



SECURITY & COMMUNICATION NEWS

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WIN
a Sanyo HD
camcorder courtesy
of Veracity UK!



Automated gates, doors and parking barriers

Scottish Communications is now a supplier and installer of CAME (pronounced 'CAM-AY') electro mechanical automation systems for gates, doors and parking barriers.

Since 1972 the company, which is Europe's leader in electro mechanical automation systems for gates, doors and parking barriers, has shown commitment to innovate and consistently carry out research. CAME guarantees its products' distribution and support worldwide through its branches.

With a vast product range available, automating almost any gate is possible, be they wrought iron, steel or wooden, you will find a motor in the CAME range to meet your needs. CAME models are available in 230v A.C., 24v D.C. and three phase options, and can be categorised as:

- Underground gate operators.
- Worm drive gate operators.
- Articulated arm gate operators.
- Sliding gate operators.

Parking barriers are today one of the most

sought after types of automation for controlling the vehicle traffic in public car parks, private entrances, and blocks of flats. The CAME 'Gard' range includes both 230V A.C. and 24V D.C. models, and a special stainless steel version where corrosion may be an issue. Any type of thoroughway can be controlled, from small, narrow passages with quick barriers, to very wide passages up to 12m.

A vast range of dedicated accessories are also available, designed to complement the system even when special requests are involved, such as with jointed arms or anti-panic systems.

All CAME motors can be operated using a wide range of card and token readers, remote controls, digital keypads and intercom systems.

Paul Gibson, Managing Director of Scottish Communications, said: "We are delighted that we are now able to offer our customers a range of automated systems for gates, doors and parking barriers, which neatly complements our existing portfolio of services."

Visit www.scottishcommunications.com for more information

Special thanks given for introductions to new clients

Scottish Communications is offering a great



new incentive for existing customers to introduce new clients to the company.

If a client recommends our services to another customer that leads to a sale, then we will be happy to provide a £50 Marks & Spencer gift voucher in way of a special thank you!

Brian Davidson of Scottish Communications said: "Recommendation by word of mouth has always stood us well as a principal means for engaging new business. We appreciate when this happens and this is why we would like to thank customers who pass on their recommendations to other companies."

Innovative remote support service benefits customers

Scottish Communications can now offer customers an innovative and cost effective IT based remote support service.

Scottish Communications has the technology in place where it can provide remote support and diagnostics through a broadband connection to a customer's PC based CCTV or access control system from its head office in Perth. This enables any problem to be quickly identified, and in certain instances quickly resolved, without having to incur the expense of sending out an engineer. Such remote support is only ever carried out with the explicit permission of the customer.

Recently, the Aberdeen-based Wood Group had a technical problem with its access control system in its Glasgow office. Within 10 minutes of being notified of the problem, Scottish Communications had the system up and running again.

Brian Davidson, Operations Director, said: "This new remote service saves the costs of sending an engineer out and can get a customer back up and running quickly. It saves the client money and where utilised is quick and efficient."



St Columba's School extends CCTV Coverage

Following the success of the installation of CCTV at its Junior School, St Columba's in Kilmacolm, Renfrewshire has now extended and upgraded its CCTV to cover all parts of the campus.

As reported in the last edition of *Security & Communication News*, the Junior School installation by Scottish Communications involved a comprehensive CCTV with movement detection to cover the perimeter of the grounds and other areas. When activated the system records and activates an alarm within the Corps of Commissioners CCTV Alarm Receiving Centre (ARC) in Glasgow.

The new system installed for the Senior School is very similar with a number of fixed positional cameras and fully functional speed domes placed at strategic points which are linked to the ARC in Glasgow.

Alex Galbraith, Estate Manager for St Columba's, says that the success of the Junior School installation was one of the main factors in the School's decision to

extend the coverage to the Senior School.

"The Junior School system has been a real success – with regard to security but also as a means for ensuring the health and safety of pupils," he says. "This is particularly important where young children are concerned.

"It made sense to extend coverage to the Senior School and we are delighted with the way the system is operating and the real benefits it provides."

The ARC views all cameras and if anything suspicious is detected the police are immediately informed. The ARC operator can also make announcements over a tannoy system to warn an intruder that they are being monitored. The system also allows the school management to monitor the grounds during the day as required.

Scottish Communications have also just recently received an order from St Columba's to connect the Junior School system to cover the perimeter of their new nursery block.

CCTV for libraries

Scottish Communications has installed a network IP system at two libraries belonging to Dundee University.

High-resolution vandal resistant mini-dome cameras were installed in both

the entrances and exits of the libraries, linked to a network to enable viewing and recording from the main campus library.



Quality CCTV for The House of Bruar

Situated in rural Perthshire 10 miles north of Pitlochry, The House of Bruar is one of Scotland's best known retail experiences that boasts some of the country's finest produce, clothing and rural artwork.

Against this background, customer safety and security are always a top priority, and this resulted in The House of Bruar asking Scottish Communications to provide a comprehensive upgrade of the existing CCTV system.

The installation comprised the very latest Sanyo HD cameras covering strategic internal retail areas, along with the road

approach and other external areas. The cameras are both fixed position and fully functional with infra red illumination in external areas to provide pictures in complete darkness.

The cameras were mounted with the aesthetics of the site very much a consideration, given the architectural significance of the retail area. Digital recording is achieved through latest generation Veracity digital storage (see feature page 4) and control software, enabling images to be viewed and recorded on site.

Robert Day, Retail Manager for The

House of Bruar, said the system was working well and there had already been two instances of the detection of shoplifting.

"We are extremely pleased at the quality of the images that the CCTV produces and this installation is proving an extremely worthwhile investment," he said.

Brian Davidson of Scottish Communications said: "The House of Bruar is a quality, leading independent Scottish retailer. They therefore required a quality design and high end-operational system to protect their customers, products and buildings. I believe our design team and engineers have given our customer what they desired with the facility to add further to the system in the future."

New CCTV for leading wine merchant

Forth Wines in Kinross is one of the country's leading wine merchants that offers an unparalleled range of wines from around the world.

Forth Wines offers its customers a range of wines that have limited distribution, with the vast majority of wines not available in supermarkets or off-licence chains.

Stock security is, therefore, an important consideration and this is why they decided to call upon Scottish Communications to upgrade their

existing antiquated CCTV system.

The system installed comprised two pan, tilt and zoom dome cameras complete with movement detection facility that is linked into a high quality image digital recording system. The cameras cover the principal entrances and the warehouse.

David Mitchell of Forth Wines said: "The difference between the old and new systems is like night and day. The images are much sharper and the whole system is very user friendly."

Ninewells upgrade continues

The latest phase of a rolling upgrade programme of the CCTV at Ninewells Hospital in Dundee has just been completed by Scottish Communications.

The CCTV system at the lab block is being upgraded to an Indigo Vision IP recording and management system. Also being installed are cameras complete with in-built infra red illuminators enabling monitoring to continue in complete darkness.

A key feature of the IndigoVision's IP-CCTV system means that there is no single point of failure as is the case with analogue and other IP systems. Therefore, any hardware failure will have a minimal impact on the overall system operation.



Quality video management

Scottish Communications is taking a lead role in supplying the latest recording systems. In this special feature, **Alastair Walker** of **Veracity UK** outlines the advantages of using digital recording systems that don't compromise on quality

As we have seen, HD cameras are now delivering exceptional quality images and it is no longer necessary to accept the limited image quality of analogue cameras. Let us now turn our attention to a solution to view and record these images without compromising the HD quality.

Ideally, any solution would improve on the viewing and recording capabilities of analogue cameras to handle the huge number of analogue cameras that are deployed. HD cameras can then be added or used to replace critical cameras in a hybrid infrastructure.

Cameras, video recorders and viewing stations are easily connected across an IP network. A consequence of this is that the CCTV system is now based on a Virtual Matrix. This allows any number of users with a network connection to view any camera from any location on a PC or a video wall. This matrix needs to have its own security to limit the viewing of images to users with appropriate permissions.

The Instek Digital MatriVideo Video Management System, which is provided by Scottish company Veracity, is one of the best CCTV Systems to exploit the HD image quality now available. The MatriVideo system delivers all the capabilities mentioned above and much more. This is an open platform, hybrid system that handles analogue cameras and all the leading brands of IP and Megapixel cameras. Any image can be viewed live, recorded, played back or archived all at the same time at the simple click of a mouse.

The image quality available from the HD camera is preserved through live viewing and recording and features such as digital zoom and simple searching of recordings means that capturing high quality clips of incidents is extremely straight forward.

The MatriVideo system is not restricted to town centres, hospitals, universities etc where monitoring public space is extremely important but also applies to situations where just a few cameras are required. There are many examples



across the UK and closer to home where the MatriVideo system has built a solid reputation. If you managed to go to the Open Golf in St. Andrews last year, you were almost certainly observed by a Sanyo HD camera recorded on a MatriVideo system.

The biggest challenge facing any CCTV system is that of storage. Storage is central to any CCTV system, however the hard disk is the most highly stressed component and is consequently the least reliable. The architecture of any storage system typically means that it is not easy to manage evidential information and the growing capacity of storage systems generates a huge amount of heat. It is not uncommon to find that disk drives get so hot that they have to be allowed to cool down before they are handled.

The multiple issues of storage in CCTV systems have now been fully addressed by Veracity with the introduction of the COLDSTORE surveillance storage system. COLDSTORE is a fully scalable hard disk storage array that can readily be connected to a CCTV system through a network connection. A single array can handle up to 30TB of storage yet only consumes 60Watts of power compared to more than 400Watts in existing systems.

COLDSTORE uses Veracity's Linear Array of Idle Disks™ architecture which also means that any recorded incident is located on a specific disk. This is ideal for evidential information handling, and also dramatically increases the reliability of individual hard disks by removing the problems of temperature, vibration and wear.

To round off the installation of an IP-based system, Veracity has also developed a portfolio of products that solve common IP camera installation issues. HIGHWIRE Ethernet-over-coax devices enable the existing analogue cabling infrastructure to be reused for IP camera deployments. Coax cables no longer have to be replaced and so high-resolution IP cameras can replace analogue cameras with minimum installation time and zero business disruption. On new installations using CAT5 cable, OUTREACH overcomes the 100m distance limitations of IP connections and power can readily be delivered to the camera over the same CAT5 data cable via Power over Ethernet.

Seeing is believing : HD cameras and easy-to-use Video Management go hand and hand. Scottish Communications is taking a lead role in deploying these new technologies.



CCTV halts break-ins

Linlithgow Golf Club in West Lothian offers one of the best courses in the country and has a thriving membership.

Recently, however, the club suffered a break-in at its Pro-shop with there being two other similar incidents at the clubhouse. In a bid to resolve these problems, the Club called-in Scottish Communications to install protective CCTV.

Scottish Communications designed a

system that involved fixed mini-dome cameras with built-in infra red illuminators for the Pro-shop, clubhouse perimeter and main entrances. There is a Samsung digital recording system that also has the facility to be viewed remotely.

Jonny McEwan of Linlithgow Golf Club said: "We have had no incidents since the installation and are pleased that this versatile and effective CCTV system is working so well."

Major CCTV upgrade for RBG



Scottish Communications has completed a major CCTV upgrade for leading oil and gas support company RBG Ltd at their headquarters in Dyce, Aberdeen.

RBG provides fabric maintenance, construction support and related services to the international oil, gas and petrochemical industries. The new IP CCTV upgrade covered the three main buildings on the RBG site at Dyce.

For the main three storey company headquarters at Norfolk Ashley House and the adjacent NDT building, the system was upgraded to a full Indigo Vision CCTV suite to provide coverage to external (pan, tilt, zoom cameras) and internal areas (static cameras).

Meanwhile, external PTZ cameras were installed at the Stores building so as to monitor stock and the movement of delivery vehicles.

The whole system is linked into the RBG network, enabling viewing by any authorised member of staff. The main control equipment, which is situated in the security office, also enables comprehensive

monitoring by security personnel of all strategic areas of the site outwith normal working hours.

It is envisaged that the next phase of the upgrade will be to expand the IP system and replace all current systems at the other RBG sites in all their UK locations, which will all be monitored from Aberdeen via the network.

Ryan Taylor – Group Travel & Facilities Manager of RBG said: "I am delighted we have selected to work with Scottish Communications on this project and look forward to upgrading our systems throughout the UK in 2011 with the aim of a further expansion globally."

Millar Kennedy, Business Development Manager for Scottish Communications, said: "After many months of designing and planning the CCTV system for the Aberdeen base with Ryan and his team it was good to see it recently being completed. Now within the next few months, the next phase will be to get some of the other RBG Ltd sites throughout the UK installed and networked back to the Aberdeen HQ."

United Auctions goes for HD CCTV system

United Auctions are Scotland's leading livestock auctioneers and procurement specialists and operate a network of different auction markets throughout Scotland.

For the last year, United Auctions has been operating its brand new livestock auction hall on the outskirts of Stirling to centralise operations and offer the best possible service.

One of the features of the new auction facility is a wash area for haulage vehicles. In a move to ensure the correct usage and management of the area, United Auctions decided a CCTV system providing good quality images would prove the ideal means for control.

Scottish Communications installed two Sanyo HD cameras to cover the wash area. Four mega-pixel cameras were also installed to monitor the stock pens inside the main covered auction hall. These versatile cameras have the ability to 'drill in' to provide a narrow focus image in perfect detail.

The cameras are linked back to an Instek digital recording facility housed in an IT room on the premises that features 21 days real-time recording.

Christopher Sharp of United Auctions said: "Our new facility at Stirling has been a major success for United Auctions and has greatly improved our operational efficiency and the service we provide to our customers.

"The high definition CCTV will play a significant role in ensuring the efficient management of the site."



New radio system for north of Scotland windfarm

Scottish Communications has supplied a comprehensive two-way radio system for a major windfarm site in the north of Scotland.

The system was supplied to RWE npower Renewables for its site at the Novar Estate in Ross-shire, north of Alness.

The system was supplied to cover its existing and newly extended site and comprised of latest digital technology Motorola DP-3600 hand held radios connected to a DR-3000 base station repeater. The base station was mounted in a protective cabinet on a concrete plinth on a nearby hilltop to provide good all-round coverage and which is powered by a wind/solar charging system.

As well as the radio communications system, Scottish Communications installed at the site's construction compound a GSM / 3G mobile booster so as to provide mobile phone communication and to also enable internet connection for laptops.

The extension at the Novar site comprises 16 turbines that will be larger and capable of generating substantially more electricity than the turbines on the existing sites. The turbines will produce enough green energy to meet the average demands of 15,500 homes.



New lone worker protection device

With the onset of yet another harsh Scottish winter thoughts drift to the men and women who will have to be out on the hill in all types of weather with bags of feed or perhaps trying to recover a hind carcass or two. This type of task although arduous at the best of times is magnified ten fold when you add deep snow and extremely low temperatures.

As legislation on lone working gets tighter and tighter, Scottish Communications is constantly being asked by estates to provide communication solutions in areas where mobile phones don't work and their radios are often out of range. One such solution is the personal location beacon (PLB) or personal satellite tracker. These handsets with the use of high orbiting satellites can be activated from any outdoor location to alert someone of the need

for assistance. Depending on the model available features include "Check-in Ok", "Help" and "Emergency". Tracking is also a feature where updates can be sent to monitor your progress. These devices are as small and light as a modern mobile phone so won't hamper movement or add weight to the game bag.



Following on from the success of the original SPOT personal satellite tracker the new model includes all the same functionality as before but now in a smaller, more feature rich design. Modern private mobile radio equipment are also being equipped with GPS and in-built lone worker features, so it may be that your current handsets have such

features you were not aware of. For more details please contact Donnie MacLeod at our Perth office, donnie@scottishcommunications.com

New role for Liam

Scottish Communications is delighted to announce that Liam Mowat has been promoted to the new position of Technical Director.

Formerly the engineering manager, Liam's knowledge and expertise has assisted in ensuring excellent business growth and customer service in

recent years.



Paul Gibson, managing director of Scottish Communications, said: "Liam has played a crucial role in the success of Scottish Communications and this promotion will ensure further development of the company."

COMPETITION

Win a SANYO HD camcorder



Veracity has kindly donated a Sanyo CG10 camera camcorder as the fantastic prize for our great competition. It could be yours if you can answer the following question, the answer to which is contained somewhere in the newsletter.

Question: How much power is consumed by a COLDSTORE storage array with 30TB of storage?

Send your entry to: sales@scottishcommunications.com

Entries must be received by 14 March 2011. First correct entry randomly drawn on that date wins. Usual terms and conditions apply. No correspondence will be entered into.

Congratulations to Richard Valentine who won the competition in the last newsletter.