

## **GSM-R Poland: FREQUENTIS' communication solutions to support Polish rail network modernisation**

**The nationwide mobile communications system for the Polish rail network will enable improved performance**

**After a long tender process, PKP Polskie Linie Kolejowe S.A. selected Frequentis to provide its dispatcher terminals and communication nodes as part of a nationwide GSM-R mobile communications network to be deployed by Prime Contractor Nokia. Nokia is providing a common IT platform for all core software in the GSM-R network for the Polish project.**

GSM-R (The Global System for Mobile Communications – Railway) is an international wireless communications standard for railway communication and applications. It enables reliable, digital communications between train drivers and signallers, improving call quality and introducing functional numbering, as well as new services, such as group calls, resulting in a fundamentally enhanced customer experience.

Current driver-signaller radio communications in Poland already rely partly on GSM-R, but largely still on analogue radio networks which have limited functionality and are expensive to maintain. GSM-R will deliver the foundations for a digitally enabled railway network that can keep pace with industry developments such as ERTMS (European Rail Traffic Management System) and ETCS (European Train Control System). The project will enable Poland's state-owned railways group PKP to enhance the reliability and safety of countrywide railway operations.

Poland will become one of the first customers to use the latest release of Frequentis' fixed terminal rail communication system, FTS 3020, featuring the new DICORA S20 operator working position with touch screen and new AudioHub, together with the DIVOS recording solution for the legal recording of all calls and data over the entire GSM-R network, including geographical redundancy thanks to the locations of the Core Nodes. The FTS 3020 Dispatch Network for PLK will be one of the most modern and, with 1600 operator working positions once the roll-out is completed, also one of the largest in the world.

“Working on this project is certainly a leap forward in our goal to provide more software centric solutions and underlines our leading position in fixed terminal systems for railways. The first phase of the network, the Core Nodes and equipping the first lines with GSM-R is planned for end of 2019 and we

are looking forward to working with PKP on this implementation.”, says Thomas Karl, Vice President Public Transport, Frequentis AG.

### **About FREQUENTIS**

Frequentis is an international supplier of communication and information systems for control centres with safety-critical tasks. These control centre solutions are developed and distributed by Frequentis in the business segments Air Traffic Management (civil and military air traffic control, and air defence) and Public Safety & Transport (police, fire and rescue services, emergency medical services, vessel traffic and railways). Frequentis maintains a worldwide network of subsidiaries and local representatives in more than fifty countries. The company's products and solutions are behind more than 25,000 operator positions in over 130 countries. With this extensive portfolio, Frequentis is the leading provider of voice communication systems... all making our world a safer place every day!

For more information, please visit [www.frequentis.com](http://www.frequentis.com)

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