

There's more below  
the surface!



**A+K PADS**  
DIGITAL SIGNAGE

**A+K EduVu**  
Room Information Display

**Stewart**  
FILM SCREEN

**Auditoria**  
Projection Screens

**PolyVision**  
a steelcase company

**RoomWizard Room Booking System**  
ēno Interactive Systems

**BORKS**

Column Board Systems

**MITSUBISHI  
ELECTRIC**

LCD Touch Screens  
24/7 Auditorium Projectors  
IP Cameras & Security Systems

**sms**  
SMART MEDIA SOLUTIONS

AV Brackets & Mounts

Discover how much more  
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Distinction catalogue



## At the forefront of technology with Anders+Kern

Learning is more than just something we do; learning, reasoning, questioning and exploring are experiences fundamental to human nature. Today's audio-visual systems have the power to transform learning materials into experiences that can be seen, heard, touched, interacted with and understood like never before.

Anders + Kern is the UK's leading supplier of audio-visual solutions for learning environments. The products in our Brands of Distinction range, carefully selected for their superb performance, durability and low cost of ownership, plus our proven track record of top-class service, ensures that you will get the system that's right for your needs. And all backed by reliable support and after sales care. From world-class universities, to local primary schools, Anders + Kern has helped generations of students to experience learning at a whole new level.

**Derek Kuziw, Managing Director**

## Glasgow Caledonian University Tough enough to handle chemistry labs

Glasgow Caledonian University was formed in 1993 as a result of the merger of Glasgow Polytechnic and The Queen's College, Glasgow. A modern university, Glasgow Caledonian devotes a sizeable proportion of its resources to world-wide research in a diverse range of fields, including the natural environment, health and society.

The University recently decided to re-equip and modernise its chemistry laboratories with a full array of audio-visual and IT services. When considering which systems would be suitable for its needs, the University put a priority on obtaining equipment that would be state of the art, while also rugged enough to be used for many years without any drop in quality or need for replacement in a demanding laboratory environment.

Glasgow Caledonian has equipped a large number of rooms with PolyVision ēno interactive whiteboards. And it's easy to see why. Not only is the ēno the first and only environmentally certified interactive whiteboard to combine the simplicity and ease of a traditional marker

board with high-performance interactivity, all without cords, cables or costly installation, it also features industry-leading e3 environmental ceramicsteel: an exceptionally smooth surface for dry-erasing not just today, but decades into the future.

Recently installed, each of Glasgow Caledonian's chemistry laboratories now features two ēno interactive whiteboards, along with cutting-edge surround sound, induction loop and microphone systems. In addition, the largest teaching laboratory has a ceiling-mounted camera for recording and projection.

The system is controlled by a central computer, able to take control of any computer-controlled instrument in the laboratory and project its image on the interactive screens at the front of each teaching laboratory. This is especially useful for lecturers needing to demonstrate what is being viewed by microscopes. Lecturers additionally use the new ēno interactive whiteboards to show illustrations and as aids to pre-laboratory discussion.

Thanks to its use of A+K Brands of Distinction products, Glasgow Caledonian University's lecturers are able to teach more effectively and the learning experience of its students is enhanced. In particular, the ability of the whiteboards to save and distribute the contents of each lecture with one easy click that captures "virtual ink" notes has been praised.

### The Equipment list

- PolyVision ēno interactive whiteboards
- PolyVision ēno mini slate
- Ultra short throw projector
- SMS height adjustable wall mount



*PolyVision ēno used in laboratory environment*

**We extend an invitation to join us at the following A+K-Mitsubishi Technology Days. For further information and your personal invitation phone 01638 510900.**

## University of Stirling

### 21st Century AV for 21st Century Learning

The University of Stirling has invested nearly £14m in redeveloping its library building in order to create a truly modern learning resource at the heart of the University campus.



*SMS solution - practical simplicity*

The University's vision has been to create a 21st century library which serves the information needs of students at the physical and intellectual heart of the campus. A vibrant, welcoming place where students interact with each other and with the many resources available, helped by knowledgeable mentors.

To make this vision possible, the University needed an environment which could provide the latest communication technology; one that encouraged enterprise and creativity as well as scholarship. The University turned to their local supplier and Anders + Kern for its Brands of Distinction product range. A+K's provision of presentation and teaching equipment, such as the PolyVision ēno dynamic and ēno interactive whiteboards, provided an environmentally friendly solution which, via the PolyVision "Forever Warranty", also guaranteed longevity.

A+K's solutions have proven to be superior teaching tools which all users were able to rapidly master.



*PolyVision ēno Dynamic*

Teaching staff, in particular, appreciate the interactive nature of the whiteboards and that dry wipe marker pens may be used freely without damaging the surface.

Many of the library's study rooms now have full AV facilities, with LCD displays mounted using SMS wall to floor mounts, secure media cabinets and a shelf for housing equipment. The rooms allow students to practice presentations and work on group projects, and benefit from having LCDs with low reflective screen surfaces to ensure that any bright light reflecting onto the screen and causing a glare is eliminated. The LCD screens offer high resolution, excellent picture quality and



*PolyVision ēno and A+K RACK-LINE storage cabinet*



*A+K INFO-LINE Signage Tower*

stunning levels of brightness.

The Main Reception and Enterprise suite is an area where services are made available to enable all members of the University to exploit the opportunities created by the constantly changing information landscape. A+K PADS Digital Signage is used, as well as A+K INFO-LINE. The system was delivered and in operation within a day, and displays regularly updated information to both students and staff.

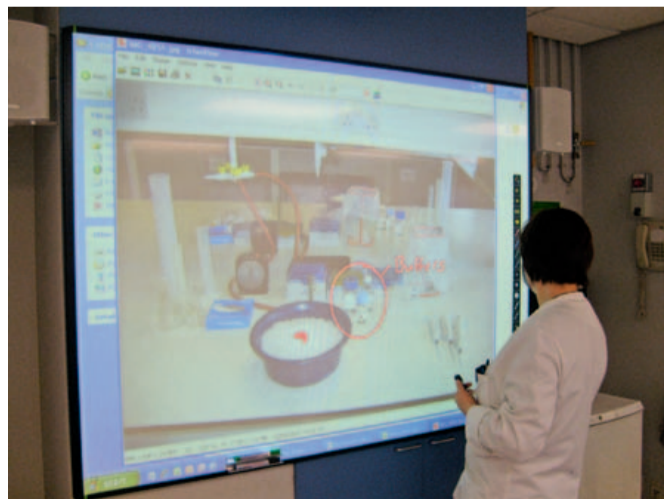
#### The Equipment list

- PolyVision ēno 2610 (78") on SMS electric height adjustable Mobile Stand
- PolyVision ēno 2810 (96") wall mounted
- PolyVision ēno Flex Dynamic (6.4m wide)
- PolyVision ēno mini slate
- SMS short throw wall mount
- SMS floor to wall mounts with media storage cabinet and shelf
- Mitsubishi Electric LCD
- Short throw projectors
- LG display TV
- A+K PADS Professional digital signage
- A+K INFO-LINE signage tower
- A+K RACK-LINE 13U single and double equipment cabinets

## Sheffield Hallam University

### Short throw projection helps students gain deep understanding

Sheffield Hallam University, with origins dating back to 1843, is one of the largest educational establishments in the UK, providing courses for more than 33,000 students. Gaining university status in 1992, Sheffield Hallam reorganised into four main faculties in 2005, among them the Faculty of Health and Well Being.



*ēno used in the teaching laboratory*

In 2010 the Faculty decided to modernise and upgrade its teaching equipment. It turned to Anders + Kern (A+K) to bring its facilities up to date and to manage the equipment installation in two large teaching laboratories. PolyVision's ēno interactive whiteboards were major components of the Faculty's order, along with short throw projectors.

The introduction of interactive whiteboard technology into the teaching laboratory environment now allows

users to skip back and forth through previously covered information that would normally have been erased on a regular whiteboard, enabling pages covered in lectures to be saved and used for subsequent classes, as well as highlighted and annotated to reinforce the learning of significant parts of experimental procedures.

Short throw projectors, the Faculty's other major investment, increased the scope of teaching laboratories to show videos, PowerPoint presentations and live streaming of microscope images. For practical demonstrations, the use of eye piece cameras with attached USB ports has allowed lecturers to show images from a microscope to the whole class, something that was not possible before. Where previously, lecturers were only able to verbally describe the results of their demonstrations, thanks to the Faculty's investment they

are now able to let students see for themselves.

Both interactive whiteboards and projectors have become essential elements of every class held in the teaching laboratories. Lecturers and students at the Faculty of Health and Well Being have found that training time to use the new facilities is minimal, and are able to make full use of whiteboards and projectors, which in turn has improved the quality of lectures. Thanks to A+K's knowledgeable and experienced guidance, the Faculty can now refer back to past lecture content, and show interesting information to students where before it could only describe.

#### The Equipment list

- PolyVision ēno 78" interactive whiteboards
- Short throw projectors



### New Product A+K EduVu Information Display

**A+K EduVu keeps staff and students fully updated with timetabling information. The 20" widescreen display clearly shows current activity and future schedules without the need to enter the room.**

## Scotland

Venue: Dynamic Earth, Edinburgh

Date: 15th March 2011

## North

Venue: Galpharm Stadium, Huddersfield

Date: 5th April 2011

## South

Venue: Mitsubishi HQ, Hatfield

Date: 7th April 2011

# University of St Andrews School of Medicine

## Ease of use and seamless system integration

St Andrews University School of Medicine in St Andrews, Fife, has a rich history of training and research that dates back almost 600 years, with a current specialisation in cancer studies. Proud of its long history, the University was nonetheless conscious of the need to accommodate and master new technologies and techniques, and recently began to relocate several of its faculties to purpose-built premises; among them the School of Medicine building, completed in early 2010.

To complement its new surroundings, the University



*ēno in a medical laboratory environment*

began the search for AV systems that would not only be robust, forward looking and capable of enhancing the learning experience, but that would also be easily integrated into pre-existing systems. St Andrews quickly realised that the Anders + Kern (A+K) Brands of Distinction portfolio offered everything it needed.



*ēno at work in the teaching ward*

The University's teaching and research requirements demanded equipment that could be used in a wide range of scenarios, such as its simulated hospital wards. A+K's



*ēno interactive whiteboard used in the laboratory*

combination of PolyVision ēno interactive whiteboard products and short throw projectors was their chosen solution, combining durability with ease of use and integration with pre-existing systems. Smart Media Solutions (SMS) short throw wall mounts completed the installation.

It isn't difficult to understand the appeal of PolyVision's ēno interactive whiteboards. Cord and wire free, making for safer, less cluttered classrooms and meeting rooms, they allow users to make notes, draw diagrams and illustrate lessons and presentations by writing directly on the whiteboard with a regular dry-erase marker, or using the interactive stylus. Ultra short throw projectors, designed for use with interactive whiteboards, were also perfect for the University.

The IT staff of St. Andrews and their contracted installer collaborated with A+K to ensure the smooth integration of the whiteboards, projectors and wall mounts with the pre-existing PC support structure. University staff have declared the project a resounding success, the new equipment winning praise for its versatility and ease of use.

## New Product Mitsubishi Touch Screen

Mitsubishi Electric's range of high-quality, full-featured LCD display monitors have been enhanced with 'Assist™' technology, making interaction easy and simple, and providing an informative and effective communication tool for classrooms, meeting rooms, reception areas and retail applications.



### The Equipment list

- PolyVision ēno interactive whiteboard
- PolyVision ēno mini slate
- Short throw projector
- Custom painted SMS wall mount

# Anglia Ruskin University

## Visual tools aid understanding for non-native English speaking students

Anglia Ruskin University, with origins dating back to 1858, was awarded university status in 1992. Today, with a student population of over 30,000, it is one of the largest universities in the East of England and a major provider of part-time education.

The main campuses at Cambridge and Chelmsford attract students from around the UK and increasingly from mainland Europe and beyond. The University additionally has an extensive network of contacts with institutions throughout the world, delivering courses in countries as far removed as Malaysia and Trinidad.

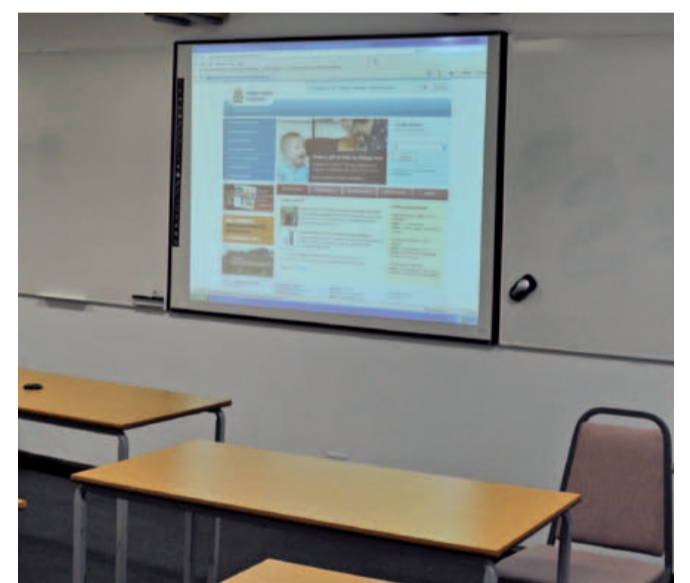
In partnership with Anders + Kern (A+K), Anglia Ruskin has been using PolyVision ēno interactive whiteboards for some time as an important teaching tool for classrooms both in Chelmsford and Cambridge. Ease of use, along with the versatility that allows the board to be used as a straightforward dry wipe surface initially attracted the university to trial the product alongside other established brand names. The quality of the whiteboards, with their low cost of ownership and immaculate green credentials, was obvious to users at the University, who later returned to A+K with a more substantial order.

ēno models adhere to stringent environmental certifications, are made of recycled materials and do not

draw from power outlets. Installation of ēno whiteboards in a new or existing classroom thus reduces the classroom's carbon footprint.

### The Equipment list

- PolyVision ēno interactive whiteboards
- Short throw projectors



*ēno in a teaching environment*



## New Product PolyVision ēno one

ēno one combines an ēno interactive whiteboard, short-throw projector and stand in a single solution from one provider. ēno one can answer the needs of any classroom configuration, teaching style or student.

## University of Edinburgh

### Flexibility, adaptability and sound advice

The University of Edinburgh Business School is known internationally as a leading business school with a highly respected MBA programme. Providing business education since 1918, the School focuses on four main areas of study: financial services; public management; entrepreneurship and innovation; and carbon management.

In 2007 the Business School decided that in order to improve its teaching capabilities to their desired level a change of premises would be necessary, and started plans to move to a different location. The building chosen was ageing and had limited AV-based teaching aids, so the Business School contracted an approved supplier able to offer the latest digital communication tools, and with the expertise to devise a flexible solution that would enable the new AV equipment to integrate seamlessly into the various different teaching areas.

Anders + Kern (A+K) and the Business School's contracted supplier were able to demonstrate the flexibility and adaptability of their sourced products, and

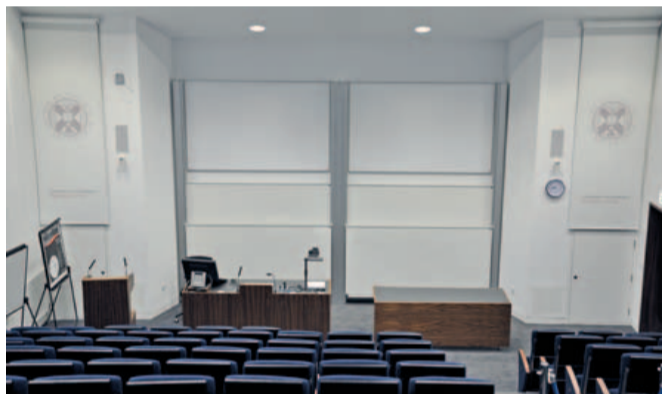


Check room availability at a glance with RoomWizard

gave advice on how the nature of their requirements pointed towards the suitability of A+K's range of RoomWizard booking systems, A+K PADS digital signage systems and BORKS Column Board Systems.

Each of the solutions suggested by A+K offered meaningful benefits to the Business School. RoomWizard's touch-screen displays mounted outside equipped rooms provide scheduling and reservation information at a glance, ideal for finding an impromptu meeting or lecture space, or avoiding interrupting a room currently occupied. A+K's PADS software, allowing users to incorporate text, video images and sound, and display messages within a few seconds of input, is both powerful and user-friendly, and conveniently operated: users centrally manage content that can be broadcast to a number of separate displays, whether local, regional or international.

The refurbished building intended for use by the Business School required a teaching solution that was robust and could be easily raised and lowered, which is why A+K supplied custom BORKS Column Board



Borks column boards in the lecture theatre



### New Product A+K PADS Standalone+

With a range of pre-designed and customisable templates to choose from, A+K PADS Standalone+ provides a simple, fast and efficient solution for day-to-day digital signage.

systems, to guarantee a high-quality finish throughout. The AV installation project has been well received by both lecturer and student users. Now located in a modern, bright and flexible teaching environment, the University of Edinburgh Business School is able to offer a large variety of formal and informal teaching spaces.

#### The Equipment list

- Room Wizard booking systems
- A+K PADS digital signage systems
- BORKS Column Board Systems

## Netherhall School and Sixth Form College

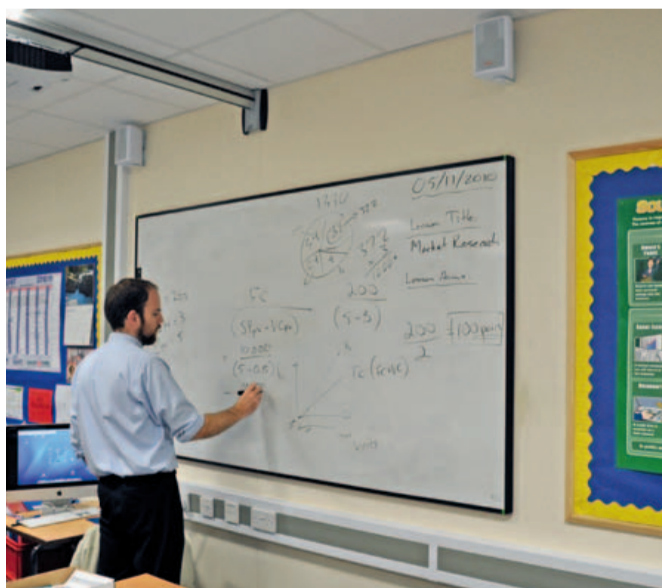
### PolyVision ēno - the interactive whiteboard solution compatible with Apple Macs

Based in Cambridge, the Netherhall School and Sixth Form College offers its students a wide range of A-level courses. The College has intake numbers of approximately 280 students a year, allowing it to focus on providing individual guidance in small groups, and provides high-quality teaching within excellent study facilities. These facilities were further enhanced by moving into a new building in January 2010.

that is magnetic, dry wipe and interactive. The ēno 2810 model projects a 4:3 image onto widescreen, allowing space for dry wipe and interactive work at the same time. PolyVision ēno supports both Microsoft Windows and Apple Macintosh operating software, and delivers interactivity through Bluetooth-enabled technology.

Unlike many interactive whiteboards, ēno works with any software. Teachers are therefore not locked into canned lesson plans. A teacher is free to interact and use software such as Microsoft PowerPoint for Windows or Numbers (or any similar Open-source software).

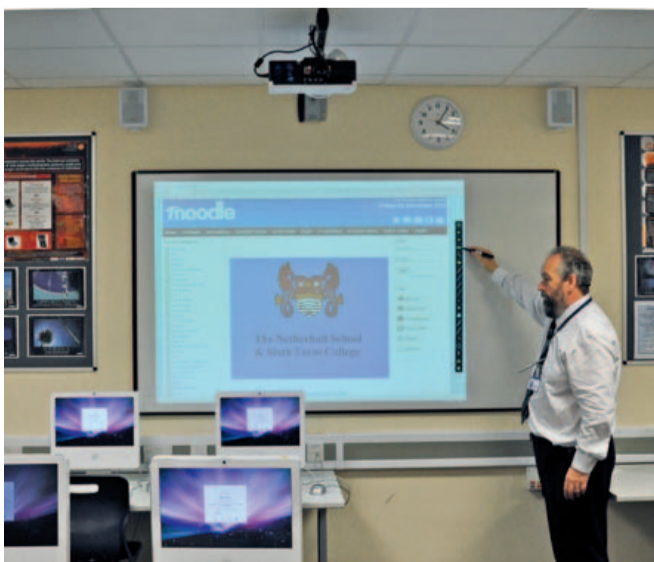
The ēno interactive whiteboard has been very well received by all users. Alistair Wells, Director of eLearning at the College, commented: "The boards are so simple to use that new teachers could be shown how to use the board by pupils... It's the best board we have used with Apple Mac computers."



ēno can be used as a standard dry-wipe board as well as interactive

As part of its continued development and desire to upgrade available technology, the College required an interactive whiteboard that could also be used as a standard dry wipe. Furthermore, the chosen whiteboard had to be compatible with Apple Mac computers, which are used widely across the College.

Anders + Kern (A+K) suggested its range of PolyVision ēno whiteboards, which features a ceramic steel surface



Widescreen projecting 4:3, allowing space to use as dry-wipe and interactive at the same time

#### The Equipment list

- PolyVision ēno 2810
- Short throw projector
- SMS short throw projector bracket



### New Product Mitsubishi Installation Projectors

The XD8100U (XGA), widescreen WD8200U, (WXGA), UD8350U & UD8400U (WUXGA) dual-lamp projectors features include, edge blending and network connectivity.

Find out more about A+K at the SCHOMS 2011 Conference. Newcastle University. May 2011.

