



## An outstanding contribution to TETRA

The Outstanding Contribution to TETRA Award was presented last night to Kees Verweij, ICT engineer for Public Safety within the Vts Police Netherlands organisation. The recipient of this Award is decided by the TETRA Association, and goes to an individual who has made a significant commitment to advancing TETRA.

Kees joined the Dutch Police in 1991 as a radio and system test engineer. He has been involved in C2000, the Dutch public safety network, from helping to write the requirements specification, through tender evaluation, con-

tract negotiation and system testing to implementation and ongoing development. He is currently working on TETRA Interoperability, mobile data, TETRA Inter System Interface and Air-to-Ground operation, for which he specified the European frequency plan.

Kees represents C2000 on the TETRA Association Technical Forum, TETRA Association Operator/User Association, TC TETRA plenary and TC TETRA Working Group 1.

"Kees has a heart and soul connected to the TETRA stan-

dard," said Hans Borgonjen, TETRA Association vice-chairman and a colleague of Kees for over a decade. "He is committed to sharing knowledge and ensuring that project successes are made available on an international basis. He works for the good of the technology on a global basis.



Kees Verweij

"His extensive knowledge enables him to move effortlessly between industry and user groups, helping each to understand the other's viewpoint and

brokering compromise where necessary. And perhaps most importantly, he is always willing to help others."

The Award was presented to Kees by TETRA Association chairman Phil Godfrey, who said: "Kees seems to have an almost unlimited appetite to contribute and to share his knowledge with

others. He carries the respect of all those in the many working groups and user groups that he is involved with; but best of all he is a really nice person to know."

## Network expansion for German energy giant

EADS is to extend the M-Funk TETRA network of Stadtwerke München (SWM). 1100 subscribers currently use the network, which is being expanded from 15 to a total of 31 TB3 base stations. SWM is the largest communal energy supplier in Germany, and also offers M-Funk access to external customers.

Supported by EADS, SWM acquired MAN Nutzfahrzeuge AG as its first major customer for M-Funk. The SWM radio network is used primarily by MAN's works fire brigade and its plant protection and maintenance units.

Marketing these professional services and solutions to third parties creates special challenges for the system infrastructure. EADS TETRA networks support independent and secure use by different organisations through the use of Virtual Private Network (VPN) technology.

SWM is presenting its TETRA M-Funk network and applications on the EADS stand G301.

### Congress attracts record numbers

TWC 09 has attracted a record number of visitors, with over 2,500 people at Munich's ICM during the week's event. "It has been an outstandingly successful week despite the economic climate, and has shown the solid strength of the TETRA market," said IIR event director Tom Davies.

## Across six countries in nine days



Motorola's MOTOBike Tour ended this week at the Congress. Kenneth Norvald-Pedersen drove Motorola's TETRA-equipped Yamaha FJR13200 motorbike across six countries in nine days, demonstrating Motorola's technology on the move while meeting with customers in the UK, Belgium, Netherlands, Germany, Denmark and Austria. On his journey he learned about TETRA in use in different locations and spoke with experts and users in the industry – including Airwave, TetraNed, and Brussels Airport.

## Precise planning

The main objectives and challenges of radio network planning are obviously to achieve or exceed coverage and network quality specifications with minimal costs involved; and this is especially important when introducing a nationwide digital TETRA network, says LS telcom. Precise planning is the guaran-

tee to not only achieve the expected quality and network coverage, but at the same time to ensure a most cost-effective network design as well as a most profitable network opera-



The LS telcom team at TWC

tion. Plan a trip to see LS telcom on **Stand C904**.

## Built on user feedback

BHE Bonn Hungary is presenting its new generation of TETRA repeaters on Stand B401. During the design and testing of this product family, which includes both band- and channel selective products, the team considered all the operational experiences of the nationwide Hungarian TETRA network, which currently comprises over 40,000 terminals. End-user information and feedback has been incorporated into the new products. BHE can offer a complete range of repeaters from 15dBm to several watts, including optical systems.



BHE BRTS24 Repeater



Talking TETRA

## Prototypes on show

HYT is displaying its latest TETRA prototypes, the PT-580 and MT-680 on Stand B312. Equipped with features such as GPS,



Blue-tooth, and man-down, the HYT portfolio will be a new addition to the TETRA market. See them on **Stand B312**.

HYT at TWC 09

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## Zetron adds to Middle East success

Zetron has announced multiple deployments of its DCS-5020 digital consoles for a major public safety and border control communications project in the Middle East.

Comprising more than 60 operator positions, the DCS-5020 systems provided under this contract allow seamless integration of TETRA and legacy analogue communications systems such as MDC1200 & GE Star radio network as well as enabling integration of telephony and web-based services.

This deployment builds on Zetron's previous successes in the Middle East. In conjunction with its regional partners, Zetron has deployed console systems into the public safety, oil & gas sectors as well as solutions for port and harbour control. The configuration supplied under this latest contract was initially configured as a large number of

small, independent control rooms. However, after shipment the customer decided to reconfigure the system to provide a very large single deployment consisting of 15 operators plus a number of smaller control rooms. The flexibility of the DCS-5020 meant the last minute reconfiguration was successfully achieved. Check Zetron out on **Stand C102**.

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## Teltronic's MVC 6000 – The future today?

The MVC 6000 Multi-Bearer Vehicular Console is a new product from Teltronic which brings together a variety of wireless technologies and applications over a single device. It has a transreflective touch screen designed for high visibility in direct sunlight.

Technologies supported by the MVC 6000 include TETRA, P25, WiFi and Mobile WiMAX. Mobile office applications include e-mail, Intranet access, VPNs, navigation systems, video recording and integration with Teltronic's CeCoCo CAD dispatch solutions.



The MVC 6000 Multi-Bearer Vehicular Console

The MVC 6000's open architecture allows customers to incorporate third-party applications.

The MVC6000 – see it on **Stand C301**.

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Besuchen Sie uns auf dem TETRA World Congress: Halle C1 · Stand D301

[www.motorola.de/BOS](http://www.motorola.de/BOS)

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**MOTOA<sup>4</sup>**  
Mission Critical Portfolio

## Rohde & Schwarz to equip Saxony highway with TETRA by 2010

Rohde & Schwarz Professional Mobile Radio has won the bid for the installation of a digital radio system for the Saxony highway system. The contract is valued at around EUR 4.8 million. As prime contractor, Rohde & Schwarz will replace the analogue radio system operated by the Saxony highway agency with IP-based TETRA digital radio technology. The new system is scheduled to be operational by October 2010.

The ACCESSNET-T IP system will be installed along the Saxony highway system with redundant exchanges and base stations. Special applications will be integrated into the digital radio system for the Saxony highway agency, including a fleet management system, IP-based fixed network points and repeaters for providing service inside tunnels. Rohde & Schwarz are on **Stand F201**.

## Alicante Airport award

Motorola has won a contract to provide AENA Alicante Airport with an advanced TETRA system. With the deployment of a TETRA network throughout the airport, indoor and outdoor radio communication between ground staff, airport officials and other workers will be significantly improved.



Advanced TETRA at Alicante Airport.

Partnering with Amper Sistemas, Motorola will role out its Dimetra IP TETRA solution, which is scalable so as the airport grows the technology can support the increasing demands.

"More and more airport operators worldwide are looking for efficient and failsafe communications to improve operating efficiency and ensure passenger safety," said Manuel Torres, vice president and general manager, Motorola Enterprise Mobility So-

lutions - Government Business, EMEA.

More than 80 airports, including many of the busiest airports worldwide, have used Motorola's radio communications solutions specially tailored for the airport environment. Alicante airport is the fourth in Spain which utilises Motorola TETRA technology. Motorola is flying high on **Stand D301**.

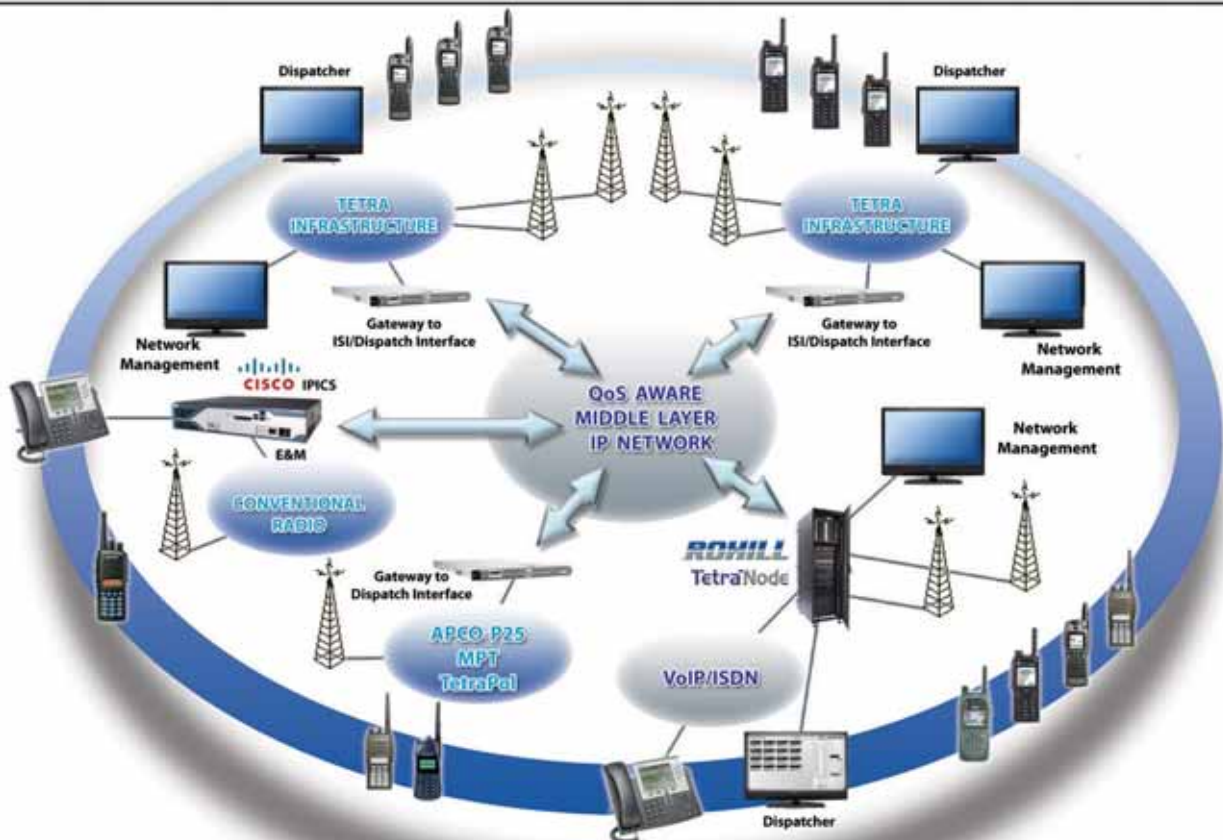
## Unlimited networking from DAMM



DAMM's newest TetraFlex upgrade offers multisite capability for networks of any size. Find out more about the modular approach on **Stand G501**.

# ROHILL

## ODINI - On Demand Intelligent Network Interface



ODINI - ON Demand Intelligent Network Interface Complementary to the TETRA ISI the ODINI interface fulfils a requirement of a point-to-multipoint system interface. ODINI is based on an open software solution and allows interoperability on demand between the different manufacturers' local and regional systems.

## Itelazpi and Teltronic partner in Basque Country TETRA network build

The Basque Government network operator, Itelazpi, has joined forces with Teltronic to build a TETRA NE-BULA network. The Basque Country's geography is spectacular – and challenging. A population in excess of two million is spread out across coastal and mountainous terrain in three provinces and as many as 250 separate municipalities.

The Itelazpi TETRA system has been planned to work on a large scale: it consists of an initial 140 base station sites connected to three provincial nodes, including full redundancy, a command and control centre, network management and billing system to cater for several thousand customers. Full regional coverage will be achieved by the end of 2009.



Portugalete's Vizcaya Bridge – the famous hanging transporter bridge (Puente Colgante) near Bilbao in the Basque Country

Data will play an important role in the Itelazpi network. Local utilities will have access to real-time meteorological and hydrological telemetry data by integrating sensors, data logging and SCADA systems using the TETRA Peripheral Equipment Interface (PEI). Transport companies, public safety and other users will have access to automatic vehicle location (AVL), passenger information and data bases. Teltronic is on **Stand C301**.

## EADS TETRA in the pipeline for Russian oil and gas

EADS is to extend the Surgutneftegas TETRA network in Western Siberia. The project will complete the experimental EADS network already implemented, replacing the existing analogue network. The network will provide radio coverage for the Surgutneftegas oil and gas fields, as well as for part of the Surgutneftegas pipeline. The project is scheduled to be fully operational by the end of 2009.

“This is a great reference for us in the oil and gas industry as well as a real challenge. Our teams are looking forward to deliver specific solutions that will match the technical specifications, the extreme weather constraints and the geographical peculiarities” said Dirk Borchardt, Head of Security & Communication Solutions in EADS Defence & Security. DS is working in close collaboration with T-Helper, its VAR in Russia. See what else EADS has in the pipeline – **Stand G301**.

# THR9

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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.



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# New TETRA radios for Toulon

A large range of public services in Toulon Provence Méditerranée, France, is about to benefit from new TETRA radios from

ties cover core facilities and utilities such as public transport and waste management. Responsible also for road, waterways and

and leisure organisations will use Sepura radios on a TETRA network that integrates all of the area's municipal services in everyday activities as well as emergency situations. The contract was secured by SYSOCO, Sepura's distributor in France.



Sepura. Over 2,000 users will operate on the new digital network deployed in the locality surrounding the French city.

Toulon Provence Méditerranée is the District Council for the city of Toulon and its surrounding municipalities. Its responsibili-

ties cover core facilities and utilities such as public transport and waste management. Responsible also for road, waterways and parking, the management of such a large agglomeration requires cross agency communication in the event of major incidents.

Police, parking wardens, utilities, construction, public area maintenance teams and sports

## Verint joins EADS TWISP

Verint® Systems – Stand B302 – has joined the EADS DS TWISP Application Developer programme, which provides member companies with access to technical documentation, training and test facilities that enable interoperability with EADS TETRA systems. TWISP collects the latest information on solutions available worldwide. Verint's Impact 360® for Public Safety Powered by Audio-log™ enables public safety organisations to capture calls and related data across digital and

analogue telephone, trunked and conventional radio systems, telephone lines and VoIP phones. With available console screen capture, incident investigation and analytics, eLearning and coaching, and citizen surveys technology, it assists public safety organisations in achieving accuracy and completeness of records, immediacy of incident data, a reduction in liability and improved quality and employee retention, helping to accomplish more with limited resources.



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