



**Official Press Release**      27. May 2011

## **TELEFUNKEN RACOMS supplies broadband radio communication solution for metro trains in Munich**

TELEFUNKEN RACOMS has won a tender and secured an additional contract to supply a high performance radio communication system for broadband data transmission from metro trains. This contract is for the delivery of further TRainCom<sup>®</sup> MT vehicle radio installation sets to equip 68 existing metro trains of the type A of Munich Metro. The value of this contract is close to a million Euros.

This contract brings up the number of TRainCom<sup>®</sup> equipped Munich Metro trains to a total of 125. The existing trains will also be partially modernized and fitted step by step with the high performance TRainCom<sup>®</sup> MT radio communication system to ensure that during operation a constant transmission of several simultaneous data services is possible.

Significant for this project is the combined transmission of data for telematic applications, as well as a new passenger information and infotainment system (i.e. passenger TV), that should help to optimize train operation but also improve passenger comfort.

Nevertheless also video images from cameras installed in the trains, should be transmitted via the radio system to the control center of Münchner Verkehrsgesellschaft (MVG) for evaluation. Video surveillance cameras in trains and metro trains are already common and widely in use. But to evaluate the video material, the appropriate hard-disk storage usually had to be removed by hand.

The entire radio system shall be installed in several installation phases and gradually contribute to safe railway operations. Due to its very efficient transmission characteristics with data rates of over 25 Mbps per train, the radio system still offers reserves for future new applications.

The overall objective of the radio project includes all trains and the entire route network of Munich Metro with over 100 kilometers of tracks. The lines typically run underground, but also comprise two track sections above ground and the parking facilities of the trains.

*(303 words)*

## **The company**

The specialist for communication solutions headquartered in Ulm, Germany, has its roots in TELEFUNKEN, the former global brand. Today the portfolio of TELEFUNKEN Radio Communication Systems GmbH & Co. KG (TELEFUNKEN RACOMS) covers a wide spectrum of radio systems and communication solutions for military up to commercial applications.

The company also has created a system family of integrated radio communication solutions for an array of railway applications, which goes by the name of TRainCom<sup>®</sup>. The TRainCom<sup>®</sup> systems are based on the radio technology already successfully deployed in the high-speed Transrapid maglev train. All the core components of the TRainCom<sup>®</sup> radio system solutions are developed and made in-house at TELEFUNKEN RACOMS to guarantee for highest performance and constant product quality.

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