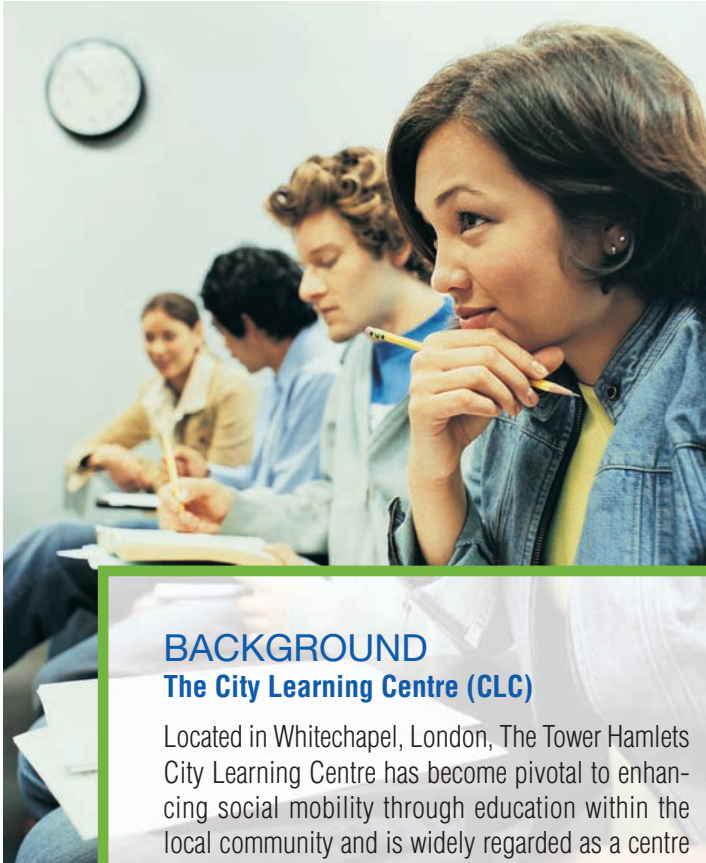


LONDON BOROUGH OF TOWER HAMLETS, CHILDREN'S SERVICES - PC VIRTUALISATION



BACKGROUND

The City Learning Centre (CLC)

Located in Whitechapel, London, The Tower Hamlets City Learning Centre has become pivotal to enhancing social mobility through education within the local community and is widely regarded as a centre for inspiration and innovation. Working in conjunction with local schools and other partners to run workshops, projects and training sessions, the Centre's eLearning Team provides a range of resources to enable staff and students to access emerging and cutting edge technologies, which in turn provide opportunities for a range of individuals and organisations.



ICT has become an integral part of this education drive, with pupils and staff using a range of technologies to enhance and facilitate both learning and teaching. Prior to the partnership with NEC Computers the City Learning Centre utilised traditional PCs and servers.

CHALLENGE:

To enhance the equipment of the Tower Hamlets City Learning Centre by replacing the previous system and increasing the number of work stations dedicated to teachers and students.

SOLUTION:

NEC Computers provided an innovative global infrastructure - the NEC Virtual PC Center, incorporating fifty TCM160 Xpe (the first thin client in notebook format), ten US100 thin client devices and three Express5800 120Ri-2 servers.

BENEFITS:

- Enhanced security
- Reduced Total Cost of Ownership (TCO)
- Enhanced performance
- Improved manageability
- Energy efficient solution

REQUIREMENTS

IT team requirements:

In order to meet the rapidly expanding and diverse ICT needs of the City Learning Centre, the eLearning Team turned to leading solutions provider NEC Computers to develop a flexible, secure system, using the latest thin client technology.

- Flexible solution - required by the City Learning Centre to enhance and develop its existing provision and meet the evolving needs of its users and partners.
- Secure system - which was essential from a theft and e-security point of view.
- Utilising the latest thin client technology to replace its existing PC/server architecture.

SOLUTION

NEC Computers worked closely with the eLearning Team to tailor a solution for the City Learning Centre based upon the revolutionary NEC Virtual PC Center incorporating fifty TCM160 Xpe (the first thin client in notebook format), ten US100 thin client devices and three Express5800 120Ri-2 servers. This solution encompassed all of the elements required by the City Learning Centre to enhance and develop its existing provision and meet the evolving needs of its users and partners. Both pupils and staff use a range of technologies to enhance and facilitate both learning and teaching



The Virtual PC Center solution provided by NEC Computers has been outstanding in meeting our complex requirements in terms of enhanced security, value for money, manageability and energy efficiency to keep up with the City Learning Centre's demanding ICT needs. We have developed a mutually beneficial relationship with NEC Computers which has exceeded our expectations and delivered cutting edge technology to enhance education in the diverse and exciting environment of Tower Hamlets.

Darren Coghlan,

Commenting on the partnership with NEC Computers

MULTIPLE BENEFITS

By providing a dynamic, flexible solution utilising advanced thin client technology, the City Learning Centre was able to enhance many areas including:

- Security
- Cost
- Performance
- Manageability
- Energy efficiency

For the students

- Enables authentic user mobility, as each user has access to their own work environment wherever they are
- Unprecedented multimedia quality
- Comfort of use, simple design, ultra compact, silent and fast to start with any Operating System

For the IT team of the CLC

- Reduction in costs: The thin client architecture has a longer lifespan and a much lower power consumption. Each US100 thin client consumes less than 13W, eight to ten times less than a PC.
- Eco-friendly solution: The lower heat emissions means there's less need for air conditioning if they are grouped together in an IT suite.

This technology makes management of work stations easier, reduces administration costs and guarantees enterprise data protection. Over three to four years, total cost of ownership of the Virtual PC Center for the City Learning Centre will be less than the total cost of a traditional PC Server environment by 50%.

EDUCATION, SECURITY, RELIABILITY