

Healthcare



Role: M&E Contractor

Main Contractor: Barnes Construction

Client: Cambridge University Hospitals
(NHS Foundation Trust)

M & E Consultant: CPW

Architect: LSI Architects

M & E Value: £700,000

Addenbrookes Hospital: Children's Ward

Ward F3 was a 15 bed day care unit that has been expanded and refurbished to provide 24 beds with additional clinical treatment areas and creating better facilities for visiting family. The new facilities now boast a vibrant and colourful feel. The ward can not only cater for elective day surgery procedures or paediatric investigations and assessments, but also now has the facility to accommodate overnight admissions if appropriate.

A full validation of the mechanical services was carried out including water temperatures. The ward was then completely segregated in readiness for the refurbishment work. All the existing mechanical and electrical services were traced and isolated in a controlled manner. The mechanical services include a new medical gas installation, modifications to the domestic water and drainage to suit the revised sanitaryware requirements, new heating including low temperature casings, a ventilation layout incorporating a revised fire strategy and a complete duct clean. The electrical services comprise LED lighting and bed head lighting with full control, a power installation including essential power at the bed head, a nurse call system with control panels at the nurse base and reception, integration of a new fire alarm system into the existing site wide system, together with new data and an audio visual door intercom system to facilitate access into the ward.

The ward is land locked by other wards and facilities, operating 24/7. This presented challenges around access and egress, material deliveries, cutting into the existing mechanical and electrical services and then bringing the services back on line with the working hospital. Disruption was minimised through a regime of regular and considered coordination with the construction team and hospital staff.

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