



Samsung helps Nottingham Trent University create state of the art science hub

The Challenge

Nottingham Trent University is a UK-leading research and science institution with over 24,000 students. The Universities' strategy is to transform its learning and teaching environment to create an inspiring and innovative culture. In addition to this challenge, the University needs to accommodate the increasing number of student admissions each year in a way most suitable for the students.

Andrew Ward, Business Relationship Manager, Nottingham Trent University, explains: "High demand has meant that our chemistry and biology courses have been growing each year. Rather than giving all the students the same information at the same time, we're at the point where we have to repeat lessons because of the sheer size of our student numbers. We therefore needed to look for facilities that were large enough to accommodate both disciplines, giving all of our students the best possible educational experience."

"We looked at several other universities to see how they are making use of their grounds and facilities as well as technology so we could get ideas to help us incorporate technology into our own teaching and research. Something we noticed at a number of other universities is that practical workspaces are disproportionately taken up by monitors, keyboards, wires and hard-drives but with limited space available for practical working; often by as much as half or three-quarters. We felt this was completely the wrong way around - work space should be paramount and technology should be assisting not hindering it. Therefore, we wanted to create a space for students that got this right."

"There were other factors we needed to consider too with one of the most crucial being our contamination procedures. Because of the nature of the materials that are used in the labs, paper is prohibited from being used. We also took into account student feedback when developing our technology plan. The majority of our students have smartphones and tablet devices so their expectation of technology in the classroom and the ability for 'smart working' is pretty high."

"We moved into a new building on the NTU site – Rosalind Franklin building – and began to work towards successfully meeting all of our staff and students' needs."

The Solution

"We conducted a lot of research into laptops, netbooks and tablet devices – looking into their practicality for student working, as well as cost and durability. After testing several products and talking to many companies we were in agreement that the Samsung Galaxy Tabs were the right products for us."

"The quality of the products, particularly the camera and bright display on the tab 10.1, made it an easy choice in the end for us. At the same time, we also added Samsung large format display for our student information screens on entry to the building."

These products include:

- Samsung Large Format Display ME40A
- Samsung Galaxy Tab 10.1

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NOTTINGHAM
TRENT UNIVERSITY

COMPANY: Nottingham Trent University

COUNTRY: UK

INDUSTRY: Higher education

FOUNDED: 1992

NUMBER OF EMPLOYEES: 4,150

WEB ADDRESS:
<http://www.ntu.ac.uk>

CHALLENGE: Create a safe, secure and leading science laboratory that meets student needs and expectations.

SOLUTION: The creation of the Super Lab - a rich and stimulating environment for teaching and research into chemistry and biology

BENEFITS: Giving students practical solutions to note taking and practical experiments while also meeting contamination expectations

RESULT: Giving more desk and research space to students in the SuperLab and thereby creating an innovative and paperless teaching environment enabled by the Samsung Tab 10.1.



The Result

The result is a technologically advanced education hub – Rosalind Franklin building, featuring leading edge technology for students and staff to make the most of their world class research and education department.

The Super Lab, based in the Rosalind Franklin building will feature Samsung display and Tab devices, giving students extensive access to technology to aid their education. The monitors will be used to welcome students into the building, providing information about classes and location.

Tabs will be extensively used to give students the technology needed to produce their work without impacting on desk space needed for practical experiments.

The Rosalind Franklin Super Lab will welcome its first students in October 2012 and has capacity for up to 215 students. NTU are hoping that this facility will become one of the leading university science laboratories in the UK, where practical experiments and technology work together to help both staff and students

About Nottingham Trent University

Nottingham Trent University (NTU) is one of the largest universities in the country. It has a diverse international community, with students from over 104 countries studying a wealth of disciplines across its three campuses.

Over the past decade, NTU has invested more than £130m in its campuses. This includes the regeneration of grade II listed buildings, Newton and Arkwright, as well as the aforementioned Rosalind Franklin building (aka Superlab). Their green-estates strategy has also helped them rank as the most environmentally friendly university in the country.

NTU's research is globally recognised for its academic rigour, relevance and importance. Many of its projects are aimed at real world issues, undertaken with industrial partners or commissioned by businesses and public sector organisations.

Nottingham Trent University's mission is to deliver education and research that shape lives and society.

About Samsung Electronics Co., Ltd.

Samsung Electronics Co., Ltd. is a global leader in semiconductor, telecommunication, digital media and digital convergence technologies with 2011 consolidated sales of US\$143.1 billion. Employing approximately 206,000 people in 197 offices across 72 countries, the company operates two separate organisations to coordinate its nine independent business units: Digital Media & Communications, comprising Visual Display, Mobile Communications, Telecommunication Systems, Digital Appliances, IT Solutions, and Digital Imaging; and Device Solutions, consisting of Memory, System LSI and LED. Recognised for its industry-leading performance across a range of economic, environmental and social criteria, Samsung Electronics was named the world's most sustainable technology company in the 2011 Dow Jones Sustainability Index.

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ABOUT SAMSUNG ELECTRONICS CO., LTD. is a global leader in semiconductor, telecommunication, digital media and digital convergence technologies with 2010 consolidated sales of US\$135.8 billion. Employing approximately 190,500 people in 206 offices across 68 countries, the company consists of nine independently operated business units: Visual Display, Mobile Communications, Telecommunication Systems, Digital Appliances, IT Solutions, Digital Imaging, Memory, System LSI and LED. Recognised as one of the fastest growing global brands, Samsung Electronics is a leading producer of digital TVs, semiconductor chips, mobile phones and TFT-LCDs. For more information, please visit www.samsung.com.