

News

Secure Land Communications

New era in radio communications: Airbus releases Taira Tetra Server

Taira reduces operating expenses, improves redundancy and speeds up call set-ups

Elancourt, 9 May 2017 – Airbus has introduced the new Taira Tetra Server for professional mobile radio networks. This versatile server based on IP technology can replace conventional switches and operates at much lower costs. The Taira is smaller than a typical switch and works more efficiently and economically, while still providing the same high service availability that many mission- and business-critical customers around the globe expect from Airbus Tetra solutions. Furthermore, the server can be managed easily as it fits into existing IT environments.

“For users of mission-critical networks, Taira facilitates daily operations: the flow of information is fast and extremely reliable,” says Eric Davalo, Head of Strategy, Solution Portfolio and Engineering of Secure Land Communications at Airbus. Thanks to the virtualisation of commercial off-the-shelf hardware, server capacities can be exploited in a better way. “This is expected to help Tetra be installed in complicated and narrow surroundings, for instance in the mining industry, at airports or in underground systems,” he explains.

Using modern IT server technology in the framework of a Tetra network enables operators to integrate a Tetra system into their existing data centres. The Tetra network can be operated with the same processes that are used for other IT solutions and managed by the same personnel. It helps operators to reduce their operating expenses and marks the start of a new era in critical communications infrastructure. On top of its exceptionally high availability, the server from Airbus consists of standard solutions with virtualisation layers. This ensures true hot standby redundancy even in extreme situations.

Thanks to the Taira Tetra Server, mission- and business-critical users can benefit from the security, the high speed of call set-up and the versatile range of features that Airbus has been developing for its PMR customers over the past 20 years.

For the first time in Asia, three Taira Tetra servers will soon be used in four metro lines of the Chinese megacity Chongqing. Airbus was assigned to install a single integrated Tetra radio communication system across the four metro lines, with three switch centres to support cross-line train dispatching, operation and security. The system is expected to enter operation in December 2017.

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The Taira Tetra servers will be presented during the Critical Communications World (CCW) exhibition at the Airbus stand C5, AsiaWorld-Expo in Hong Kong from 16 to 18 May 2017.

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Airbus

Airbus is a global leader in aeronautics, space and related services. In 2016, it generated revenues of €67 billion and employed a workforce of around 134,000. Airbus offers the most comprehensive range of passenger airliners from 100 to more than 600 seats. Airbus is also a European leader providing tanker, combat, transport and mission aircraft, as well as Europe's number one space enterprise and the world's second largest space business. In helicopters, Airbus provides the most efficient civil and military rotorcraft solutions worldwide.

Secure Land Communications (www.securelandcommunications.com)

Secure Land Communications (SLC), a business unit of Airbus, develops, installs and maintains professional and land mobile radio (PMR/LMR) networks based on Tetra, Tetrapol and P25 technologies and offers a wide range of radio solutions and devices for customers worldwide. The portfolio also encompasses mission-critical broadband solutions based on 3GPP standards and emergency response centres (911/112). SLC is a leader in PMR, with more than 280 radio networks in over 74 countries, and the US leader for 911 response centres with the VESTA 911 call handling solution serving more than 60% of the market. SLC employs nearly 1,700 people in 20 countries.

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