



Case Study

King's College Hospital 
NHS Foundation Trust

King's College hospital NHS Foundation Trust is one of London's largest and busiest teaching hospitals, with a unique profile of strong local services and a focused set of specialist services.

The Challenge

The IT staff at King's College Dental Institute were planning to move from traditional x-ray film and paper based notes to a digital PACS and electronic patient record system.

As the dental institute was undergoing a major refurbishment program the Trust wanted to clear as much workspace as possible and provide all dental students with ergonomic fully adjustable space efficient workstations where appropriate.



The Solution

From an initial consultation meeting it was established that a possible 180 work areas within the five floors of the building would need to have a monitor, keyboard, mouse and in some cases a CPU mounted within the working area whilst taking up minimal space.

It was agreed that ErgoMounts would be contracted to supply and fit all mounting solutions with a view to providing ongoing maintenance using the ErgoMounts Planned Preventative Maintenance Programme (PPM).

The first order and ground floor installation commenced on 9 May and was carried out over a weekend to ensure completion prior to the students returning on the Monday (11 May). By December 2009 all five floors had been completed and the first round of maintenance visits were already in place.



ErgoMounts diverse range of medical mounting solutions ensured that the refurbishment was a success and all students were provided with ergonomic fully adjustable space efficient workstations.



Kings presented several opportunities to showcase the wide range of MedicalMounts portfolio of mounting solutions as each area within the Dental Institute was set out differently.

In all cases MedicalMounts were required to provide a flexible but space saving solution for monitor, keyboard and CPU in line with the change to digital PACS and EPR. The sheer number of different users within each department at any given time also challenged the product selection process.

The ground floor solution was the Elite series, monitor and keyboard wall mount with over a metre of height and reach adjustment. The Elite although installed within a small cubicle, only large enough for a dental chair, and a nurse station still allowed all members of the dental team to access notes and images almost anywhere in treatment area.



In the Orthodontic department 12 new mounting solutions required installation alongside 12 pre-existing solutions previously supplied by MedicalMounts, but installed by the trust. The challenge being that two very small bays shared a single wall space required to house a monitor arm for each bay. As the Ultra 510 long reach model was already present, these were duplicated but both arms were changed from a standard wall mount to a 19" wall track fixing allowing users to adjust the height by the simple quick release lever.

The 2nd Floor West installation presented a major issue in that the keyboard tray had to be placed in or around the work surface which was at the opposite end of the cubicle from the monitor position. A long reach keyboard arm attached to the side wall of the kidney shaped dental bay and the double arm extension allowed the keyboard tray to be set at an angle, therefore clearing the desk whilst offering lateral adjustment for the clinician. The monitor was then mounted onto an MD series arm from the opposite wall, enabling the screen to be pulled forward but also to be folded back against the wall when not in use.

In most other areas the EMUL510-T19-KUC-MW was used. This offered a compact close to wall solution for monitor, keyboard and CPU whilst providing 480mm (19") of height adjustment. The bays in these areas were very small so this solution was perfect allowing easy access to medical notes.

In all cases the units were supplied and installed on time and on budget. This project offered MedicalMounts an opportunity to showcase its vast portfolio and acted as a springboard to help secure future projects within other NHS trusts.

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