

# CASE STUDY

SIEMENS



What's new in the world of Lloyds

Telephone - IT - Mobile

## Contact Lloyds

Call sales on **08448 550 400**

or email **enquiries@lloyds-ip.co.uk**

or fax **08448 550 401**

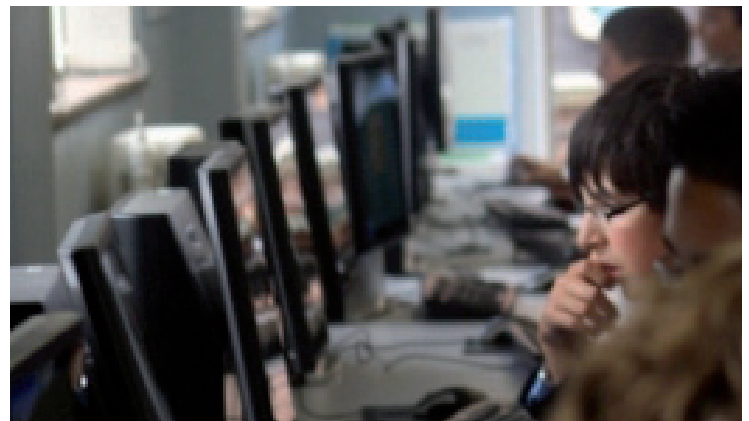
**www.lloyds-ip.co.uk**



## Lloyds in partnership with Siemens provides a cost effective, simple and manageable voice and data communications for Deyes High School

As the pressure on schools and colleges to deliver higher standards of Education increases, the need for a state of the art ICT environment is even more imperative. This was certainly the case at Deyes High School who chose to face the challenge to equip themselves for the 21st century by deploying a Siemens based ICT solution provided by Lloyds Communications.

The solution provided incorporates both fixed line and wireless technologies for voice and data communications and has been completely incorporated into the working environment of this school. It provides a secure and reliable infrastructure that ensures maximum return on investment shared between many users.



## Ad hoc network growth

Deyes High School is one of the largest High Schools in Sefton with 1440 students including 270 in the Sixth Form and over 100 teaching staff. In September 2006 the school became a Specialist Science College and is investing heavily to improve teaching, learning and accommodation.

As is common with many larger schools their ICT network had grown rather haphazardly and this was leading to problems as Mark Hoban, Network Administrator at the school explained. "Our network infrastructure was very ad hoc. As a problem or new requirement had arisen we had fixed it without any real thought as to an overall strategy. While this helped ensure we met our budget and provided the services our students and staff needed, the network was becoming very hard to manage and was also proving to be not very reliable.

"As a result, we knew that we needed to make an investment in a completely new network infrastructure that would provide a modern, fast and reliable platform that could support the school for many years going forward. We wanted a wireless-based infrastructure that could integrate our data and voice requirements and we knew there were many options around. So we were prepared for an intensive selection process."



Approved Partner  
Siemens Enterprise  
Communications

SIEMENS

Call sales on **08448 550 400** email **enquiries@lloyds-ip.co.uk** web **www.lloyds-ip.co.uk**

# Communication solutions specialist

After reviewing the leading technologies available, the school eventually selected the solution proposed by Lloyds Communications in partnership with Siemens. Lloyds are an IT and communication solutions specialist delivering Unified Communications and mobility solutions. Their proposal offered integrated Fixed Mobile Convergence with the option of Voice over Wi-Fi available in the future.

"We chose the Lloyds/Siemens option for a number of reasons", said Mark. "Firstly, it offered the best cost-to-features ratio of all the proposals and provided better value for money. Secondly, we were impressed with the 'can-do' attitude of both Lloyds and Siemens. And finally, we could see that unlike some of the other platforms being offered to us, the manufacturer, Siemens was focused on network infrastructure. This commitment to its portfolio meant that our investment would be protected with less chance of products becoming obsolete."

## Three phase project

**Wayne Miller, Director of Lloyds, takes up the story. "We knew that the solution we proposed was the best in the market place with a number of unique features that could only help the school manage its network going forward."**

The project consisted of three distinct phases and commenced during Easter 2009. "The first phase was the installation of the new fibre cabling throughout the school to support the network", said Wayne. "Our staff worked over the Easter holidays to ensure there was no disruption to students and staff. With this in place we commenced the implementation of the new data infrastructure during May 2009."

Lloyds configured and implemented a wide range of Siemens switches that provide scalable, wire-rate performance in support of the bandwidth-intensive and delay-sensitive requirements of today's demanding applications. They deliver complete multilayer switching capabilities and support for high density 10/100/1000 Ethernet ports and static routing capabilities.

## Wireless LAN solution

**The final phase of the project was the installation of the new and integrated Siemens Unified Communications and Wi-Fi network during the summer of 2009.**

Most WLAN solutions force network administrators to choose between a centralised or distributed architecture. A significant advantage of Siemens Wireless is that it can support both deployment models simultaneously, offering significant flexibility benefits over other solutions. Network administrators can select the deployment model on a per-SSID basis, without any restrictions, so that the wireless LAN infrastructure can adapt to changing requirements and applications

The solution offers a number of unique features that will benefit Deyes High School, including:

- Voice over Wireless LAN (VoWLAN)
- The network controller controls all access points in the wireless network. If one fails, the power of adjacent ones is automatically boosted to compensate until it is fixed or replaced. This way users suffer no significant service loss when an access point fails
- Asset tracking for expensive resources such as plasma screens desktops etc. The wireless tags will constantly monitor the asset and can be configured to sound an alarm if it is moved from its usual location
- Personalised tags for wearing around the neck of staff with a panic button in case of personal attack

Commenting on the service that the school has received from Lloyds, Mark concluded, "We have been very impressed with both the level of technical understanding and their capability to apply it to our needs.

"If there have been any problems they have reacted quickly and fixed them. I feel confident that we now have a stable, secure and future-proof platform which will support the school for many years to come."

