



TETRA SYSTEM

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Digital radio system, named TETRA standard is defined by ETSI institute. In standardization process, compatibility of communication equipment and systems is provided, even of those developed by different producers. TETRA system enables robust and professional communication over cell type mobile communication systems, retaining services offered by traditional PMR telephone system. Due to high reliability, this system is



appropriate for those users which desire fast and secure digital communication systems with additional services.

TETRA system is used in most Europe country in 112 emergency call systems for communication between different services from different countries which are integrated in united system for rescue and protection.



BUSINESS FORUM

WiMAX – RADICALLY NEW WIRELESS BROADBAND TECHNOLOGY

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This presentation addresses the status and future development of WiMAX compliant W-OFDM Broadband Wireless Access systems from a technical perspective. It gives an overview of the existing BWA projects in Croatia and examines the potential future projects concerning design and system implementation. MICRO-LINK will present the latest information on WiMAX certification process and technical summary of existing equipment as well as the future potential of this radically new wireless broadband technology.

IPNAS - INTEGRAL FOREST FIRE MONITORING SYSTEM

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IPNAS - Integral forest fire monitoring system is experimental system for early detection of forest fire based on the images captured by the video cameras in the visible spectra during day and near infrared spectra during night. The system is based on the field units and central processing unit. The field unit is conceived of controlled video cameras, network embedded video server, wireless or wired TCP/IP based communication part, mini meteo-station and network embedded data server for collecting meteorological and system

process parameters. The field units could be energy independent powered by solar cells and mini wind generators. Central processing unit is the main system part where all calculations, presentations, image and data archiving are done. The developed system was tested during the 2005 fire season. Three experimental, prototype units were produced, two located on real life locations (Vidova gora – island Brac and Marjan Split) and the third one was located on FESB building and used for camera control algorithms development. The experiences with the experimental systems were according to our expectations and very valuable for further algorithm tuning.