

MAGNA NEWS

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This Issue

Singapore office celebrates 8 year anniversary

Australian Parliament chooses Magna and Cambotics

Channel 7 upgrades archive with Magna & Front Porch Digital

Magna supplies NZ Broadcast School



CEO News

Hello and welcome to the latest issue of Magna News.

Believe it or not another year has nearly gone by and the world of broadcasting keeps changing at a similarly rapid rate.

This year has been a busy one for Magna Systems with our attendance at NAB, Broadcast Asia, SMPTE and IBC in addition to the expansion of the systems integration side of our business, taking on new staff and the celebration of our Singapore office's 8-years in business.

We're very much looking forward to the challenges that the new year brings and on behalf of the entire Magna Systems and Engineering family I wish you all a pleasant festive season and a prosperous 2012.

Cheers
David Bowers




Magna Systems Singapore office celebrates 8-year anniversary

We are delighted to announce that Magna Systems and Engineering's Singapore office has celebrated its lucky 8 year anniversary.

The office started in 2003 with just two staff members now boasts a team of 8 fully trained broadcast professional sales, service and support staff who have been responsible for some of Singapore's biggest and most prestigious systems integration projects. The Singapore office team (pictured here at this year's Broadcast Asia) boasts a who's who of clients including Sony Pictures, Media Corp., ESPN STAR Sports, Ascent Media and many others.

Many congratulations to all of our hard working staff in Singapore and many thanks to all of our loyal clients in the region without whom none of our success would have been possible.



Singapore office team

SeaChange Introduces New Flash Memory-Based MediaServer 1200XD

SeaChange International have introduced their new, ultra-reliable SeaChange MediaServer 1200XD broadcast video server equipped with flash SSD drives.

The MediaServer 1200XD (MSV 1200XD) is the latest evolution of SeaChange's popular MSV1200 range of video servers. It features up to 26% lower power consumption and up to 30 times lower failure rate in a standalone unit. The MSV 1200XD offers flexibility in resolution and video formats, making it ideal for channel expansion and adding HD capabilities. Now equipped with flash SSD drives, the MSV1200XD eliminates moving parts, thus decreasing the power consumption and increasing on-air reliability. Flash memory lowers operational costs and supports a longer drive operating life compared to hard disk-based video servers.

At only 3RU, the MSV 1200XD holds up to 4.8TB of media data with RAID 6 dual-parity data protection. It facilitates high channel density ingest (up to four channels) and playout (up to eight channels) of SD, HD, and 3D content. It supports various video file formats including AVC-Intra, XDCAM HD422, DNxHD, MXF, and MOV wrappers.

"We are continuously enhancing the SeaChange MediaServer line. Now with the addition of SSDs, we anticipate that many broadcasters and service providers will adopt this power-efficient and reliable MSV 1200XD," said Stephane Jauroyou, SeaChange Vice President for Worldwide Broadcast Sales. "The MSV 1200XD is another SeaChange innovation to enable more broadcasters to move toward tapeless operations."

SeaChange International's Broadcast group develops and supports IP-based broadcast workflows for hundreds of broadcasters, content providers, and media companies globally with thousands of SD and HD channels on air today. Its extensive product line includes media servers, storage solutions, and applications for multi-screen publishing, monetisation, and delivery. For more information on any SeaChange product e-mail sales@magnasys.tv today.



MSV1200XD

Magna Systems supplies and installs camera robotics solution for Australian Parliament

Includes 42 Cambotics PTZ600 robotic heads and 13 User Interface Systems with customised software in the House of Representatives, Senate and Great Hall

Magna Systems and Engineering has supplied and installed the Australian Parliament's Department of Parliamentary Services with seven independent multi-camera robotic camera control systems (six fixed and one portable) consisting of 42 camera robotic heads to accommodate the Parliament's new Camera Robotic Control Solution and supporting production equipment.

Magna Systems and Engineering Product Manager David Clemesha said, "This is the largest and most prestigious camera robotic installation of its kind across the Asia Pacific region and we are honoured and delighted to be the supplier of choice."

The Department of Parliamentary Services (DPS) is the service

department for Australia's national Parliament, providing services and facilities that enable Senators and Members of the House of Representatives to work and communicate with each other, with their constituents and with the community. DPS facilitates the Australian Parliament to the Australian community and to the world.

The initial tender was one of the most comprehensive Magna Systems had seen according to Clemesha who said, "It required a major solution to be designed and installed in the House of Representatives, Senate, Committee Rooms and the Great Hall. There were many logistical and technical issues to overcome so a great deal of work went into our response."



Magna Systems' installation of the new Camera Robotic Control Solution at Australia's Parliament House.

The Camera Robotics Solution designed with Cambotics and supplied by Magna Systems provides advanced robotic camera management to single and multiple operators tasked with the complete vision direction, production and technical direction process for an event within each of the Parliament chambers. It also supports the control of any group of up to eight robotic camera heads and integrates and controls new Sony HD cameras and Fujinon lenses via new Sony CNU's."

Clemesha continued, "The initial tender was very clear, we had to provide an intuitive, ergonomic user friendly multi-Camera Robotic Control

System for the remote operation, management and monitoring of Robotic Camera Heads in the chambers, committee rooms and special event locations within Australian Parliament House. Thus the Camera Robotic Control Solution we have supplied and installed also provides operators with a real time, efficient user-friendly interface for the operation of a defined group of cameras from within each Production Control Room (PCR)."

The Magna System solution is based around Cambotics robotics heads and control system, a company devoted exclusively to manufacturing automated heads and pedestals

for television broadcast stations. The products within the solution represent the synthesis of the proven technologies of the past, together with contemporary mechanisms and architectures. The result is efficient automation, delivering the most-asked-for features with better production control.

Clemesha added, "Our solution includes the Cambotics Series 600 robotic heads and the custom writing of software to interface to microphone triggers, Video Character Generators and Camera Control Units (CCU). The software works on triggers so when a Member of Parliament speaks, the mic sends a cue to the robotic system which, in turn, identifies the member's position and instructs the robotic heads to pan, tilt and zoom towards the speaker. The graphic system is also triggered pushing the relevant graphics to air. It really is a very efficient system."

The Cambotics 600PTZ robotic head is available as a stand-alone product for post, tripod mounting, or with an elevation column. Its 57kg capacity easily carries today's typical studio configurations with teleprompters and preview monitors. The elevation column adds extremely smooth on-air quality vertical moves to the production. The Cambotics 600PTZ robotic head has a top pan/tilt speed of 90 degrees per second and a top elevation speed of 12.7 cm per second.



Magna Systems' installation of the new Camera Robotic Control Solution at Australia's Parliament House.

At Australian Parliament House (APH) there are operators in any PCR who use a joystick and touch screen User Interface to trim any required shot.

Clemesha explained, "We have customised the joystick to include CCU functions and also customised the heads to meet all APH OH&S requirements. The Cambotics User Interface is a networked Windows PC based system used to control Cambotics robotics devices and has a redundancy feature which allows for a fully redundant system configuration just by adding a second control point. The UI makes setting up a shot as easy as selecting a camera, framing a shot using the joysticks and a focus knob then storing it by touching the screen. The control system also uses a trapezoid to plot any move and by

having a significant number of points to plot, it makes the system one of the smoothest available on the market today."

As part of Magna Systems winning the initial tender, Cambotics Product Specialist Miles Spellman was flown over from their California HQ to help demonstrate the robotic heads, control systems and joysticks to key APH and DPS staff. Clemesha said, "Again the tender was very specific on service and support levels. Critically we have ensured that the relevant Magna Systems personnel based in Sydney are fully trained and proficient in the installation, operation and repair of the Cambotics products."

Clemesha said, "APH and DPS tenders are often the most comprehensive we

come across. Our product solution was very detailed and our proof of concept involved 4 robotic heads, software and a mocked up desk all of which had to be fully functional for 10 days to satisfy all operational requirements."

Magna Systems also refitted existing PCRs with new desks which involved the removal and reinstallation of current equipment. This, alongside the full Camera Robotic Control Solution, had to be done during very precise timeframes working within the 2010 and early 2011 parliamentary sitting dates.

Clemesha concluded, "In total there are six PCRs aligned with the House of Representatives, Senate and Committee Rooms. Parliament's schedule means we installed the larger systems last to avoid any disruption. This was a very big job which required us to draw on experiences from our previous successful installations at Australian Parliament House at each stage. I would particularly like to thank all at APH and DPS for their help and support and I would also like to pay a special mention to our Installation Manager Kurt Hauselberger and the entire Magna Systems and Engineering team, all of whom worked so diligently on this project."

Magna Systems' installation of the new Camera Robotic Control Solution is live and operational at Australia's Parliament House.

Magna Systems upgrades Channel 7 archive

Magna Systems and Engineering has significantly upgraded the Channel 7 broadcast library and archive at their Melbourne Docklands Broadcast Centre site.

Magna Systems Technical Sales Engineer Dave Alderton explained, "Channel 7 approached Magna Systems with a requirement to increase the capacity and efficiency of their archive in conjunction with some other upgrades that were taking place within their broadcasting and operations departments. Part of our brief was to ensure the archive worked with their playout automation system and other third party equipment."

Magna's approach was to look at the latest version of Front Porch Digital's highly acclaimed DIVArchive to manage Channel 7's assets reliably and efficiently, while distributing content throughout the organisation's key systems and platforms.

Front Porch Digital's DIVArchive is widely used for content storage management in broadcast, production, education, government, and historical archiving and has built a global reputation on integration with common platforms, reliability and scalability. DIVArchive is

particularly suitable for broadcast and large scale operations as it employs a uniquely scalable architecture and the option to operate over multiple sites.

Alderton continued, "We had several meetings with the Channel 7 team of John Albiston and Richie Glynn to ensure we could meet all of their requirements within their set timeframe. We then detailed our proposal for upgrading the DIVArchive to version 6.1 which now utilises Front Porch Digital's DIVActor Grid. This clever piece of technology includes the actors having built-in storage. Where previously actors only cached certain levels of information primarily moving files in and out of a robot, now the system not only carries out that primary function but also provides an extra 2Tb of storage directly out of the DIVArchive itself by using the DIVActor Grid and a RAID arrangement across local drives.

Seven Network Technical Services Manager Melbourne Broadcast Centre, John Albiston said, "We are very happy with Magna Systems' approach and solution to our archive and upgrade requirements. This is a good example of high availability online storage that gives us all the extra capacity and efficiencies we were looking for. A job well done."

Magna Systems supplies comms, glue and routing to New Zealand Broadcasting School

Telex comms and Miranda glue and routing

After suffering significant damage in the horrific earthquakes of September 2010 and February 2011 the New Zealand Broadcasting School (NZBS) asked Magna Systems and Engineering to help them undertake a major rebuild of their broadcast facility using modern state of the art equipment.

Magna Systems and Engineering NZ Sales Manager Keith Brewer explained, "The New Zealand Broadcasting School (NZBS) is the premier national provider of advanced applied training in television, film, digital media and radio performance and production in New Zealand offering courses in Broadcasting Communications and Digital Video Post Production. After the earthquake damage the school's Lloyd Walker and Michael Tompkins were tasked with the design, equipment specification and installation of a new, well-equipped facility that could also be rented out, when not in use by the NZBS, to create an additional income stream."

The system proposed by Magna was centred around Telex intercoms and Miranda glue and routing.

Brewer continued, "Michael Tompkins was familiar with Telex intercom systems and Miranda glue and routing equipment and was impressed with the robustness and reliability of these products. Michael approached us with a view to exploring the possibility of re-equipping the NZBS' new facility with the latest generation kit from telex and Miranda and we began an assessment and evaluation process."

After consulting with Brewer and the Magna NZ team the NZBS purchased



New Zealand Broadcasting School



Keith Brewer

a Telex intercom system based on the new Zeus 3 LE+ Digital Intercom Matrix and key panels, Miranda glue products from the Densité modular range to cover their distribution and conversion requirements and an NVision NV5128 multi-format router.

Brewer said, "The Telex intercom system gives the NZBS a fully featured 16x16 broadcast digital matrix - a size that suits their requirements. They also purchased key panels and a UHF wireless base station with three transceivers. The Miranda Densite glue products are particularly efficient and the NVision NV5128 multi-format Router is configured for HD-SDI 32x32, AES audio 16x16 and analogue audio 32x32. Both Lloyd and Michael had seen the NVision routers in SKY NZ's and OSB's OB trucks. It's a mid-sized, 8RU, multi-format router that is incredibly versatile, allowing for mixed video and audio formats, rectangular or square matrices and small impact

blocks, starting at 16x16, all within the one frame. This is important for the NZBS facility as they run both analogue and digital formats. NVision call this the Swiss army knife of routers and it is ideal for the NZBS' facility."

With a smooth installation process all the kit supplied by Magna is now in operation at the NZBS and according to Brewer being used to its maximum capacity. He added, "Since the installation the NZBS have purchased an additional five Java GUI (Glass Control Panels) and they are very impressed with the reliability and versatility of all the equipment we supplied and installed. We also got very positive feedback about our pre-sale consultation process which fully addressed their requirements and needs from an engineering point of view in order to give them the best possible solution. We also provided comprehensive service and support during and after the installation which, in a facility as busy as the NZBS, proved very valuable to them."

The New Zealand Broadcasting School (NZBS) is part of the Christchurch Polytechnic Institute of Technology (TE MĀTĀPUNA O TE MĀTAURAKA). For more information on the school go to:

http://www.cpit.ac.nz/schools/new_zealand_broadcasting_school

Magna Systems and Engineering provides Optus with Seachange metadata management systems

For VAST™ satellite network

Magna Systems and Engineering have provided SeaChange (formerly eventIS) metadata management systems – consisting of the STAGIS/CASIS product suite and SPECTRIS monitoring - to Optus Telecommunications for the Viewer Access Satellite Television (VAST™) satellite network which carries over a hundred free-to-air digital television services across Australia, from metro to outback, improving the television experience for every Australian.

The STAGIS product extracts and aggregates into a central database schedule data (EIT) and service descriptions (SDT) from the incoming streams provided by the broadcasters involved, Optus customers. The extracted data is then re-used and re-organised by the CASIS product to generate the DVB-SI tables and descriptors for the VAST platform. These tables and descriptors allow the VAST receivers to find their programmes, display service information like channel names and numbers, local time, and most of all, to populate the



StagIS screen shot

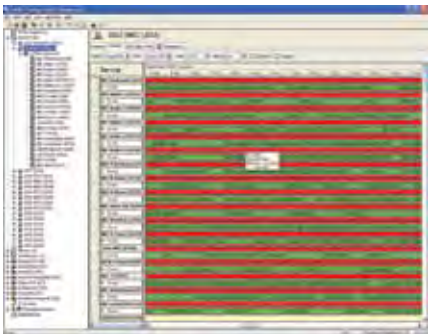
Electronic Programme Guide with the programme information including start times, genres and parental rating. The system is prepared for PVR-specific signalling, like series linking and repeats.

To make the most of the available bandwidth, the system provides the means to tweak the play out of schedule data in such a way that an optimum is reached between bit rate used and available information. That way a full 8-day EPG for all transponders can be offered on a homing transponder versus a limited, sliding 24 hour EPG window on all other transponders.

The VAST platform is transmitted all over Australia and special signalling is required to make sure the right content is available in each region. Again the CASIS product takes care of this together with the Conditional Access (CA) system, by means of bouquets, availability descriptors and special descriptors specific to the CA system.

The CASIS system provides all this functionality through its user-friendly interface. For example, special overviews are provided to keep track of service IDs and logical channel numbers per region, or to control table version numbers.

SPECTRIS offers monitoring of the SeaChange system as well as third party systems. It offers several different views, starting from a geographical overview, drilling right down to individual system events. SPECTRIS, in addition, provides a web-based view on the schedule held in the STAGIS database, allowing instant access to this data from anywhere where there is a browser available.



CasIS screen shot

Starcomm uses FOR-A HVS-350 HD switcher from Magna Systems for live streaming of surfing competitions in Bali and Tahiti

Powerful, compact, broadcast level switcher used in Bali and Tahiti OBs

Recently OB specialist StarComm used the innovative FOR-A HVS-350 portable video switcher from Magna Systems and Engineering to live stream and broadcast two unique surfing events in Bali and Tahiti in high definition.

The HVS-350 is part of FOR-A's popular Hanabi series and represents one of the most powerful, compact, broadcast level switchers on the market. Although compact, the HVS-350 is packed with features including frame synchronising and a re-sizing engine on every channel which allows any standard definition equipment to be used in full HD mode.

StarComm owner Joel Medeiros said, "For the recent 2011 Oakley World Pro Junior tour event in Bali we needed reliable and robust equipment as we were live streaming and broadcasting over 50 hours of HD programming and

with surfing, you don't get a second take. We were delighted with the way our FOR-A HVS-350 performed during the event. We chose the HVS-350 because it is perfectly suited for these types of sporting events where we use our small, portable flyaway pack but where quality cannot be compromised. The HVS-350 also punches well above its weight with very useful features that include up to 12 inputs and 8 outputs, DSK, dual picture-in-picture, 16-channel multi-viewer and a wide array of other functions in a compact size at a competitive price. It's also straightforward to use and very easy to configure."

For the 2011 Oakley World Pro Junior tournament Medeiros and his crew live streamed the event to the web and in the recent equivalent Tahiti event they also broadcast live to FreeTV Australia, ESPN USA and ESPN Brazil.



Joel Medeiros

Medeiros concluded, "For both Bali and Tahiti events we customised the HVS-350 into a flyaway system which was then integrated into a shipping container. For the Bali live stream the container had to sit in a rice paddy field. As I said, space is at a premium when shooting these types of events and we often find ourselves in the middle of nowhere. I'm delighted to say the HVS-350 performed very well indeed without any issues. I must also thank David Clemesha from Magna Systems for his help as he always goes the extra step in order to make sure we have the right product and are happy with it."

For more on the 2011 Oakley World Pro Junior event in Bali go to:

www.facebook.com/video/video.php?v=10150310845959599

Network Ten upgrades Sydney HD news studio with Miranda densité media servers from Magna Systems and Engineering

Multiple HMP-1801 single card, solid-state media servers

Magna Systems and Engineering has upgraded Network TEN's new Sydney HD news studio with multiple Miranda HMP-1801 single card, solid-state media servers.

Network TEN Engineer Leo Blanda explained, "We needed a device that could store and recall multiple animating seamless loops to integrate into the rebuild of our HD news studio. After consulting with David Clemesha and the team at Magna Systems we purchased four Densité HMP-1801 single card, solid-state media servers, two for our studio rebuild and two more to supplement production from our existing HD studio."

The Densité HMP-1801 is a single card, solid-state media server,

which can capture and playback HD and SD video sequences. The HMP-1801 is ideal for playback of clips that are used repeatedly, such as full screen promos and animated apology sequences. The HMP-1801 is also ideal for filling side panels, introduced by up/down conversion, with animated graphics to improve the on-air presentation and stereoscopic playback.

Network TEN Technical Director Ben Thomas added, "Our initial requirement of having looping background material was the justification for the Densité HMP-1801 as having a key channel was not necessary. We particularly like its capability for the seamless looping of clips and the instant recall via VDCP protocol with our

Sony 8000G vision mixer."

At Network TEN the Densité HMP-1801 is used for the playback of multiple animating loops that feed the plasma screen behind Sydney TEN's news broadcasts and in studio-based multi-cam live to air broadcasts."

Thomas concluded, "Once clips are correctly trimmed the playback from the unit has so far been faultless. The features of the Densité HMP-1801 are perfect for our needs - instant clip recall, large capacity (25 minutes @ 108050i), embedded audio and so far the unit has been very stable. Magna Systems were very helpful throughout the entire assessment process and were even able to provide us with a test unit that allowed us to evaluate the kit with our operations staff months prior to our build."

Miranda



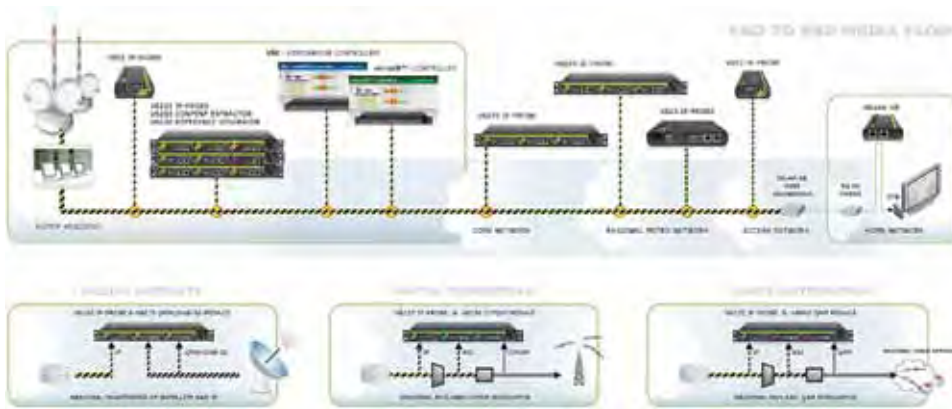
Miranda Densité HMP-1801 single card, solid-state media server

Bridge Tech provides solutions for monitoring the service quality in Digital TV networks

BRIDGE  TECHNOLOGIES™

Traditional television technology has had over half a century to mature and stabilise. In fact the techniques deployed over 50 years ago such as the transmission system (PAL/NTSC/SECAM) and the broadcast techniques including analogue terrestrial transmission are still in use. Today technology is rapidly moving to digital techniques, allowing data compression and the consequent economy of precious bandwidth. This transition has to be closely monitored to be able to give viewers the same Quality of Experience as older technologies, free from artifacts such as digital macroblocking, and loss of service.

TV viewers and advertisers have come to expect near-perfect quality in terms of availability. A 10-second drop-out during prime time is considered a major failure. When



End-to-end media flow

introducing new television distribution technologies such as digital terrestrial television (DTT), Digital Cable (QAM) or Television over xDSL/fibre, the viewer will compare the new service to the old and automatically expect the new service to match or exceed the old in terms of picture quality and availability. Even small changes in service behavior will feel disruptive in the eyes of the customer and contribute to potential churn.

If this is not the case - either due to technical difficulties or human error - the new service will quickly be perceived as being problematic and unreliable. Restoring the reputation of the service is both a time consuming and costly process. The only way to avoid this negative spiral is to actively manage the service quality in the network. This implies a need for continuous monitoring so that

potential problems can be detected and corrected as fast as possible.

Recognising the requirement for efficient and continuous monitoring of TV multicasts Bridge Technologies Bridge was founded in Norway by a group of engineers from the Broadcast, Telecommunications and Media industries to tackle this task.

Full monitoring can be achieved cost-effectively in triple-play networks by deploying their VB220 and VB120 PROBEs. These can be equipped with a range of input options for Digital Satellite, Digital Terrestrial, and Digital Cable platforms.

For more information on full service monitoring please refer to our website or scan the QR code with your smartphone.



NetMod DTTV is ENENSYS' standalone multi-standard modulator to broadcast digital TV services over DVB-T, DVB-H or DVB-T2 networks

NetMod-DTTV broadcast modulator has been designed to provide a cost effective and high quality solution for broadcast network operators, system integrators and transmitter manufacturers aiming to deploy digital TV services over DVB-T, DVB-H or DVB-T2 networks in MFN or SFN environments.

The NetMod-DTTV offers high grade broadcast IF and RF output level (over 42 dB in the whole band). It includes linear and non-linear Digital Pre-Correction (DPC) to optimize the transmission efficiency. It operates in MFN and SFN environments. A built-in GPS receiver can be included to ease broadcast operation.

The NetMod-DTTV is fully DVB-T2 standard compliant. It supports the broadcasting in single PLP and multiple PLP. It provides T2-Modulator Interface (T2-MI) over ASI and IP to receive configuration and synchronisation information from the DVB-T2 Gateway. It also supports

MISO transmission to improve SFN broadcasting.

Benefits

- High grade output quality
- FPGA based for robustness and reliability
- First DVB-T2 modulator commercially rolled-out
- Versatile product: starts in DVB-T, broadcast over DVB-T2 later
- Straight integration into DTTV transmitters: leverage DVB-T transmitters to support complete DVB-T2 broadcasting
- Easy to use web based GUI
- Fast and simple integration in NMS



NetMod DTTV

Miranda NVISION routers

NVISION routers have a proven track record at major production facilities and broadcasters around the world, with a reputation for absolute dependability. They also offer ultra-streamlined signal management with integrated audio processing, as well as control systems that simplify operations and provide rich integration with other facility systems.

Saving rack space, weight and power

NVISION routers offer excellent space and power efficiency, and especially the NVISION 8500 Hybrid routers with integrated embedded audio processing. By integrating 16 channel audio de-embedding, shuffling, re-embedding and breakaway within a router frame, a facility's signal management can be radically more space and power efficient. Indeed, a single router can now replace multiple racks of earlier generation routing and audio processing devices.

Minimizing costs with Dynamic Hybrid Pathfinding

By combining routing and audio processing functions within a single router frame, there are also considerable savings in capital costs. These savings are maximized by the use of Dynamic Hybrid Pathfinding, which allows a

router to perform audio processing across all video inputs, with just a small portion of its matrix equipped with input, crosspoint and output cards capable of audio processing. The Dynamic Hybrid Pathfinding process automatically routes signals via the audio processing modules whenever required, either by manual or automated control.

Reducing the complexity of infrastructures

By integrating routing and audio processing functions, NVISION routers can simplify signal management with a unified control system and fewer control panels. This promotes more effective workflows, and reduces the potential for operator errors.

NVISION router infrastructures are also simplified with elegant cable management, using high density cable connectors and audio concentrators to minimize cabling and associated labor.

Ultimate resilience

Exceptional robustness is at the heart of all NVISION routers. For the most mission critical applications, the NVISION Enterprise Class routers offer the ultimate level of resilience with full power supply,

controller, and crosspoint redundancy. Additionally, all the frame modules are hot-swappable and feature small failure blocks, creating 'bullet-proof' reliability and serviceability.

Outstanding signal quality and fiber integration

NVISION routers feature unique, clean designs for unparalleled signal integrity. This provides lower return losses, and allows the use of longer coaxial cables than the industry norm. For long distance runs, the NVISION range offers direct fiber connectivity, using either SFP modules for 1310 nm or CWDM wavelengths.

Unprecedented, facility wide integration

NVISION routing systems provide exceptional integration across a facility, including with multi-viewers, signal processors, master control switchers and production switchers. This streamlines facility hardware and lowers costs, and can also deliver enhanced operator productivity from improved control systems.

Easier transition to 3Gbps from legacy routing

NVISION router control systems offer highly effective bridging with legacy third party routers

and their control systems for an easier transition to 3Gbps/HD. A phased move to 3Gbps/HD can be made, with minimal disruption and cost, by first controlling a NVISION 3Gbps/HD router with an existing third party controller. Subsequently, the facility can move to a more advanced NVISION control system.

BridgeTech and Enensys Monitoring and Modulation Seminar 2012

In the early part of 2012 Magna Systems and Engineering will be running a series of broadcast monitoring and T2 modulation seminars in Sydney. The seminars will be run in conjunction with Bridge Technologies and Enensys (more on those companies in this issue) and will be held at Magna's purpose built training room in Chatswood.

To register your interest and to reserve a place (note, seats are strictly limited) please scan the QR code with your smartphone or go to:

<http://www.magnasys.tv/index.php/t2-seminar/>



Magna Moments...



Magna Systems' IBC 2011 dinner



Magna Systems' IBC 2011 dinner



Magna Systems' IBC 2011 dinner



Magna Systems' IBC 2011 dinner



Magna Systems' IBC 2011 dinner



Magna Systems' IBC 2011 dinner



Magna Systems' IBC 2011 dinner



Magna Systems' IBC 2011 dinner



Magna Systems' IBC 2011 dinner



Magna Systems' IBC 2011 dinner



Magna Systems' IBC 2011 dinner



Integrate 2011

Audio News

General Pants Company Employs DAS ARCO-4/24 Loudspeakers

Ideally suited for this boutique type application the DAS ARCO-4/24 compact loudspeaker was the perfect choice when it came to selecting the right sound system for the General Pants Company, Paddington, Bondi Junction and Burwood stores.

Sydney based Installation Company R 'n' B Sound & Vision were extremely pleased with the overall performance of the ARCO-4/24 loudspeakers.

Competitively priced, these beautifully designed loudspeakers incorporate a 4" polypropylene weather resistant woofer and a 19mm neodymium dome tweeter, a single 4" with the ARCO-4 and a 2 X 4" with the ARCO-24.



General Pants Store Paddington



ARCO-4/24

Rated at 50 watts RMS and 100 watts RMS the unit comes supplied with mounting brackets and an option for 4 x M6 rigging points and the sound quality is what you have come to expect from a DAS loudspeaker.

Also available is the matching ARCO-12 Sub. This 170 watt Sub unit incorporates a 12" double coil loudspeaker and is constructed of MDF with a black finish.

For shop, conference room, sports club, hotel or just anywhere you require a compact well designed loudspeaker with exceptional sound quality, the DAS ARCO Series loudspeaker is the right product choice.

The DAS Convert-12A/15A

New from DAS is the Convert Series the

Convert 12A and the Convert 15A. The Convert 12A is a powered two-way curved source array unit ideal for use in small to medium live events, as well as in a permanent installation.

Representing the latest in Class D power amplification, digital signal processing and optimised DAS components have been combined for rapid deployment, precise coverage and high acoustic output.

The Compact 12A features a DAS 12v4 loudspeaker, employing a 75mm (3") voice coil.

High frequencies count on the exceptional performance of the M-60N neodymium compression driver.

Two drivers are attached to the SERPIS BC-915 waveguide which allows them to work together acoustically providing a coherent wavefront. The Convert 12A 's two-channel amplifier employs a Class D design and includes a switch mode power supply (SMPS). Offering 720 watts of



Convert-12A

power, extended bandwidth, improved dynamic range and exceptionally low distortion, the high efficiency of the amplifier ensures cool operation so no fans are needed. Signal processing is accomplished by way of a powerful 24 bit DSP providing unparalleled control over critical signal parameters.

The rigging system can be used to form vertical curved source arrays of up to 6 units. The Convert 12A includes a pole mount socket with variable inclination for use as a satellite unit in conjunction with subwoofers.

