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Marine Services

STENTOFON February 11 Newsletter

Has it really been 10 months?

Our first newsletter for 2011

As a continuing sign of STENTOFON Australia's workload, we are pleased to present our first newsletter for 2011, and our first since April 2010. We have delivered many projects in 2010/11, including the first deliveries of the AlphaCom XE, into many different areas. Be it a PA system for a Brisbane Private School, an upgrade to a major Sydney Road Tunnel or an Industrial Intercom and Paging system for a major Australian Mining company, STENTOFON have the solutions for your custom requirements.

BHP Nickel West Kambalda

STENTOFON partners with Minelect to deliver Wireless IP Industrial Intercom and PA

When STENTOFON were approached by Minelect for a Wireless IP solution for the Kambalda Nickel Concentrator, a BHP site north of Kalgoorlie, we were more then happy to demonstrate the power of the AlphaCom. Now delivered and installed, the system comprises of an AlphaCom E7, with 7 Heavy Industrial Wireless IP Intercom stations mounted in Stainless Steel enclosures, along with all power supplies, amplifiers and antennae to provide a robust remote Intercom and Paging solution with up to 4 15W horn speakers for audio distribution. Internal spaces are served by IP Desk Master Stations and IP Flush Master Stations, along with their respective amplifier and power supply cabinets mounted remotely. The result is a highly flexible PA system that can be accessed from 13 locations, with local station grouping for production messages and site wide paging for broadcasting, along with the ability to place point to point calls, page and locate staff, make emergency calls to the gatehouse and be involved in full duplex conferencing.

MINELECT Electrical & Communications

As the Kambalda site was a brown field installation, the project was to make full use of the existing fibre network to all control rooms, and in the case of the remote sites, use point to point wireless links via our Australian Made Wireless Expansion board. A site wireless analysis was undertaken by Minelect to determine the correct placement of access points and signal strength readings determined the correct antenna to deploy. The result is a solution that negated the requirement to dig in additional cabling. For more detail about Minelect's involvement with STENTOFON and the Kambalda site, please contact Michael O'Malley at Minelect.

Eastern Distributor, Sydney

AlphaCom and Control Room Upgrade

Prior to the 2000 Olympics taking place in Sydney, many infrastructure projects were undertaken to improve the road network and public transport network to handle the increased traffic. STENTOFON were involved in the Eastern Distributor project, amongst others. Now over 10 years from the Olympics, the decision was made to freshen up the AlphaCom system that has performed without fault since deployment. Stage 1 was an upgrade to the AlphaCom 138 with the replacement of the processor and filter cards, instantly converting a 10 year old exchange into a new AlphaCom E26. The whole process resulted in less then 5 minutes downtime. Stage 2 involved replacing the 2 Control Room Master stations with new IP Desk Master Stations with Handsets and Gooseneck Microphones. Control Room stations always see the most activity, but even after 10 years of service, these 2 stations hardly showed signs of wear. The whole process took 4 hours, and with STENTOFON providing replacement circuit boards for the tunnel stations, the intention is to turn over all 130 Motorists phones to bring the system to an 'As New' condition. Any STENTOFON AlphaCom system can be upgraded to a new system with the replacement of only the processor card, or in the case of the M, the cabinet. No field stations or wiring need to be replaced, and a whole world of opportunity can be opened up through the use of IP technology. If you require more information on the upgrade possibilities of your AlphaCom exchange, please contact us.

St Lawrence's College, Brisbane

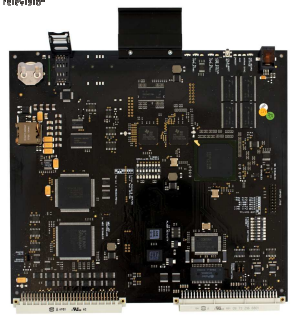
Public Address and Alarm over IP

Network Solutions in Brisbane approached us for a PA over IP solution for a prestigious Private School in South Brisbane that required delivery of the School Bell, Voice Alarms for evacuation and lockdown and PABX integration. The AlphaCom XE7 provided the perfect platform for a full featured system with dynamic possibilities. A total of 10 PA zone controllers, plus an IP Line In PABX interface, FXO PABX and IP CRM5 Station provided the hardware to cope with the extensive requirements set out by the client. One major requirement was the ability to de-activate certain PA controllers during exam times to eliminate student distractions, and the 48 key DAK panel leaves ample room for control. Staff can select which zone controllers should receive school bell and announcements, while voice alarm messages will always be delivered to all controllers, and the automatic volume override ensures that everyone receives the message loud and clear. The school bell schedule copes with 2 differing timetables per week, and the staff can disable the bell for public and school holiday times. 3 Alarms are available from the CRM5, via delayed button activation to ensure no false alarms, and the messages are stored on the AlphaCom's powerful AMC11 Processor Card to be accessed from the on board web server. Legacy PABX integration via an IP Line in interface allows staff to continue the NEC paging method, whilst the FXO interface allows staff to ring in to the system's Auto Attendant for functions such as school bell control, Paging and Alarm triggering, all protected by PIN Code. Such a flexible system from off the shelf equipment is only available from STENTOFON. Contact us or Network Solutions for more detail.

Audio Messaging

On board storage for pre-recorded voice messages and recall paging

AlphaCom systems have always had the possibility for on board storage of voice messages, however, this storage was really 'on a board'. The ASVP has served for many years, providing Alarms, Help messages and many other useful messages. With the release of the AMC11, the heart of the AlphaCom XE system, we now can be without the hassle of writing code, processing voice files and programming EEPROMS. All voice messaging functions and storage are now available from the AlphaCom's in built webserver, AlphaWeb. With the purchase of one of 3 different messaging licenses, Recall, Basic or Enhanced, different levels of service are available. Recall (also available on AlphaCom E) allows for the pre-recording of Group Calls prior to broadcast. This allows the user to check their message prior to sending, and also assists in feedback prevention in densely populated areas. The Basic license allows for Recall, along with 1 Auto Attendant message and 2MB for storage of audio messages. The Enhanced license allows for Recall, along with full ASVP Help Messages, 3 Auto Attendant messages and 10MB of stored voice. Messages can be uploaded in .WAV format, or can be recorded at a suitably privileged Master Station, and can be triggered by a user or by an event using the event handler. Uses include Evacuation and Fire Alarms, Scheduled messages for security purposes, Custom Group Call tones and the customisation of your help messages. The Auto Attendant can be used to assist in the processing of incoming phone call from the public network, delivering them to the correct user or department first time, or the desired feature by simply dialling one of the presented options. For a demonstration of the AlphaCom Audio Messaging system, please contact us.



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