smots™

Scotia Medical Observation and Training System

www.smots.org

case study

Edith Cavell Building : University of East Anglia

smots™

Scotia Medical Observation and Training System

case study

Location

Edith Cavell Building

Organisation

University of East Anglia

Number of Cameras

3 Mobile | 21 Fixed | 6 InSitu

Type of Studies

Clinical Skills Education & Practice

Contact

Matt North : Head of AV Solutions

---

smots™ : What environments is smots™ is installed in?

Matt North : Head of AV Solutions

General Purpose Skills Teaching Spaces
Midwifery Simulation Space
Domestic Living Room & Bedroom Simulation Space
Operating Theatre Simulation Space
6 Bed Acute Ward Simulation Space
Immersive Simulation Space
Lecture Theatre and Debrief Spaces

> "I would not hesitate to recommend the smots™ system or the team behind it to colleagues across the HE sector."

Matt North
Head of AV Solutions

---

smots™ : Can you give us an overview of your system ?

Matt North : Head of AV Solutions

Our smots™ system has been installed into our Edith Cavell Building, which houses our School of Health Sciences and their clinical skills education practice. During 2021, the building received investment to upgrade the teaching room facilities to create a suite of clinical skills spaces.

The spaces within the building fall into three categories; General Purpose Skills spaces, Debrief rooms and Simulation spaces. Each of the General Purpose Skills and Debrief rooms houses a PTZ camera and smots™ encoder, along with Shure MXA710 array microphones to capture the action within the space. Using smots™ Control Center, the activity captured in these spaces can be viewed live and played back in the Debrief rooms. The spaces work together with a group of students completing simulations in the General Purpose Skills or Simulation spaces and their peers watching the action live in a Debrief room before coming back together as a cohort and discussing the simulation.

Matt North : Head of AV Solutions

The SMOTS system gives our Health Sciences academics the power to run simulations remotely and communicate to students in the specialist simulation spaces via the supplied speaker. This reduces staff overhead and complex logistics to run the simulation sessions.

The system of 17 ceiling mounted PTZ cameras and encoders is complemented with an additional 3 mobile camera units, 6 wireless body cameras and an additional 2 x auxiliary encoders for Vital Signs monitors. Together, these cameras allow different perspectives to be captured at once and allow all to be synchronised via the smots™ Control Centre software for playback and export to our Virtual Learning Environment. The different cameras have all been used in scenarios that have been run across the entire building for our paramedic trainees, including a bomb simulation.

An additional 4 ePTZ cameras have been installed into a dispensary education suite for our School of Pharmacy. This has allowed the school to leverage the power of the smots™ system for their own simulation practice, whilst building a working relationship with the School of Health Sciences and identifying opportunities for collaboration using the smots™ system to enhance student learning across disciplines.

smots™ : What do you like about smots™ ?

Matt North : Head of AV Solutions

The software is the smots™ USP, allowing content across different camera types to be captured and viewed in synchronicity in a user-driven interface. Once setup and training delivered to the local clinical skills technicians, the academics have taken to using the software and are discovering new ways to deliver their teaching using the system which is greatly enhancing student learning opportunities. This has required very little operational support from my team (as the IT Service Owner) and it's been rewarding to see the hard work to deliver the technical infrastructure for the whole building pay off by generating fantastic opportunities to enhance student learning and experience, preparing next generations of health science professionals.

"The whole process has been a pleasure.. Gordon and the team were always on hand to answer queries"

Matt North
Head of AV Solutions

smots™ : How has the process been for you ?

Matt North : Head of AV Solutions

The whole process has been a pleasure - right from initial enquiry to commissioning and sign-off, Gordon and the team were always on hand to answer queries - whether they be technical or functional in nature. I've felt supported throughout the installation and commissioning process and found all members of the Scotia team great to deal with. I would not hesitate to recommend the smots™ system or the team behind it to colleagues across the HE sector.

smots™ : Any surprises ?

Matt North : Head of AV Solutions

There were challenges along the way, mainly with onboarding the system within our IT infrastructure and ensuring that our policies were adhered to at all times. But Scotia were always forthcoming with any information we required and whilst it took a while to resolve some of the issues, this was down to our own internal processes. I felt supported by Scotia throughout and felt I could lean on them for support wherever required.