



World Congress News

The 10th TETRA World Congress

Wednesday, May 28, 2008

Outstanding contribution to TETRA

The Outstanding Contribution to TETRA Award for 2008 was presented at the TWC 10th birthday party at Café Deco on The Peak last night to a very popular recipient.

The recipient was Jolly Wong, Chief Police Telecommunications Engineer with the Hong Kong Police Force and chief system architect of CC3 – the Command, Control and Communications Division responsible for the digital communications platform for the Hong Kong Police.

Clarence To, Assistant Commissioner of Police, told the TETRA Association: "Jolly's signature chipper and unassuming person-

ality has enabled him to bring CC3 happily into the 37,000-men strong Hong Kong Police Force and to win their wholehearted support. For a man only schooled in telecommunication engineering, he has proved to be surprisingly agile in lending muscle to his CC3 vision, which is now, I am told, an exuberant platform for communication within the Hong Kong SAR government."

The Award was presented by TETRA Association chairman Phil Godfrey. He said: "Jolly has been a tremendous supporter of TETRA over many years and has helped us promote the technology throughout the world. He is also

very well known as one of the nicest people in the TETRA industry."

The recipient of this Award is chosen by the Board of the TETRA Association



Jolly Wong is pictured (right) with Jean-Marc Nasr, President of EADS Secure Networks, following the signing of a five year maintenance service contract which gives EADS responsibility for all Hong Kong Police Marine and Crime TETRA system elements and terminals, plus hardware repair and software support.

Contract of the century!



This year TETRA broke the 100 barrier – and is now present in 103 countries. The century contract was won by Artevea, with a contract for the government in Namibia. Devdarsh Jain, Head of Product, (left) and Stuart Will, Head of Sales, are pictured with the Century Contract certificate presented by the TETRA Association during its press conference on Monday.

Cutting the cost of handsets

A new technology platform is being developed that will enable the availability of TETRA handsets at prices below US\$400 each. That's the claim of SRT PMR Technology, who are unveiling the first prototype PCB at the Congress, along with a model of one of the ultra low cost TC-200 OEM handsets scheduled for production in 2009.

SRT PMR Technology Managing Director, Dr George Kyprios, said: "As with all similar markets, we believe that a significant reduction in handset prices will facilitate a much larger volume and aggregate value market. Buyers' budgets will go further and those who could not previously consider TETRA due to price will now be able to enjoy its benefits. "We have invested considerable

time and effort in determining how we can achieve significant cost reductions whilst maintaining full compliance with all the required ETSI and operational specs. This starts with the technology platform and we believe that our new advanced platform will provide the basis for a pricing revolution in the TETRA market in the future, benefiting both users and the industry as a whole."

Simon Tucker, SRT's Group Managing Director, added: "We believe this is the biggest news for many years in TETRA as it will halve the price at which TETRA handsets are available to end users and therefore open vast new markets in South East Asia, India, South America, Africa and Eastern Europe. **Stand A3**



Inside this issue:

- New China manufacturing agreement
- TETRA in action with the Marine Police
- Global contracts announcements

World Congress News

is brought to you by



Motorola powers fuel cell development

Motorola is showing a Dimetra IP TETRA base station with an innovative fuel cell that incorporates a reformer so that the base station can run using a water/methanol mix. This can overcome any supply issues associated with hydrogen, making the fuel cell a viable solution in many more locations and in developing areas of the world.

A hydrogen system is suited for more advanced countries because of its availability but in other nations the water/methanol mix may be more viable.

Hydrogen fuel cells are a very well established technology, with banks and IT rooms are using them more and more for power backup. However, because of its low energy density, a number of large and heavy cylinders of hydrogen are required for a reasonable duration of power.

Using the reformer, the water/methanol mix makes a liquid

fuel which will be easier to source in some nations and situations. The fuel is easier to handle and has a high energy density.

Fuel cell technology is shrinking and Motorola is actively working with partners to investigate the feasibility of fuel cells in all types of mobile communications

including mission critical radios. In many mission critical operations, there is a need for long periods of use without the ability to recharge the unit.

Fuel cells offer the promise of extended periods of use without the need to return to base to recharge. They can also be used

to charge TETRA radios in remote locations, for example where TETRA is being used in an emergency and no power is available. Small fuel cells using liquid fuels are being evaluated as a means of charging several radios at one time in a compact desk-top unit. **Stand W**

Sepura joins Tyco portfolio

Tyco Electronics' Wireless Network Solutions business and Sepura have signed a partnership agreement to offer Sepura's TETRA digital radios as part of Tyco's international TETRA product portfolio.

"This agreement will expand our portfolio of digital products for TETRA users around the world and is another step by our company to provide customers with choices for their radio communi-

cations equipment requirements," said Larry Ward, vice president, Global Marketing and International Market Development, Tyco Electronics.

"Utilising Sepura's well known and reliable TETRA radios within our VIDA TETRA solution will enable us to continue to provide our existing and future customers with dependable equipment that they require today and tomorrow."

"This is an important milestone in the international growth of Sepura. Tyco Electronics is widely recognised as a world-leader in the industry, and all of us at here at Sepura look forward to a long and successful partnership with the company," added Graham Matthews, Chief Executive Officer, Sepura.

**Tyco Electronics - Stand K1.
Sepura - Stand E**



Professional Personal Communication



NEBULA



**Mobile - Desktop - Handportable - Infrastructure
Coordination & Communication Center**

P.I. Malpica c/F Oeste 50057 Zaragoza (Spain)
Tel: +34 976 465656 - Fax: +34 976 465720
cial@teltronic.es

www.teltronic.es

Sepura signs up to China manufacture

Sepura has become the first major TETRA terminal supplier to manufacture in China through its partner, the Tianjin 712 Communication and Broadcasting (TCB).

A ceremony was held at Tianjin to mark the agreement, attended by Chinese officials,



Graham Matthews, Sepura CEO, and Wang Bao, President of TCB, at the signing ceremony in Tianjin

partners and customers. The event included a formal signing to establish a Warranty and After Sales Service Centre, which will serve all Sepura partners and end customers in China.

Graham Matthews, Sepura's Chief Executive Officer said: "This makes a substantial statement to our customers that Sepura means business in China. With the TETRA market in China increasing, the new facility will give our customers exactly what they need – products that they can get locally and more quickly, that can be customised and serviced without incurring any unnecessary transport or time delays."

Stand E

Seeing TETRA in action

Taking advantage of having the Congress at a key customer location, EADS and the Hong Kong Marine Police organised a site visit to their headquarters, located in the Sai Wan Ho region. The Hong Kong Marine Police are the pioneer users of TETRA in Hong Kong. The network contract was awarded to Nokia in late 1999 and become operational less than a year later.

The Hong Kong Marine Police patrol 1651 square kilometres and 261 islands of Hong Kong's territory. In addition to normal policing functions, the Marine Police fleet is also responsible for maintaining effective law and order within Hong Kong waters with particular emphasis on countering illegal immigration and smuggling at sea.

The Marine Police are also one of the main agencies in the Hong Kong search and rescue organisation geared towards maritime operations both with-

in and outside Hong Kong waters.

Visitors were given a communication demonstration between the MRCCC control room and a remote vessel, using the wide band EADS TETRA THR880i. Clarity of voice exchanges is crucial, as the noise which surrounds a powerful boat cruising at an average speed is not insubstantial.



Visitors were also shown how the Automatic Vehicle Location (AVL) feature whose rapid update rate (three seconds) enables an optimal resource management.



Motorola Mission Critical Solutions

TWO DESTINATIONS: YOUR EFFICIENCY AND PASSENGER SAFETY

When thousands of people travel in ever-increasing frequency, the need for precise co-ordination becomes critical. Not communicating clearly could have drastic consequences. That's why so many leading multi-modal transport service operators around the world use Motorola mission-critical TETRA solutions. With high performance digital devices, applications and infrastructure, Motorola ensures seamless voice and data communications, and interoperability between different transport services. Operators can then focus on their mission and not the technology, to ensure smooth operations so that their passengers arrive at their destination safely and on time. It is just another way Motorola puts Seamless Mobility in the palm of your hand. **HELLOMOTO™**



Visit Motorola at Asia's largest TETRA event in Hong Kong, 26 - 29 May, 2008.

Have your say today

Share your thoughts of the future of TETRA in an interactive question and answer session – instant voting and instant results. Pushing the Boundaries of TETRA – 11.55 am

Teltronic secures Asia Pacific presence

Teltronic is consolidating its presence in Asia with the progressive incorporation of agents in the APAC territory and the opening of new offices in Seoul and Beijing. The Teltronic Local Customer Services organisation is already present in Singapore,

with further facilities under consideration for Australia and New Zealand.

In Australasia, private PAMR operator Airwaves has set up a Teltronic TETRA NEBULA network in New Zealand, initially to cover the metropolitan area of

Auckland. The system provides voice and data services including both full and half duplex calls, status, short data, packet data and circuit data (video). The network also offers IP access to third party applications, PSTN/PABX connection and SMS service to and from the cellular network. Airwaves plans to expand to other areas of New Zealand in the near future.

The mining company Rio Tinto, with headquarters in Brisbane, Australia, has selected the Teltronic handportable HTT-500 for its operations. Rio Tinto is one of the world's leading mining and exploration companies. The HTT-500 will deliver 3W RF output power adjustable from 15mW to 3W, 1W output audio power, the "Man Down" feature, internal GPS option and internal E2EE Encryption option, among other benefits.

Stand U1



Added value accessories

Stop Noise and EADS have launched an integrated camera-speaker-microphone, also for THR880i TETRA radio. It features an integrated camera which can be used for photography, but it is primarily intended for reading barcodes e.g. from a driving licence. The barcode can then be sent over the TETRA net-

work to a database for checking and the feedback returns as a flash message to the THR880i display. The product features a USB connector for storing the pictures to a memory stick or connecting directly to a laptop. The unit works as a normal speaker microphone and has its own keypad for sending messages, initiating position sending or emergency calls.



Savox Communications Ltd and EADS have introduced a wireless speaker-microphone for the THR880i TETRA radio. The RSM-65 Bluetooth speaker-microphone can connect wirelessly to the Radio, and has IP55 protection against dust and splash water. Its own battery provides a minimum use time of 10 hours. **Stand J**



Tyco Electronics Wireless Network Solutions

Delivering TETRA services today on a network built for tomorrow

Visit us at
2008 TETRA World Congress
Stand K1



Tyco Electronics
1011 Pawtucket Boulevard
Lowell, MA 01853—U.S.A.

For contact information visit:
www.macom-wireless.com
or e-mail us at:
InternationalCustomerFocus@tycoelectronics.com



Our commitment. Your advantage.

© 2008 Tyco Electronics Corp.

Recording and evaluation

CyberTech International has announced immediate availability of CyberTech 5.1, a new range of computer screen recording and call evaluation applications for call centres and control rooms of every size.

CyberTech 5.1 enables PC monitor screens and telephone calls to be recorded and replayed simultaneously and includes the

latest version of CyberTech's Evaluation application to give a complete view of all transactions. Together they provide a single integrated solution that can improve dispute resolution and the quality of service provided by agents and operators.

According to Arno Sybrandy, Global Marketing Director of CyberTech International, CyberTech 5.1 "will positively enhance key business processes such as compliance and customer satisfaction whilst delivering easy integration with existing servers and network security standards."

CyberTech platforms use non-proprietary software on standard off-the-shelf hardware. They can record traditional digital or VoIP (Voice over Internet Protocol) telephony either radio, trunk or extension side. This allows recording solutions to be deployed in smaller and larger environments with unlimited scalability. **Stand 04**

This newsletter is published by IIR Telecoms & Technology: www.iir-telecoms.com

The views in this magazine are not necessarily those of the editor or IIR Telecoms & Technology. Every effort has been made to ensure the information in this publication is correct and accurate. The editor and IIR Telecoms & Technology cannot accept any liability for any consequential loss or damage, however caused, arising as a result of using the information printed in this magazine.

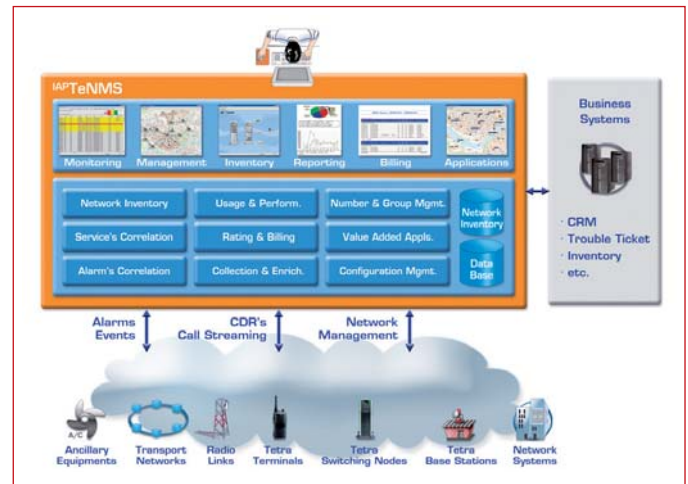
Printed in Hong Kong, 2008

The TETRA logo is registered to The TETRA Association Limited. All other trademarks and logos are the properties of their respective owners.

Monitoring and management

IAP Solutions is showing its TeNMS solution on Pod 2 (behind T1). TeNMS enables the monitoring and management of the communication network – TETRA equipment, terminals, radio links and other transmission components. The latest customer for the

TeNMS solution is Secora in Spain, Seville's municipal communication network, which serves local police, fire brigade, civil defence, institute for sports, and municipal utilities including urban transport, water supply, public cleansing and housing.



The TeNMS management solution for TETRA networks

Delivering the promise

Traditionally, voice has been at the core of mission critical radio communications, and data has been its complementary service. However, data is fast becoming mission critical. High speed data is at the core of the future of PMR, and EADS' Fortecor® solutions are showing the way.

For the security of all.

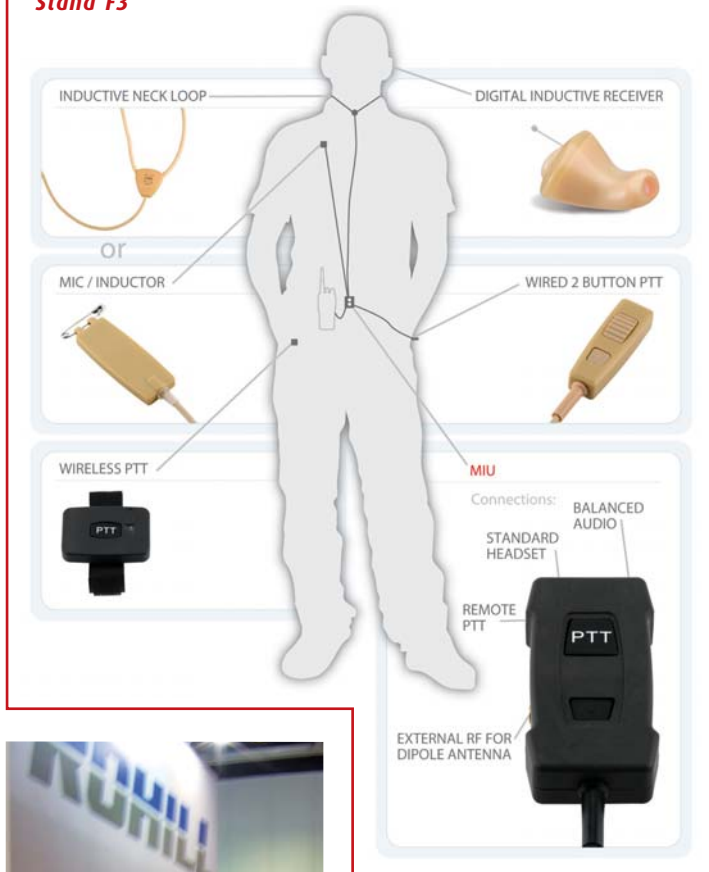
www.eads.com/pmr



Visit us at TETRA World Congress 2008
EADS stand J

The Lowe down

Low Electronics has a brand-new multi-function interface unit (MIU) range on show at the Congress, plus this helpful diagram to show where everything goes. Get the low down on **Stand F3**



Checking out the Rohill portfolio

A new generation of base stations?

Etherstack and Lyrtech are collaborating to port Etherstack's TETRA BS protocol stack to the Lyrtech Small Form Factor SDR (Software Defined Radio) plat-

form – which will potentially herald a new generation of TETRA base station femto-cells.

David Deacon, Etherstack's CEO said "The Lyrtech platform is the next step on the evolutionary path of TETRA base stations as we move towards a TEDS pico cell based world. Low cost, IP connected base stations providing unparalleled coverage in complex urban environments, will become the norm in several years from now".

Etherstack Stand X6



David Deacon, Etherstack CEO (left) and Lyrtech's Business Development Manager, Etienne Fiset

Communication control

SunGard Public Sector has released a compact version of its award winning DS2000 Integrated Communication Control System. The DS2000 Compact (DS2000C) is designed for small control rooms and to provide single touch screen control to integrated subsystems. These can include TETRA and analogue PMR radio systems, digital and analogue telephony, CCTV, voice recorders, intercom systems, door locks and alarms.

The DS2000C has been specifically designed to meet the needs of the emergency

services, public municipalities, military, transport organisations and port authorities. A single DS2000C installation can cope with control room sizes of up to 12 operator positions. Networked configurations of multiple systems can also be used to extend this capacity if required. **Stand H1**



Analysys Mason is the world's premier advisor in telecoms, IT and media



Analysys Mason has extensive experience of mobile communication systems and associated applications, working worldwide with clients across market sectors including blue-light services, utilities, and transportation. Mason Communications – along with sister companies Analysys and Catalyst IT Partners – has now formally rebranded as Analysys Mason.

At Analysys Mason, we will work with you to assist in devising a strategy to underpin your investment in mobile communications, evaluating the options best suited to your business need, offering practical procurement advice, and supporting the implementation of a comprehensive solution.

Come and visit us on Stand B1 where a warm welcome awaits.

Contact us: enquiries@analysismason.com or +44 (0)161 877 7808

Consortium lands nationwide deployment

A consortium comprising Eircom, Motorola and Sigma Wireless (TETRA Ireland) has secured Ireland's National Digital Radio Services contract. The eight-year 'build-own-operate' contract will

start with the roll-out of services in an area covering parts of Dublin, including the port and airport. The nationwide roll-out is scheduled to be completed within two years.

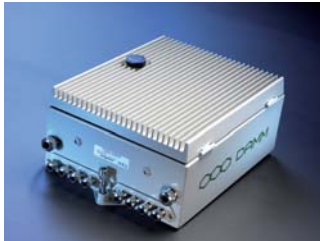
Inside and outside with Damm

Damm's new TetraFlex® software is showcased on **Stand P1** along with new features, add-ons and improvements such as the new API (Application programming in-

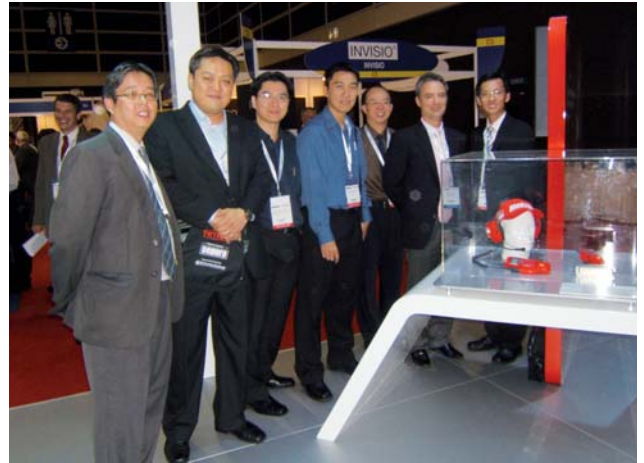
terface), Dispatcher, Log server, multi slot packet data gateway and Class 3 encryption.

Damm is demonstrating the full functionality of its base station indoor programme with the new base station controller BSC 412, which enables high capacity indoor service.

The SB421 Service Box (pictured) is designed for outdoor use, mounted directly on the antenna mast. It provides full physical support for up to two Damm BS421 base stations.



Damm SB421



Visitors to the first TETRA World Congress to be held in Asia on the Selex Communications stand

Centre of excellence for Middle East

EADS has been commissioned by the Qatar Ministry of Interior to operate its secured nationwide TETRA radio network for several years. Both partners will set up a dedicated TETRA competence centre which will include a train-

ing centre as well as a test bed for applications and services. In addition, a showroom will demonstrate all capabilities of the system. This will be the first TETRA centre of excellence in the Middle East.

FIRST IN TETRA

SETTING NEW STANDARDS IN:

- Toughness
- Performance
- Useability
- Features

DELIVERING:

- Performance in harsh conditions
- Highest water and dust resistance
- Most powerful audio
- Largest and sharpest colour display
- Highest data storage
- Optional, embedded Bluetooth
- Optional, high performance GPS



SEPURA'S NEW STP8000

sepura

Exhibitor Showcase Wednesday, 28th May

Position L3. The latest developments – presented by the experts. Come and find out more.

- 11.00** MOTOA4™ TETRA Mission Critical Portfolio
Motorola
- 11.30** Radio Interoperability over IP
Trilogy
- 13.30** Teltronic Showcase
Teltronic
- 14.00** The Power of Synergy
EADS Secure Networks
- 14.30** Seamless TETRA coverage in confined areas through the use of repeaters
Axell Wireless
- 15.00** TETRA network implementation
Pöyry Telecom Oy
- 16.30** Multiband antenna systems
Calero Antenne
- 17.00** Close of Sessions



WORLD CONGRESS 2009

26 – 29 May 2009 · ICM Munich

See you there!

www.tetraworldcongress.com

Further on.

Leveraging communications to protect communities

SELEX Communications, a Finmeccanica Company, is leader in the delivery of advanced communication, navigation and identification solutions to protect communities and critical national infrastructure for government, civil and military customers. Headquartered in Italy and with worldwide offices and facilities, SELEX Communication employs about 4.700 people.

For the institutional market SELEX Communications develops and supplies secure, integrated and interoperable turnkey communication solutions that combine different enabling technologies including TETRA, Simulcast and DMR and the latest generation of wireless broadband radio to provide multi-technology network solutions that guarantee transparent user connectivity in all circumstances to support efficient operations of Public Safety and Emergency Medical Services, Civil Protection Agencies, Public Administration and Transportation services.



www.selex-comms.com

