



# Complete IT Infrastructure Case Study

## The City of London Academy



## A New Era

The City of London Academy is a brand new school built to serve the secondary education needs of pupils of Southwark and the City of London, funded jointly by the Corporation of London and the DfES. The school specialises in business and enterprise.

From inception European Electronique worked closely with Academy's chosen ICT consultants to provide advice and guidance on; design, planning, project management and support of the entire ICT infrastructure.

The chosen site and proposed school building would not be available for two years from the opening date of September 2003. In the first year land was secured to locate temporary accommodation for the first 180 students. This was then moved to the proposed school site in the summer of 2004 and was expanded further to house 360 students. This necessitated a carefully planned and phased approach to the project in order to ensure equipment and infrastructure were only purchased as required and as little investment as possible was spent on the two temporary locations.

Detailed below is a brief statement relating to each of the key areas of the project;

## Network Infrastructure

The network is based around Cisco, utilising the 4507R core switch and 2950 edge switching devices. The network provides wirespeed gigabit connectivity to servers and will serve as a highly expandable network backbone for years to come.

Cisco wireless is used extensively, where the School have Access Points installed within laptop trolleys so that the mobile classroom may become a reality.

Cisco IP/TV is also utilised to record, playback and schedule video across the network.

The network has been built with redundancy features and is fully supported by European Electronique.

European Electronique provided full consultancy and design of Windows 2000 Server Active Directory across seven HP ProLiant Servers, and the Sentinel Ranger Suite desktop security software. Also installed were an Avantis CD Server, a Quantum LTO2 tape library, and a Nokia IP530 firewall.

Also supplied were all server cabinets and all related peripherals (KVMs, rackmount monitors and keyboards etc).

An APC 10,000va UPS, supplied and installed by European Electronique, provides full backup to the core infrastructure in the event of a power outage.

The School utilise an ISDN Polycom video conferencing unit that was supplied and installed by European Electronique.

## Software Systems

Software such as Checkpoint Firewall 1, Surf Control, Symantec Anti Virus and Ghost, Veritas Backup Exec, Microsoft Exchange, Microsoft ISA has been implemented.

The School also make use of Microsoft's Schools Agreement to licence their desktop PCs through European Electronique.

## Client Devices

Approx. 300 PCs and notebooks have been installed, which has included the creation of software images and the subsequent rollout.

The school has 180 notebook PCs used by both teaching staff and students. As well as supplying these, European Electronique provided custom-made wireless enabled security trolleys for safe storage and recharge functions.

## Peripherals

European Electronique supplied and installed Printers, Scanners, Interactive Whiteboards and projector systems into each teaching area.

European Electronique has provided much in the way of other technology that does not necessarily fit into a single category. Examples include PDAs, digital cameras, camcorders, printers and scanners.

## Customer Testimonial

“European Electronique have provided our Academy with a 1<sup>st</sup> class infrastructure that will assist the learning process for years to come. The Academy boasts one of the most advanced IT networks in UK Secondary Education”.

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