

MAYAH partner and project news – connecting a growing business with innovative and visionary customers



Australian audio network with DMG Radio applying IP and ISDN

In recent months DMG Radio in Australia have been busy building new digital radio studios in Sydney, Brisbane and Melbourne. Connected by a fibre link stretching over three states and 2,000 km, it supplies the studios with network-program and commercial content. When building the network backbone, DMG chose the MAYAH 3001 CENTAURI® Audio Gateways supplied by Comsys. Adrian Harper, Engineering Manager at DMG, found the 3001 CENTAURI® to be the ideal solution for their network requirements. "With the delivery of content over IP the MAYAH 3001 CENTAURI® Audio Gateways are the ideal choice for broadcasters, providing a range of interfaces for all applications". DMG choose the 4 BRI, 8 x 64 kBit/s in order to support higher bit rates via ISDN as well as point-to-multipoint. The project is the result of an excellent partnership between Comsys, DMG Radio and MAYAH.

Alfacam use ISDN CENTAURI®s during the recent RED BULL X-Fighters 3D Event

Alfacam, a well known event transmission company, used six MAYAH CENTAURI® 3001 Codecs at the RED BULL X-Fighters 3D Event to broadcast the audio from their OB Vans to the broadcasting station. The energy drink company organises many extreme sports events throughout the year, which are all broadcast live on television. Alfacam chose CENTAURI® for its proven reliability – critical for live events.



XM Radio with Live Broadcast for Live8

XM Radio, the largest satellite radio service in the USA, used 8 CENTAURI® 3001s at the Live8 event to send the London and Philadelphia concerts to its Washington HQ. The concerts were broadcast by 182 television and more than 2,000 radio networks. Using AAC HE, their



customers received the signal in CD like quality, using only a 128 kbit isdn connection. AAC HE (also AAC + SBR or aacPlus) is the class leading audio encoding standard of MPEG 4 and supports extremely low bit rates while maintaining the high quality needed for broadcasting applications. AAC HE has been developed by Coding Technologies, Sweden/Germany, a spin off of Fraunhofer IIS, Erlangen.

XM Radio is already using MAYAH CENTAURI®s for audio transmission from their affiliates to Washington D.C. using AAC 320 kbps and 256 kbps via IP@T1 with backup via ISDN at up to 256 kbps in order to obtain the maximum in audio quality.



RFE Radio Free Europe expands their CENTAURI® IP network

RFE recently ordered 15 CENTAURI® II 3001s, to expand their existing audio IP network. The 3001s will be used at locations in Munich, Germany and Prague, Czech Republic.



Broadcom delivers 400 ganymed 1002 for bank project

Broadcom, UK distributor for all MAYAH audio and audio/video products, recently delivered more than 400 ganymed 1002's and several StreamingServer 4001s for a Point-of-Sales project in the banking sector.

This represents an excellent opportunity for MAYAH to expand its business in the PoS business area.



DVB-H Demonstration at IFA in Berlin

MAYAH CENTAURI® Audio Encoders and Streamers were used by T-Systems at the IFA for Stereo and Multichannel Encoding and Streaming within the DVB-H Multiplex. DVB-H is based on DVB-T and is backwards compatible. It provides many additional features to support Handheld portable and mobile reception. This is a highly attractive and rapidly expanding business segment for both content providers and end users.



ORF – Austrian Broadcasting use MAYAH's 5.1 multichannel codec CENTAURI® II 3301 to transmit Carmen from Graz to Vienna

The new CENTAURI® II Audio Codecs offer realtime multichannel audio en-/decoding, streaming and transmission in a wide range of audio formats. ORF connected 6 discrete audio channels from the digital mixing console in Graz directly to the MAYAH multichannel equipment via AES/EBU. For the high quality required, Enhanced apt-X was used with a total bit rate of 1152 kbps net. The IP-signal was connected to ORF's ATM network and decoded at its Vienna Broadcasting Center with another CENTAURI® II 3301. The multichannel audio signal was converted to Dolby (5.1) and then encoded in AC-3 for the multiplexer and the satellite uplink.

Austrian Broadcasting is already using more than 250 CENTAURI®s for distribution and contribution within their double ring ATM network using formats such as linear, Layer 2 and AAC.

INTERNATIONAL DATACASTING Corporation delivers MAYAH CENTAURI®s to NPR National Public Broadcasting

National Public Radio, one of the most prestigious broadcast networks in the USA, are using MAYAH CENTAURI®s in their new streaming audio network to encode real time audio content for its Public Radio Satellite System. So far a total of 60 units have been delivered.



The Bavarian Broadcasting Company uses

MAYAH products to transmit the opening of the Allianz Soccer Arena
Bayerischer Rundfunk uses CENTAURI® 3001 Audio Codecs in the newly opened Allianz Arena Football Stadium in Munich for the ISDN transmissions between the



stadium and BRs headquarter in downtown Munich. One of CENTAURI®s advanced features is transmitting 20 kHz stereo bandwidth with AAC HE (aacPlus) via only one ISDN 64 kbps B-channel. CENTAURI® II 3001 can also be easily updated with multichannel capabilities in order to meet future requirements to transmit 5.1 audio from the arena to the broadcasting center.

BR is already using MAYAH products in a variety of applications in Radio as well as TV, for distribution and reporting.

WDR with MAYAH's innovative UMTS solution

During the Popes visit to the 20th World Youth Day 2005 in Cologne, MAYAH was happy to assist our Partner Westdeutscher Rundfunk (WDR) with a state-of-the-art communication solution – UMTS. While sailing on the Rhine and preaching from the bow of a cruise ship, the Popes words were broadcast to WDR HQ in Cologne via a MAYAH CENTAURI® and UMTS. While strong winds along the Rhine were making life difficult for the GSM broadcasts of its competitors, WDR and its UMTS broadcast were completely untroubled by the conditions. The configuration is plug-and-play simple; just connect MAYAH's UMTS Box SEDNA to a MERK II or CENTAURI® II and it is able to broadcast immediately to a VPN server connected to another CENTAURI® II. High quality AAC HE (aacPlus) with 48 kbps stereo can be transmitted bi-directional.



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Denmark Radio

installs 22 MAYAH CENTAURI® 3001 in its new Master Control Room

The 22 units are used as ISDN codecs for audio contribution for both radio and television. The delivery, installation and system integration was implemented by Danish company, Danmon System Group A/S and sold through MAYAH's Danish distributor Kinovox A/S.

Kinovox have already sold and installed MAYAH video and audio codecs to the Faeroe Islands, Greenland Radio station and, through other installers, video codecs for use in live applications.

The feedback from the market has been very positive with Kinovox receiving highly favourable responses from clients.



BIRTV Exhibition in Beijing

Skydragon, MAYAH's business partner in China with David Lawrence presenting IO and CENTAURI® to Chinese customers



At AES in Barcelona MAYAH successfully presented its CENTAURI® II 2nd generation audio gateway codec.

At the well attended press conference many new pro-



ducts were introduced. The MAYAH stand was also one of the most visited and customer response and the resulting business was also excellent. In particular MAYAH's new CENTAURI® II was considered to be amongst the top products at the show.



Plug and play installation for UMTS transmission



Danmon Svenska AB chosen as new Swedish distributor

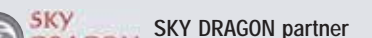
Since July, Danmon Svenska AB is the new distributor for MAYAH in Sweden. Danmon Svenska AB already represents some of the world's most distinguished broadcasting equipment manufacturers and perfectly matches MAYAH's distribution partner requirements.

Danmon Svenska AB is located at Täby, near Stockholm. Please contact christer.jansson@danmon.se, mobile +46 70 237 9535.



Lamar is MAYAH's new US distributor

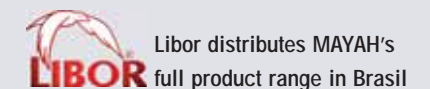
Lamar is a design and integration company specializing in products that simplify the process of delivering high-quality audio and video over many different wireless and wired networks. US clients are asked to contact Chad Boss, general manager of Lamar at 918 694 8572, info@lamarsystems.com



SKY DRAGON partner MAYAH in China

David Lawrence heads up Sky Dragons Broadcast Transmission Division and when it comes to experience, he is clearly in a special position; since moving to Hong Kong 1997 David has been involved in many broadcast and telecom installations. The partners first joint presentation was at BIRTV in July in Beijing.

Contact via: david@skydragon.hk



Libor distributes MAYAH's full product range in Brasil

Libor specialises in Broadcast and Pro Audio. Located in Sao Paulo, the company supplies products and solutions to the radio and TV markets. MAYAH is pleased to have signed such a competent partner. Contact Henry Spong at Libor at: (11) 3104 8339, libor@libor.com.br, www.libor.com.br



DAXCO DIGITAL is distributor in Singapore

DAXCO DIGITAL provides consultation, equipment supply, design and system integration in the fields of Pro-Audio, Sound Reinforcement, Broadcast, Film and Streaming Media. MAYAH has recently started a co-operation to supply audio codec products and Flashman with Daxco, which can be reached by phone at: +65-6742 2219, sales@daxcodigital.com