

CASE STUDY OVERVIEW

CUSTOMER CHALLENGE:

Taking its responsibility for students learning experience very seriously, St Andrew's University School of Medicine wanted to enhance the current experience in order to help students get the most out of their 3 years on campus. They wanted a solution that could allow students to video and present their communicational and clinical skills. The University were also looking for a solution that was scalable so that additional cameras and functions could be added in years to come.

SOLUTION:

King Communications and Security Ltd implemented an IP video solution based on a combination of Milestone Xprotect® enterprise, Xprotect® Transact and Xprotect® Smart Client which formed MedVu. They then created a web portal, accessible to students to view their work securely.

CUSTOMER BENEFITS:

- ✓ Scalable to meet future requirements.
- ✓ Flexible System for adaptability – cameras can be plugged into any port.
- ✓ Feature rich software accommodates evolving needs.
- ✓ Easy to use.



St Andrew's University is Scotland's first university and the third oldest in the English speaking world. Over the past six centuries it has established a reputation as being one of Europe's leading and most distinctive centres and research. In order to maintain this reputation, the university must be at the fore front of new technology at all times.

The university wanted to provide a service for the 460 medical students and 100 medical staff so that they could record their work and look back on it on a large screen to aid learning and development. Other Medical schools in Scotland have similar systems, but none that can meet all of the requirements of St Andrew's.

With a focus on a scalable solution, King Communications & Security were chosen to create a customised system & web portal for St Andrews. Their partner Milestone combined 3 products to create the university's MedVu system. King Communications & Security then implemented the system, installed 84 cameras throughout the school of Medicine and designed a web portal for students to utilise and store their videos.



Julie Struthers, Learning Technology Consultant at St Andrew's University stated: "Scalability was a key requirement for the new video capture system. For example, simultaneous



“MedVu needed to be an enabler for teachers, not an irritant. So ease of use was one of the key development considerations. We worked closely with King Communications to simplify the user interface at the bed head, while also making web portal access easy at the back end.”

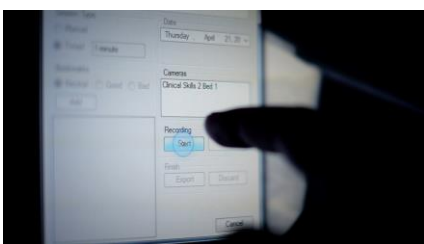
- JULIE STRUTHERS, LEARNING TECHNOLOGY CONSULTANT AT ST ANDREWS UNIVERSITY

“We undertook extensive discussions, detailed requirements gathering and prototyping in order to establish the appropriate data security model for MedVu while allowing for easy access to make, view and bookmark video recordings”

- MARTYN KING, MANAGING DIRECTOR OF KING COMMUNICATIONS

“The level of sophistication is perhaps only made clear when evaluating equivalent systems”.

- IAN GORDON, DIGITAL MEDIA DEVELOPER AT ST ANDREW’S UNIVERSITY



recording of up to 46 clinical skills exams was required. We looked at existing systems around Scotland but none that met all these requirements. MedVu had to be designed from scratch, working with King Communications and its partner Milestone.”

In total, 84 cameras were installed around the medical school. There are network cameras covering all 8 bays in each of the 4 clinical skills rooms, 14 bedhead cameras covering bays in the Medical Resource Centre, 2 cameras in the fully equipped simulation rooms, there are a further 2 cameras installed in each of the 6 consultation rooms so that students can record themselves in a real life situation and be able to look back and review their communication skills and the final 4 cameras are situated over a bench in a research lab in order to study patients eating habits. These videos can be viewed from a nearby tutorial room on a large screen and they are also available to see in the central technician’s room along with all of the other videos which allows the monitoring of up to 46 practical exams at one given time.

King Communications were faced with the task of designing a web-portal that the students could log on to in order to view their work. This web portal was made available via a secure web browser. The security of this web portal was at the up most importance, confidentiality was a major factor as the owner of the video was technically the student so access to the video had to be controlled. Usernames and passwords were put in place in order to keep control of this function and the owner of the video could “invite” other users to view their videos if they wish to do so.



Two IBM servers were installed to support the web portal that was implemented by King

Communications, one is set up to encode the videos and the other is there for web streaming. Two servers were installed by Milestone which are dedicated to storing clinical and communication skills videos. The system that has been set up is very flexible and has been set up on an IP network so that additional cameras and equipment can be added on at any given time in order to support the universities growing needs.

For more information about the installation, or any other Security and Telecommunications enquiries, visit www.kingcomms.com.

Notes to Editors...

1. *King Communications & Security Ltd offer free informational seminars, in association with all of their business partners, explaining IP CCTV and current market developments in security and integration. The next of these will be held on September 19th 2013.*
 2. *The products installed at St Andrew's and all other products available can be demonstrated by King Communications & Security Ltd.'s experience sales staff, by getting in touch using the details below.*
 3. *For a series of other successful installations, please contact our team on the details below.*
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About St Andrew's University...



University
of
St Andrews

Founded in the fifteenth century, St Andrews is Scotland's first university and the third oldest in the English speaking world. Teaching began in the community of St Andrews in 1410 and the University was formally constituted by the issue of Papal Bull in 1413. The University is now one of Europe's most research intensive seats of learning - over a quarter of its turnover comes from research grants and contracts. It is one of the top rated universities in Europe for research, teaching quality and student satisfaction and is consistently ranked among the UK's top five in leading independent league tables produced by The Times, The Guardian and the Sunday Times. According to the Sunday Times, St Andrews is "now firmly established as the leading multi-faculty alternative to Oxford and Cambridge."

For more information, visit www.st-andrews.ac.uk

For further information about St Andrew's University, please contact:

Kitty Macintyre, Publications

Tel: 01334 463 022

Web: www.st-andrews.ac.uk



About King Communications & Security Ltd...

King Communications & Security Ltd specialises in the Design and Installation of systems in the Security, Telecoms and Nursing/Healthcare industries. It has been in operation for over 25 years providing innovative solutions to many household name clients as well as Residential Security and Monitored Solutions.

King Communications is currently active in the following areas. Telecommunications and Business Communications, Security - Intruder & Burglar Alarms, CCTV, Access Control and other security products, Building Safety - Fire Alarms, Disabled Refuge, Induction Loop, Disabled Toilet etc, Nursing and Care - Nurse Call, Warden Call and Patient Call Systems and accessories.

For further information about King Communications & Security Ltd, please contact:

Graham McArthur, Business Development Manager

Tel: 0843 208 0888 E-Mail: Graham.McArthur@kingcomms.com

Web: www.kingcomms.com