



WEST MIDDLESEX UNIVERSITY NHS HOSPITAL TRUST INSTALLS CONVERGED NETWORK TO HELP DEVELOP ADVANCED RADIOLOGY DEPARTMENT

The Challenge

West Middlesex University Hospital is a major NHS hospital in Isleworth, West London, serving the London Boroughs of Hounslow and Richmond. The hospital has been undergoing a complete transformation from an aged, spread-out site to a modern compact hospital with critical care at its core. As part of the redevelopment, a new £50million main building opened in May 2003. The new building was purpose built to house A&E, critical care, operating theatres, clinical imaging, outpatients and patient suites.

The challenge was to find a communications solutions and services provider that could maintain their legacy analogue infrastructure as well as implement a new state of the art converged voice and data solution that would meet the organisations future requirements. The new network had to have the bandwidth to support applications such as

PACS (Picture Archiving Communications Systems – Electronic XRAY images) and the NHS CRS (NHS Care Record System).

Damovo Solution

Damovo was selected from over five competitors on the NHSCat-IT list of contracted suppliers by demonstrating its experience of working with both analogue telephony systems and cutting edge voice and data technology.

Damovo implemented a Mitel IP telephony solution, running on an Extreme Networks data network with 1550 voice and data outlets. High grade Category 6 Ethernet cabling was also installed throughout the site. The new voice and data network can be centrally managed, is fault-tolerant and reliable, with a high bandwidth to allow for the new PACS system.

To ensure a smooth transition to the new system, Damovo provided consultancy, project management, training and on-going maintenance.

POWERFUL PLATFORM TO SUPPORT COMPLEX SERVICES

The Impact

West Middlesex University NHS Hospital Trust has gone from a patchy out of date network to a first class powerful platform to support complex services such as the NHS CRS and PACS.

PACS has transformed the speed in which clinical staff can diagnose ailments, by instantly sending high quality images over the new network, which was impossible before. Clinicians are now able to share images with colleagues in other buildings, which saves time and improves patient care.

“The IP infrastructure from Damovo has given us a robust network on which to base our mission critical applications, such as PACS, and expand upon in the future. Damovo is helping us in our mission to deliver a first class hospital for local people.” Bob Ghai, Associate Director of IT, West Middlesex University NHS Hospital Trust

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