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Moscow Metro

Eupen delivers +200km Ultra-broadband Radiating Cable

Customers Project 1: Moscow Metro, Ministry of Interior
Project 2: Mobile TelSystems

Situation The Moscow Metro is the Rapid Transit System serving the greater Moscow Area that was opened in 1935 with a 11 Kilometre long line and 13 Stations as the first Underground Rail System in Russia. Today, with construction continuing, the Moscow Metro covers over 200 kilometres of track and serves 9 million people each day.

EUPEN Cable is proud to have been chosen to supply the Radiating Cables that are used to enable Radio Communications for two major Projects on the Moscow Metro and EUPEN is particularly proud to have been chosen to supply its Radiating Cables upon completion of independent performance testing, organised under the lead of the Moscow Metro, against major competition, which confirmed the industry leading superior RF Performance of the EUPEN RMC-type Radiating Cables.

Project Name:	Moscow Metro TETRA project for first responders
Customer	Moscow Metro, Ministry of Interior
Challenges	Building a unified radio network based on TETRA standard equipment to create single radio space in the Moscow metro in order to ensure efficient interaction of metro workers and law enforcement officers.
Solution	Design and construction of a professional radio network, based on existing terminal equipment, of an open standard, digital trunking communication system TETRA; thus creating in the underground tunnels radio propagation using 120 km of Eupen ultra-broadband RMC 114-HLFR radiating cable, as well as providing radio coverage on various levels in the underground facilities & stations using both directional and omnidirectional antennas.

Project Name:	Moscow Metro MTS Project
Customer	Mobile TelSystems
Challenges	Creation of a Distributed Antenna System (DAS) for cellular radio coverage for "MTS" on passenger platforms, stations of the Moscow Metro, including tunnels (voice and data traffic).
Solution	Supply of a Distributed Antenna System for cellular radio coverage for Mobilnyje TeleSistemy (MTS), the largest Mobile Operator in Russia, on platforms, stations and tunnels of the Moscow Metro for voice and data traffic. Provision of the RF-Services into the underground tunnels is achieved using 80km of ultra wideband Eupen RMC 158-HLFR "A"-Series radiating cables and, for underground stations and platforms, both directional and omnidirectional antennas.

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