APC by Schneider Electric

Meeting challenges associated with deploying IT equipment in to small spaces.

PROJECT AT A GLANCE

Project Type
Temporary Accommodation, Flexible IT Deployment

Location
Reading, UK

Number of Buildings
Starting with one

Equipment Installed
24U NetShelter CX

CUSTOMER BENEFITS

- **Significant space savings**

- **Rapid & simple deployment**

- **Blends effortlessly into environment**

- **Safe & Soundproofed**

- **Ease of use and maintenance**

- **Transferable to new premises**

"Our temporary accommodation means that we do not have space for a traditional server room so a compact solution like this works well. The sound-proofing means that the servers can be running in the background without disturbing the children."

Susannah Daniel, Head-Teacher
All Saints Junior School, Reading

All Saints Junior School in Reading was successfully opened on Tuesday 6th September 2011, having been founded in partnership between CfBT Education Trust, parents, and the local community. It is amongst the first Free Schools to be built in the United Kingdom.

With audio-visual technology and Information & Communications Technology in particular becoming increasingly important in education, the need to place ICT directly into the classroom is growing.

Having gained permission and funding to set up one of the first Free Schools in the UK, the school was set-up in temporary accommodation while new school premises were being built.

Because of this, the school's ICT needed to be deployed directly into the classroom environment. Naturally, it needed to do this without distracting the children from their lessons.

As the above photo shows, in the case of All Saints Junior School, the APC by Schneider Electric NetShelter CX is now literally part of the classroom furniture, fitting snugly into the corner of the room and accommodating a white-board on top too.

Make the most of your space

APC®

by **Schneider** Electric

"Keeping costs down and being environmentally friendly is important, but the main thing from our point of view was that this solution was right for us."

Susannah Daniel, Head-Teacher, All Saints Junior School, Reading

The NetShelter CX is a soundproofed server cabinet that allows you to deploy computer, networking, telecoms & other technology within the working environment, next to people, without disturbing them.

In the case of All Saints, where the school had to begin life in temporary accommodation, it was not feasible to build a dedicated server room. What they found as a result of this challenge was a much simpler and more cost-effective solution for IT deployment in the long run.

The Portable Server Room In A Box
By deploying a 24U NetShelter CX, the School were able to avoid the expense and delays of constructing a dedicated white-space for their IT.

NetShelter CX works for companies and organisations of all shapes and sizes all over the world. The All Saints case represents a great example of a smaller environment need where the entirety of the School's ICT could be housed in a single unit, and kept close to the main working environment.

Noise reduction
In addition to cost and efficiency savings, the noise reducing capabilities of the NetShelter CX were a key consideration for the school administrators. The Netshelter CX is particularly applicable to the classroom environment since the inhabitants of that space are especially sensitive to noise pollution which can have a very detrimental effect on concentration.

Servers will typically generate noise at levels of between 62 and 68 decibels, which for comparison is double to triple that of normal conversational speech and similar to the noise levels created by a vacuum cleaner.

To become unobtrusive, the noise from the installed equipment must be vastly reduced, to below the level of the general working background noise, which is typically around 50 dBA. At these greatly reduced levels, the brain perceives the remaining low frequency hum from the servers as part of the overall background noise, and tunes it out.

"This product fits snugly – and importantly in the classroom environment – safely into the corner of the room, and the sound-proofing means that the servers can be running in the background without disturbing the children."

Susannah Daniel, Head-Teacher
All Saints Junior School, Reading

The NetShelter CX is available in 4 model sizes: Mini, 18U, 24U and 38U and each model comes with soundproofing, ventilation, power distribution and office looks as standard.

For further information go to www.apc.com/netsheltercx Here you will find videos, testimonials, product info and contact details for our team of NetShelter CX experts.