

Press release

Kapsch CarrierCom successfully installed GSM-R network in Hungary

The network stability tests of the first section of the GSM-R network installed for Hungarian State Railways and GYSEV Zrt. have been closed successfully. The implementation of the state-of-the-art GSM-R technology increases the operability of the rail corridor in Hungary, which is one of the most important in Europe. Dr. László Felkai, State Secretary at the Ministry of Interior in Hungary, Mr. András Vidra, Director of ICT and technologies of MÁV, and Dr. Kari Kapsch, CEO of Kapsch CarrierCom presented the details of stage five of the GSM-R project at a press briefing on December 18, at the Network Operations Center (NOC) of the Hungarian State Railways in Budapest.

Vienna/Budapest, December 18, 2017 – Kapsch CarrierCom and the Hungarian infrastructure expert MVM OVIT Zrt. (Országos Villamostávvezeték), equipped the Hungarian railway network with the Global System for Mobile Communications – Railway (GSM-R) technology. The system includes a geo-redundant, state-of-the-art Release 4 core network and an access network with the newest, railway-specific base station subsystem, covering 900 track kilometers of which 300km have been handed over to the Hungarian railways and Győr-Sopron-Ebenfurti Vasút Zrt. (GYSEV Zrt.) today. The project for the Hungarian state holding company NISZ Zrt. (Nemzeti Infokommunikációs Szolgáltató) started in 2013 and amounts to a total volume of roughly 46 million Euro. “With the successful installation of GSM-R technology and today’s handover of around 300 km of the network, we not only finished phase five, but also achieved a very important milestone of this complex project”, explains Kari Kapsch. The network is also certified to support ETCS Level 2 traffic

Hungary: A rail corridor of high importance for Europe

The implementation of the GSM-R technology in Hungary is of great significance since three of the most important pan-European rail corridors run through the country. The interoperability of the safety systems is therefore of the highest priority for a smooth operability of international railway transportation.

László Felkai: “We are happy, that this important step of the project is finished. It’s a great optimization of the Hungarian rail network as well as of the trans-European rail traffic.”

Implementation of newest EU-standards

The project has been completed in compliance with the standards defined by the European Commission as part of European Rail Traffic Management Systems (ERTMS). One core intent of ERTMS is the transition from individual national solutions to a uniform train radio system throughout Europe to reduce costs and increase safety. The system consists of two main elements: a uniform signaling system (ETCSL2, European Train Control System Level 2) and the GSM-R radio technology. The addendum of ERTMS published in 2016, which requires new Technical Specifications for Interoperability (TSI) for the Control-Command and Signaling Subsystem (CCS), has already been implemented too. “Changes in the EU-regulatory were met by several profound adaptations on the side of Kapsch, although the project was in its full swift. By doing so, we made sure to deliver the newest solutions possible. Thus, Hungary is one of the first markets to have implemented the 2016 version of the ERTMS”, says Kari Kapsch.

Kapsch CarrierCom, a Kapsch Group company, is a leading global producer, supplier and systems integrator of end-to-end telecommunications solutions. The company is pursuing the mission to shape the path for railway operators and carrier networks as well as for public authorities, public transport operators and airports to leverage technologies for their specific and often mission-critical communication demands. Its portfolio comprises innovative, business and mission-critical products, solutions and services, based on in-house research and development, completed with the portfolio of selected strategic partners. The expertise of Kapsch CarrierCom covers, amongst others, solutions for the next generation of mission-critical communication, digitalization of railways, and virtualization in the communication domain.

The family-owned Kapsch company, with headquarters in Vienna, celebrates its 125th jubilee in 2017 and thus its long-term success story in the development and implementation of new technologies for the benefit of its customers.

For additional information: www.kapsch.net and www.kapschcarrier.com

Connect with us on Social Media: [Twitter](#) | [LinkedIn](#)

Press contact:

Alf Netek

Chief Marketing Officer & Press Officer

Kapsch AG

Am Europlatz 2, 1120 Vienna, Austria

P +43 50 811 1700

alf.netek@kapsch.net

Verena Paar

Vice President Marketing & Communications Global

Kapsch CarrierCom AG

Lehrbachgasse 11, 1120 Vienna, Austria

P +43 50 811 3601

verena.paar@kapsch.net

>>> www.kapsch.net