



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

Together with the German main contractor INIT GmbH, TELEFUNKEN RACOMS has secured a contract from Munich metro operator SWM to supply a high-performance radio communication system for digital data transmission from metro trains.

Already deployed in international rail projects, this contract marks a milestone for TRainCom[®] also in the national rail market. The order value totals several millions of Euros.

The contract relates to the supply of a broadband TRainCom[®] MT radio communication system to enable the simultaneous, reliable transmission of multiple data communication services, especially for passenger infotainment and telemetry applications.

But within this project also recorded video sequences from cameras installed in the trains will be transmitted to a central supervision and control center for further analysis. Occasionally there are already video cameras installed in trains, but their information is often stored at onboard recording systems and needs a manual extraction.

Due to its high transmission efficiency and typical data rates above 12 Mbps per train, the system also offers reserves for future new applications.

In a first construction phase, initially about 30 stations and 50 trains of Munich metro will be equipped with the TRainCom[®] MT radio system. The entire target, however, encompasses more than 100 kilometers of the metro track. Most of the route is underground, but it also comprises two over ground track sections and the train parking facilities.

The ordered radio system will be installed in project phases. They will be commissioned step by step as a significant contribution to a safe metro operation.

Worth mentioning in this context. Already from its inauguration during the Olympic Games in 1972, Munich metro is using TELEFUNKEN radio communication systems for its usual driver communication and to maintain operational safety.

(283 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[®]. The TRainCom[®] systems are based on the radio technology already successfully deployed in the high-speed Transrapid maglev train. All the core components of the TRainCom[®] 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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