10ZiG TECHNOLOGY
Thin Client Technology At Its Peak

University of York

THE UNIVERSITY *of York*

The University of York opened in 1963. In less than 50 years, York has become one of the top ten universities in the UK for teaching and research and is ranked in the top 100 universities in the world.

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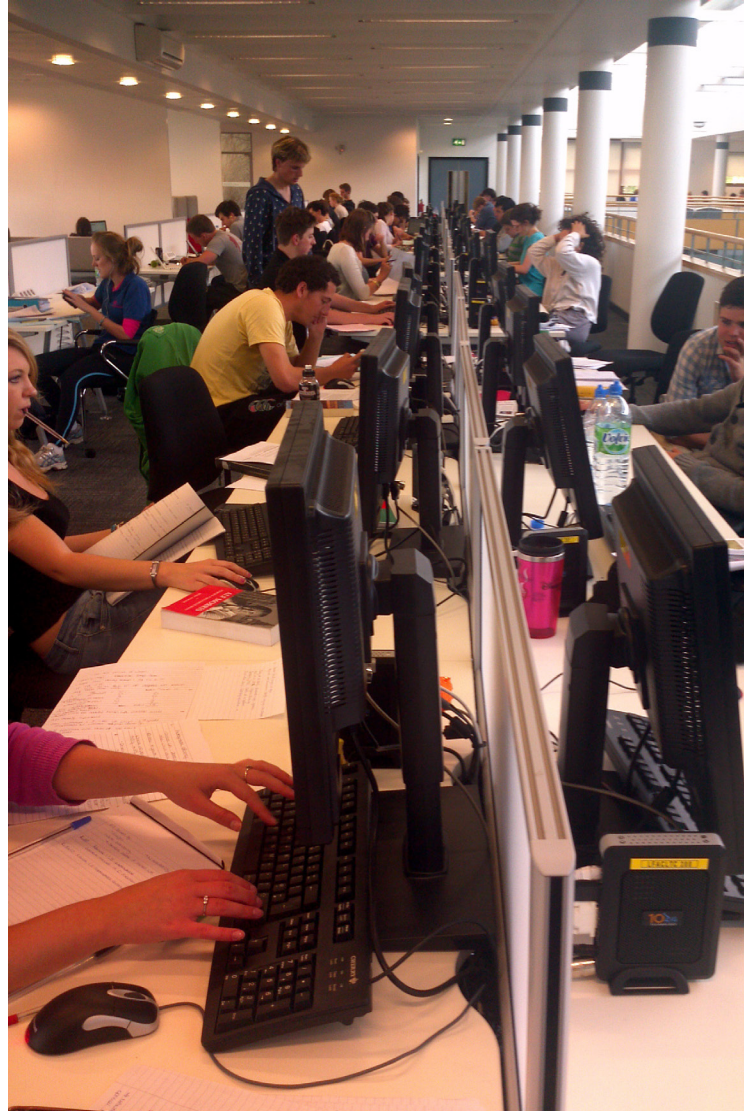
CELEBRATING **10** Years *in the Thin Client Marketspace*

The Challenge

The University of York needed to deliver an IT Service that offered increased desktop control, a consistent end user experience which allowed for a significant reduction of the University's carbon foot-print. At the same time it needed to have minimal impact on the current set up of existing users.

The University is four months into implementing virtualisation technology that is rapidly changing the way they can provide IT Services to its students. The Project has been conducted by a newly created IT Services team within the University, "Digital Workspace Group". The choice of 10ZiG 5872v Thin Clients and Quest® vWorkspace Desktop Virtualisation software has been welcomed by the University's senior management and department heads.

10ZiG Linux Thin Clients have integrated into the new and existing environments with minimal effort or disruption and are having a big impact on the way the IT infrastructure functions throughout the University. The response from the end users has been overwhelmingly positive. "We conducted a user survey and 99% of the students didn't realize they were using Thin Clients. This is exactly the seamless integration we were looking for within the University" said Pritpal Rehal, Senior Digital Workspace Administrator.

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The University of York emplemented 10ZiG Technology Thin Clients certified for Quest vWorkspace, as part of a £20 Million refurbishment of the Harry Fairhurst Building at The University of York.

After completing VMware ESX Server Virtualisation and Storage Virtualisation, the University of York decided the natural progression was to extend their virtualisation practice to the desktop and implement a robust VDI solution. After much research, Thin Clients were chosen as the preferred endpoint device. The refurbished Harry Fairhurst building, part of the University Library, was chosen as the logical starting point for their VDI proof of concept and implementation.

They had just chosen to use Quest vWorkspace Desktop Virtualisation software when they citied 10ZiG Technology Thin Clients as the terminals of choice. "10ZiG Technology was our Thin Clients of choice based on a mixture of design, form factor and specification, it provided great performance with Quest vWorkspace, has a small form-factor and due to its robust Linux OS, it has saved us money in licensing costs" said Pritpal Rehal, Sr. Digital Workspace Admin.

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The Benefits

The University is saving money when replacing old PC's with Thin Clients and has improved its desktop delivery speed and management. In addition the Thin Clients are Energy Star Rated, minimizing the Universities Carbon Foot-print.

As well as being used by the students, the Thin Clients are also used with existing external intelligent peripherals, such as smart card readers for security door access and interactive white-boards. "We already have plans to implement several more in the next 6 months. On top of that we have 30 different departments and research centers here, and they are showing a keen interest in this solution," said Rehal.

By utilising existing flat screens in the University, replacing old PC's is cheaper than ever by swapping the base units for 10ZiG Linux Thin Clients. Pritpal was quick to point out that the benefits to the University are not just financial. "It is not just

about the cost, we are finding the management and the delivery of the service is much faster."

The implementation went very fluidly due to the Thin Client's plug and play functionality. They were received and easily transported to the desktop due to their extremely small form factor and lightweight design. They were then plugged into the network and power with little to no issues compared with a typical PC install.

10ZiG provided technical support throughout the POC and Pritpal praised the way it was dealt with. "During the evaluation stage, 10ZiG had to perform some live 'tweaks' to the Thin Clients. They actually developed a custom image for us at no charge and we were very pleased with the prompt and personal support we received. We have thoroughly enjoyed working with 10ZiG throughout the project, they have been a great help."

5872v Series Model

System	
Management	10ZiG Centralized Management Utility
Form Factor	Ultra Mini
Processor	Intel Atom D2550 Dual Core 1.86GHz
Chipset	Intel NM10 Integrated Graphics Media Accelerator 3650
Dimensions	
Device	1.7"(W) x 7.8"(H) x 5.1"(D) - 42mm x 198mm x 140mm
Weight	2.53 lbs (1.15kg)
Connections	
Ports	USB x 5, Mic-In x 1, Line-Out x 1, PS2 x 1, RJ-45 LAN, DC Jack x 1
Video/Audio	DVI-I x 1 (VGA Supported with Included Adapter), DVI-D x 1, 1920 x 1200
Networking	
Wireless	Optional (Internal USB header and mini PCIe socket for WLAN module)
Ethernet	10/100/1000 Base-T
Environmental	
Operating Temp.	32-95F (0-35C), 20-80% non-condensing humidity
Power	12 Watt Consumption, 36 Watt, DC-12V/3A External Power Adapter

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