



Success Brief

Intel® Core™2 processor with vPro™ technology



21st-century-learning infrastructure supported by Intel® vPro™ technology

Viglen Helps Green School Drive Innovation in Learning

“Intel® Core™ 2 processors with vPro™ technology ensure our computers work 40 per cent faster than before. Our students don’t have to wait around for their computers to save work or find information on the Internet – even though their classmates are all doing the same thing at the same time.”

Jack Mayhew,
Assistant Head Teacher,
Green School

Challenge

Established in 1796, the Green School – located on green fields in the heart of Hounslow – appears to be a school with tradition at heart. After talking to Jack Mayhew, Assistant Head Teacher at the Green School, it becomes clear that the school not only takes tradition seriously, it is also committed to driving innovation and supporting student potential using the latest technology.

When the school’s computer fleet came to the end of its life cycle in 2007, Mayhew saw it as an opportunity to transform its existing information and communications technology (ICT) infrastructure. “The UK Government requires all students to have access to teaching and learning resources on a computer by 2010. I wanted to ensure that our systems were set up to accommodate rapid ICT expansion, without draining our financial resources,” he says.

Viglen customise a robust, scalable infrastructure to meet Green School requirements

Mayhew’s initial plan to overhaul the Green School’s existing PC fleet meant he put a number of competitors through their paces. “Viglen’s tender stood out against tough competition,” he says. “Our Viglen account manager assessed our requirements carefully and responded with a plan for a reliable ICT environment using computers powered by Intel® vPro™ technology,” he says.

Viglen built the Green School’s new computers with Intel® Core™ 2 processors with vPro™ technology, which includes Intel® Active Management Technology (Intel® AMT). This enables the IT team to proactively manage the network using a remote management console. The IT team can switch computers on to deploy software updates and security patches or fix PC problems and switch them off again. Intel® AMT alert and events logging features also help IT to diagnose and detect problems before they occur.

“With Intel® vPro™ technology, our team can reduce PC downtime, while providing the school with a faster, more cost efficient network,” says Mayhew.

The new management features were introduced in a phased approach by the Viglen team who wanted to ensure the school’s network ran seamlessly during the PC transition.

Highly available system boosts classroom productivity and reduces IT overheads

During discussions with Mayhew, Viglen pointed out that most students have a computer at home and expect to work as seamlessly in the classroom environment as they do at home. Mayhew realised that the Green School could support student learning by providing computers with massively increased performance and availability. “Intel® Core™ 2 processors with vPro™ technology ensure our computers work 40 per cent faster than before. Our students don’t have to wait around for their computers to save work or find information on the Internet – even though their classmates are all doing the same thing at the same time,” he says.

The combination of Intel® vPro™ technology with Intel® Core™ 2 processors also ensures that the school uses 40 per cent less energy than with the previous solution. Mayhew says: “We’ve nearly doubled the number of computers the school uses, yet our energy bill remains the same. This represents a huge saving and means we can allocate more money to additional IT services.”



IT has more time for value-added tasks

With increasing UK Government requirements to capture administrative and assessment data, the IT team needs assurance that its core-learning platform runs seamlessly. Previously, a member of the IT team had to physically walk across the school to the classroom and sit in the class to resolve routine ICT problems. "With Intel® vPro™ technology, it is like having another person on our team. Our IT employees have more time to spend on essential tasks – for example, ensuring that our management information systems work smoothly and accurately record and process data such as assessment and attendance records," says Mayhew.

But it is not only the IT team that can use resources more efficiently with Intel® vPro™ technology and Intel® AMT. The technology also maximises teaching and learning time. Mayhew explains: "Before the start of lessons, computers are switched on by the IT team using the remote management console, and switched off at the end of the class. Teachers and students don't have to wait around for computers to start up or shut down, so we gain an extra 10 minutes of valuable learning time in each 50-minute class."

Cutting-edge technology attracts high calibre ICT staff

It can be difficult for schools to attract expert ICT staff because they do not usually have a reputation as dynamic and innovative IT environments. But Mayhew explains the Green School has little problem attracting high calibre IT employees. "The technology helps us make the most of our resources and focus on developing the online learning environment. This is attractive to potential employees. Since installing Intel® vPro™ technology, the Green School has attracted numerous applications from highly qualified IT people keen to develop our ICT capabilities."

"Viglen is committed to creating and deploying customised, scalable ICT environments powered by Intel® vPro™ technology. Schools can count on us to deliver enterprise class management that enhances teaching and supports learning potential."

Bordan Tkachuk, CEO, Viglen

Enterprise management supports school's reputation for innovation and expertise

The Green School is at the forefront of ICT in the UK and frequently called on to talk about its recent implementation and ICT strategy. "There is no doubt that with our ongoing partnership with Viglen, we will continue to build the school's reputation for innovation and expertise in the ICT sector," says Mayhew. "Viglen was pivotal in my decision to invest in the Intel® vPro™ technology and now we have a 'future-proof' environment that helps us deliver top quality ICT education and learning."

"Viglen was pivotal in my decision to invest in the Intel® vPro™ technology and now we have a 'future-proof' environment that helps us deliver top quality ICT education and learning."

Jack Mayhew,
Assistant Head Teacher, Green School

Benefits

- Desktops are more energy-efficient and use 40 per cent less power with Intel® Core™ 2 processors with vPro™ technology
- Security and software updates can be managed whether the computer is left on or off
- Software and hardware asset management is improved
- Processing performance is 40 per cent faster, supporting more online learning
- Lessons are more productive as computers can be switched on before the class and switched off after the students have left



For more information refer to these useful weblinks:

Intel® vPro™ technology - <http://www.intel.com/business>

Viglen - <http://www.viglen.co.uk>

Green School - <http://www.lgfl.net/lgfl/leas/hounslow/schools/green/>



Copyright 2008 Intel Corporation. All rights reserved. Intel, the Intel logo, Intel vPro, Intel Core and Core Inside, are trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

Intel® Active Management Technology (Intel® AMT) requires the platform to have an Intel® AMT-enabled chipset, network hardware and software, as well as connection with a power source and a corporate network connection. Set up requires configuration by the purchaser and may require scripting with the management console or further integration into existing security frameworks to enable certain functionality. It may also require modifications or implementation of new business processes.

For more information, see <http://www.intel.com/technology/manage/iamt>

