



CASE STUDY

Solution At-A-Glance

Company

Chelsea and Westminster Hospital

Industry

Health care

Employees

2,500 staff

Storage applications

- Centralise storage
- Maximise operational efficiency
- Manage data growth

StorageTek® solutions

SAN with D173 disk system and L40 tape library

Related solutions

- Windows 2000 servers
- Sun V880
- VERITAS NetBackup software

Business results

A robust, centrally managed backup that is easy to use and manage

Chelsea and Westminster Hospital

IT systems are healthy and the future is bright.

A cure for information overload

An efficient hospital relies on far more than just its hardworking doctors and nurses — solid IT systems are also crucial to the smooth running of a medical establishment. Today, information technology plays a crucial part in helping NHS (National Health Service) staff to effectively manage their increasingly demanding roles.

In order to ensure a reliable, efficient service for its staff users and, ultimately, effective care for its patients, the Chelsea and Westminster Hospital (London) needed to change the way it managed its own internal data. Specifically, Chelsea and Westminster Healthcare, an NHS Trust, needed a scalable, flexible and resilient storage and backup infrastructure to support their e-mail, file and print, and financial support systems. It was also important that this infrastructure supported cluster-based technology.

By installing a StorageTek D173 disk subsystem and L40 tape library into a storage area network (SAN), the hospital has centralised its data storage and backup, increased the availability of its data and minimised the management time and cost of its Windows 2000 servers. This is the first major step toward building the information core for the NHS, standardising across platforms and meeting the NHS Plan laid down by the Department of Health. Imminent applications that will benefit from this SAN infrastructure include a GP referral letter document management system and a retinal image EPR system.

Opened in 1993, the Chelsea and Westminster Hospital provides general medical and surgical care to patients in the west of London, as well as specialist services to patients from across Britain. The Trust reviewed and treated 260,000 outpatients, 80,000 Accident and Emergency attenders, 30,000 emergency admissions and 26,000 elective admissions in 2002/2003.

For the past four years, the Chelsea and Westminster Hospital has held its e-mail, and file and print data across a number of NT workgroup servers, each in different departments.

Explaining the growing IT challenge, Bill Gordon, assistant director of customer and technical services at Chelsea and Westminster Hospital, said, "Over the last few years we have seen a continual growth in data, which was proving more and more difficult to manage and back up across the numerous disparate servers it was held on. It became obvious that we needed to centralise the storage of our data, not just to comply with the NHS Executive mandate, but also in order to maximise operational efficiency for our 2,500 hospital staff."

Chelsea and Westminster turned to value added reseller and integrator Datapoint Consulting Group (DCG), a specialist storage and backup company, to audit and assess their storage and backup/recovery needs. After a full assessment of the environment, issues and requirements, DCG recommended implementing a storage area network (SAN) infrastructure utilising StorageTek's disk and tape technologies. DCG has worked in strong partnership with StorageTek and Chelsea and Westminster Hospital to commission and develop the complete SAN infrastructure.

The solution incorporated a StorageTek D173 disk subsystem and L40 tape library to deliver optimum efficiency in a SAN configuration. The SAN links the storage platforms into four new Windows 2000 server cluster nodes and a Sun V880 enterprise server running Oracle Financials. VERITAS NetBackup software was deployed and integrated by DCG to centralise the backup function for the enterprise. The total solution is also future-proofed as it provides an easy upgrade path for both media as the information management burden grows.

Gordon said, "We felt that StorageTek delivered the best technology to support our needs, both in terms of its flexibility and scalability, and also due to the ease of management the StorageTek solution delivered. We now have a robust, centrally managed backup resource that is efficient to use and manage — exactly what we need to support us as the hospital increases its reliance on technology."

About the solution

Designed to meet entry-level to midrange storage requirements in open systems environments, the full-Fibre Channel StorageTek D173 supports more than five terabytes of information. Open architecture and enterprise-level functionality maximise storage options and simplify storage management — in a cost-effective manner.

The L40 tape library provides affordable, high-performance, high-capacity data management for demanding distributed environments. Combining proven technology, reliable, high-speed robotics and an entry-level price, plus the power to grow without bounds with an easy upgrade path from the L20 to the L80 make the L40 tape library the answer for growing organisations' automated backup and recovery needs.

About Chelsea and Westminster Hospital

Chelsea and Westminster Hospital was opened in 1993 and is the newest teaching hospital in London. The hospital has 580 acute beds, covering a wide range of specialties including intensive care, cardiology, obstetrics, gynaecology, gastroenterology, burns and plastics, trauma and orthopaedics, paediatrics, care of the elderly and psychiatry. It also has the largest centre for HIV treatment in the UK.

www.chelseawestminster.co.uk

About Datapoint Consulting Group (DCG)

Datapoint Consulting Group is a company of storage and backup professionals who specialise in the design, provision and support of backup and recovery solutions, e-mail management and archiving solutions, the design of storage infrastructure and its management, and in the practical deployment of storage area networks (SANs), network attached storage (NAS) and storage solutions optimised for fixed content.

www.datapointconsulting.com



ABOUT STORAGETEK®

Storage Technology Corporation (NYSE: STK), a \$2 billion worldwide company with headquarters in Louisville, CO, has been delivering a broad range of storage management solutions designed for IT professionals for over 30 years. StorageTek offers solutions that are easy to manage, integrate well with existing infrastructures and allow universal access to data across servers, media types and storage networks. StorageTek's practical and safe storage solutions for tape automation, disk storage systems and storage integration, coupled with a global services network, provide IT professionals with confidence and know-how to manage their entire storage management ecosystem today and in the future.

StorageTek products are available through a worldwide network. For more information, visit www.storagetek.com, or call 1.800.275.4785 or 01.303.673.2800.

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Replacement parts provided under warranty or any service offering may be either new or equivalent-to-new, at StorageTek's option. Specifications/features may change without notice.

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