



German Chancellor Gerhard Schröder called in on Rohde & Schwarz at the ILA.



International Aerospace Exhibition and Conferences in Berlin

The International Aerospace Exhibition and Conferences ILA was held in Berlin from 6 through 12 May 2002. More than 330 aircraft being showcased, 1000 exhibitors from over 40 countries and 85 000 trade visitors notched up a new attendance record.

“Safe and Secure Radiocomms” was the theme on the Rohde & Schwarz stand. Besides the multiband, multimode and multirole software radio families M3AR (airborne) and M3SR (surface), the ELCRODAT 4-2 and ELCRODAT 6-2 crypto products from Rohde & Schwarz’s subsidiary SIT GmbH were on show. Secure communication solutions were also obviously appreciated by German Chancellor Gerhard Schröder during his visit to the Rohde & Schwarz stand.

Rohde & Schwarz supplies first TETRA mobile radio system in Latin America

Rohde & Schwarz BICK Mobilfunk supplied a TETRA ACCESSNET[®]-T mobile radio system to Mexico’s state power utility Comisión Federal de Electricidad (CFE). The system, which went into operation in April 2002, is the first TETRA radio network in Latin America.

The system is intended for internal communication between CFE service and maintenance staff. Decisive points in its favour were flexible scaling and interoperability. When required, CFE can expand the network at any time using the existing components. In addition, interoperability enables straightforward use of various terminals from other certified TETRA suppliers.

The system uses two TETRA carriers in the 800 MHz frequency band and provides seven traffic channels. Rohde & Schwarz BICK Mobilfunk plans to set up further TETRA systems in this region in the course of the year.

INET and Rohde & Schwarz conclude sales agreement

The American company INET and Rohde & Schwarz have concluded a sales agreement. Under the terms, Rohde & Schwarz will market Spectra multiprotocol test solutions from INET in Germany, the major applications of which are signalling tests on telecommunication systems. A special focus of Spectra is load generation. These products will enable Rohde & Schwarz to expand its product portfolio for the development and test labs of system producers and network operators.

Australia’s armed forces favour T&M equipment from Rohde & Schwarz

The Australian Rohde & Schwarz subsidiary has been named a preferred supplier of electronic T&M equipment by the Australian Defence Force (ADF). Over the past 20 years, the company has supplied the Australian forces with a host of equipment: more than 200 communication testers, some 150 signal generators and over 70 power meters have been added to the ADF’s inventory. Years of good experience with the products plus full calibration, repair and training support contributed to the nomination of Rohde & Schwarz.

System for statewide EMF monitoring

Rohde & Schwarz supplied a system to the Bavarian Environmental Protection Agency that allows precise measurement of electromagnetic fields (EMFs) in the environment, emitted by mobile radio or power installations for example. This marks the start of statewide EMF monitoring in Bavaria, which is to determine the current situation and track the development of the environmental burden on the state’s populace. The system was officially handed over to Bavaria’s Minister of the Environment, Dr Werner Schnappauf, and the President of the Bavarian Environmental Protection Agency, Christoph Himmighoffen, on 24 April 2002.

The mobile system consists of a test receiver working with a special antenna configuration (omnidirectional antennas covering 20 MHz through 3 GHz). Emissions are detected, evaluated and automatically compared to limits by software. Both the level of the environmental burden and compliance with set limits can be exactly determined in this way. The Environ-

mental Protection Agency will collect and analyze data from 400 statistically selected test points in Bavaria in the course of this year. This blanket detection of the real environmental load produced by electromagnetic fields is a worldwide first, creating a new environmental indicator that makes it possible to better assess the current situation, track trends and counteract them.



Bavaria's Minister of the Environment, Dr Werner Schnappauf (2nd from right), at the handover of the new monitoring system



Advanced software radios to protect the rain forest



The Brazilian Air Force awarded Rohde & Schwarz a contract for an initial 152 M3AR airborne transceivers, with an option for more. The advanced software radios will be used onboard 76 aircraft of the type EMB-314 Super Tucano/ALX from Embraer, which will be deployed as from 2003 within the SIVAM (Sistema de Vigilância da Amazônia) project for the protection of the Brazilian rain forest.

Brazil launched SIVAM a few years back, intended to protect the Amazon forest against destruction by fire and unauthorized clearing and to keep a watch on smuggling and guerilla activities. The project involves the installation of ground and air control stations with a total value of about \$ 3 billion. It also involves setting up an aircraft fleet to be operated by the Brazilian Air Force. Rohde & Schwarz won the contract to supply the radiocommunication equipment



The new Super Tucano/ALX will reconnoiter the Amazon rain forest.

for the Embraer ALX propeller aircraft, and the first M3AR software radios will be delivered this year. Decisive factors in favour of Rohde & Schwarz were the modular software concept and the capability for jam-resistant and protected voice and data transmission.

Digital TV network in Taiwan set up by Rohde & Schwarz

A new DVB-T television network using Rohde & Schwarz transmitter technology has gone on the air in Taiwan. At short notice the company supplied three liquid-cooled TV transmitters for the country's first digital TV network. The crucial factors in favour of Rohde & Schwarz were its many years of experience as a worldwide market leader in DVB-T transmitter technology, fast availability and the range of possibilities for remote control of the transmitters. Another 30 to 40 transmitters will eventually be added to create a nationwide single-frequency network. By the end of 2003, Taiwan's five TV broadcasters plan to have 10 to 15 channels operating.

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