrete intermediate floors, cavity external walls with SFS inner skin, facing brickwork outer skin, and part cladding. The new extension had a flat roof with a single ply membrane roof covering and powder coated aluminium windows, coping and architectural trims.

All hospital projects are typically live environment working; however, the Kingston project brought its own challenge as the new extension structure was directly connected to different hospital departments and clinical teams at each floor level bringing with them different set of issues and restrictions.

Storm met and managed these challenges with clear, diligent planning and with pre-agreed solutions with the adjacent departments. Mitigation measures undertaken included, high-spec segregation proposals including soundboard and mineral fibre insulated hoarding walls, which were fire batt sealed to soffits. This provided an exceptionally high acoustic, dust and thermal segregation between site and live areas. Noise restrictions were very specific and pre-agreed.

### Testimonial

*The whole project has been complicated throughout with the various problems encountered and the demands of working around fully live hospital departments and patient commitments .*

*Despite often daily request to the Storm team on works and schedules ,Taha and CQ were always highly professional in their management and considerate in understanding the Trust demands and patient courtesy. Hopefully we can work again together in the future*

**Brian Balkwill**  
Capital Projects

  
Kingston Hospital  
NHS Foundation Trust

