STENTOFON

"Connecting Australia since 1975"

- AlphaCom XE
- Pulse
- Pro700
- BiWay

Ring-Master Service, Repair, Integration

M100 Service, Repair, Integration

DNH BEST **Marine Services**

Integration Partners

G4S AMAG TECHNOLOGY LENEL
SYMMETRY OnGuard

In partnering with AMAG, a leading manufacturer of security management systems and part of G4S, an AMAG(SYMMETRY)/STENTOFON intercom integration package is available.

The package provides a graphical intercom call station connection and logging capability from within the SYMMETRY Access Control and Security Management System. Intercom call requests, connections and status are all shown on one easy to use screen and call stations may be grouped and routed to an unrestricted number of client machines. This is especially useful for busy sites with a large number of stations installed. The operator can make and receive intercom calls, plus log intercom activity, and extensive history reporting capabilities provide the operator with accurate call station connection information.

Lenel's OnGuard's intercom interface allows for secondary annunciation of intercom calls, events, and alarms to appear in the main alarm monitoring view. Alarms can be linked to digital video, global I/O activity, and OnGuard's audit trail. With AlphaCom XE's Ethernet ports, direct connection to the customer's IP network is possible for integration to Lenel OnGuard.

STENTOFON's IP communication solution is a true native IP product designed from the ground up to offer all the benefits of IP. The solution provides voice, image and data links by using standard Ethernet network architecture allowing integration of all streams into one cohesive solution. The system employs standard VoIP protocols for audio encoding and control, and utilizes standard TCP/IP protocols for video and data transmissions, providing an area-wide network.

Overall it delivers a modular architecture to accommodate growth and change offering a variety of features that can be added as needed, including networking capabilities to extend the system geographically and to interface with other systems. Improving cost and service efficiencies, installation and system operations and providing full backwards compatibility, AlphaCom XE is set to provide customers with a flexible and reliable integrated communication system for some time to come.

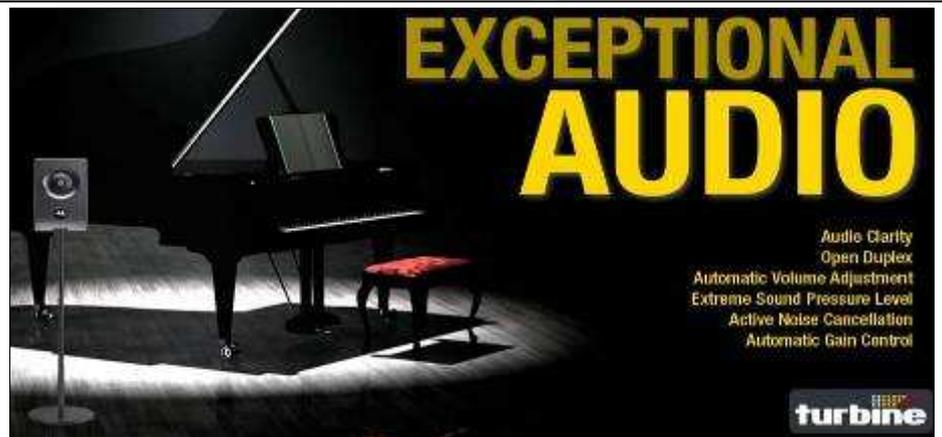# STENTOFON April 12 Newsletter

**Security Intercom and PA over IP
SINO Iron Project
Update**

With the first shipment leaving last week and the factory acceptance testing finished the SIEMENS SINO Iron Project is in full swing. When the mine is ready we can commence the onsite commissioning and deliver the last shipment of the PA IP Sub stations and IP speakers.

Keep up-to-date with us on facebook for more live information on this project and many others. Visit our page and like us while you're there.

SIEMENS **CITIC PACIFIC MINING**

EXCEPTIONAL AUDIO

Audio Clarity
Open Duplex
Automatic Volume Adjustment
Extreme Sound Pressure Level
Active Noise Cancellation
Automatic Gain Control

turbine

Exceptional Audio

Since its early design and development, the Turbine Series has been conceived to deliver high audio performance in situations where communication is critical. It is paramount in such situations that communication is clear and understandable between all parties on the very first attempt, with no repetition necessary. The Turbine Series achieves this by combining an array of innovative features that push the limits of audio and acoustic technology.

Audio Clarity

All Turbine stations are designed from the ground up to deliver incredible sound quality and clarity. Sound waves are extremely reflective and easily rebound off smooth surfaces. Parallel surfaces provide particular issues, as sound repeatedly reflects between all surfaces, causing distortion at high sound pressure levels. The 3mm die-cast aluminum frame is designed with no parallel interior surfaces, greatly reducing internal sound reverberation and distortion, allowing for optimal audio clarity.

Open Duplex

Open Duplex is a technology that allows simultaneous communication between two active parties on an intercom system. With Open Duplex, both the speaker and microphone on the stations are active at both ends at the same time, effectively making one-at-a-time intercom communication obsolete, and allowing for free-flowing, clear and reliable communication.

After years of active development STENTOFON has achieved a world's first with its Turbine Series, an intercom with effective Open Duplex capabilities at output levels of up to 95dB.Whilst Open Duplex is not new, it has never been successfully implemented at levels above 95dB, strengthening STENTOFON as the global leader in critical communication.

Automatic Volume Adjustment

All stations in the Turbine Series automatically adjust their output volume levels according to the noise levels of its ambient environment. A Turbine station mounted at an airport will adjust its speaker volume to the appropriate levels, whether the ambient noise is generated from a 747 airliner at take-off, or simply a passing baggage cart.

Extreme Sound Pressure Level

Noisy environments provide numerous challenges to reliable intercom communication. As required volume levels increase within loud environments, so does the risk of audio distortion, and these distortions can compromise the clarity of the message. Every station is capable of outputting clear, distortion free audio at extreme levels of up to 105dB from its speaker.

Active Noise Cancellation

The Turbine Series also features Active Noise Cancellation technology. STENTOFON spent many hours of development on this technology, resulting in each station being capable of extracting ambient noise levels that *are louder than the speaker's voice.* This advancement allows, for instance, an elderly person in an external, noisy environment to remain clear and understandable to the operators in the control room, and effortlessly facilitating safe and reliable communication.

Automatic Gain Control

Most intercoms impose physical constraints upon its users, whereby a person must stand close to the station in order to be heard clearly. The software algorithm developed by STENTOFON allows the station to automatically adjust the gain on the speaker's voice, effectively maintaining a constant volume level to the receiver, regardless of the speaker's distance from the station. The station is capable of handling audio from a distance of up to 7m'. This implementation drastically increases the stations usability and improves safety, as not only are the speaker's hands free, but they are also no longer restricted to the remain within a close proximity of the station.