St Thomas Hospital - CCU

Healthcare / Refurbishment

Key Features:

- Full internal remodelling of existing ward
- Extensive M&E works
- Delivery in a 'live' congested hospital site

This project involved transforming an existing ward that was previously used as a High Dependency Unit into a Critical Care Unit with 15 beds. The work included significant changes to partitions, new dual arm pendants for space resiliency, ceilings, flooring, finishes, fixtures and fittings, as well as mechanical and electrical services to suit the new layout.

The mechanical and electrical work included supplying, installing, testing and commissioning four new AHUs on the ground floor and first floor, with supply and extract for each side of the unit, supported by new steelwork support gantries. Existing risers at stairwells A and B were adapted for the installation of new supply and return ductwork from each AHU to serve the unit and electrical services.

Steel mesh access platforms were constructed within the risers at each level from the ground to the 10th floors and a new chilled water plant and UPS systems were installed, along with associated steel support platforms. Additional work included supplying, installing, testing and commissioning a new pre-packaged plant room to house a secondary chilled water plant and associated BMS infrastructure for the same.

The works involved a logistically challenging weekend crane lift on a very congested site, that was completed safely and without any interruption to all hospital operations.

The new Critical Care Unit now provides the hospital with three single one bed bays, a 12 bed ward, reception area, staff room, sister's office, laundry room, toilets, showers, kitchen, relatives room, staff rest area, clean utility room, dirty utility room, gas store, bin store, and utility store.

The works also included provision of folding partition walls, which gives the option to seperate the ward in two standalone rooms.

The new unit boasts stunning views of the Houses of Parliament and Big Ben.

Client:	Guys & St Thomas' NHS Foundation Trust
Project Value:	£7,500,000
Programme Duration:	56 weeks
Architect:	Llewelyn Davies
Quantity Surveyor:	WT Partnership