

# Frequentis

## Future Made in Austria

### A New Era in Railway Communications with Frequentis



*Dispatcher at work in rail control centre Laubenbachmühle*

In times where technological evolution is constant and the need for adaptability is more critical than ever, Frequentis as the global market leader for GSM-R dispatcher solutions, has recently introduced its Operation Communication Manager (OCM).

Markus Myslivec, Head of Public Transport Solutions at Frequentis gives insights into the solution and how Frequentis contributes to the digital transformation of railway communication.

#### **Railway-News: What makes the Operations Communication Manager (OCM) a novelty and how does it support major railways globally?**

**Markus Myslivec:** With OCM, we are providing railway operators with a solution that bridges current technology with future demands. OCM is a hardware-independent, web-based application, ensuring compatibility with various devices, including desktops, tablets and smartphones. It supports both the existing GSM-R system and the Future Railway Mobile Communication System (FRMCS), making it a truly future-proof solution with full backward compatibility.



Adaptable OCM user interface on various devices

### RN: What makes it special compared to traditional systems?

**MM:** Traditional railway communication systems often have rigid structures that limit adaptability. OCM, on the other hand, offers a customisable user interface with the OCM layout editor. Operators can configure layouts, themes and functionalities to match their workflow, resulting in a more intuitive and customer specific HMI.

### RN: How does this enhance operational efficiency for railway operators?

**MM:** The OCM streamlines operations by offering a high degree of user accessibility and security. It integrates with identity and access management (IAM) systems, ensuring only authorised personnel can access critical communication channels. Additionally, its widget-based system allows operators to integrate GIS mapping, CCTV feeds and real-time notifications, improving situational awareness and decision-making.

### RN: Frequentis is also contributing to the modernisation of railway communication through various projects beyond OCM. Can you mention one?

**MM:** Sure, most recently in our collaboration with Lower Austrian Transport Company (NÖVOG), a mission-critical services (MCX) solution was implemented for Schneebergbahn, a historic tourist railway. This project focused on ensuring secure

and seamless communication over public networks, replacing an aging system with a more advanced, future-ready alternative. The end-to-end solution included applications for mobile devices, dispatcher workstations and backend infrastructure, all based on the 3GPP standard for mission-critical services.

### RN: In what ways does this expand digital rail communication and support them on their route to FRMCS?

**MM:** The NÖVOG project showcases Frequentis' broader capability in developing and integrating mission-critical communication infrastructure for railway operations of varying scale. It also highlights how scalable, IP-based technologies can be successfully deployed in real-world environments – including remote and mountainous terrain – to improve both safety and operational

*"This is the first time ever that an MCX solution is implemented exclusively for railway operations in Austria. The new communication solution enhances our operational efficiency and revolutionises the way we manage critical communication tasks. We are thrilled to collaborate with Frequentis on this lighthouse project,"*

**Philipp Hammerl, Head of Technical Operations Management, Niederösterreichische Verkehrsorganisationsgesellschaft (NÖVOG)**



effectiveness. Experiences like this support the rail sector's shift towards modern, standardised and secure communication platforms.

### RN: What does the future hold for railway communication and how is Frequentis shaping this evolution?

**MM:** The future of railway communication is all about adaptability, security and scalability. With OCM, we are addressing exactly these needs. Our involvement in innovation-driven projects ensures that we continue shaping next-generation control room solutions, making railway communications more efficient and resilient. Frequentis actively contributes to major standardisation bodies such Europe's Rail Joint Undertaking and UNITEL UNIFE preparing Europe's Rail for the successful introduction of the Future Railway Mobile Communication System.



From left to right: Dominik Wanzenböck/Schneeberg Railway and Philip Hammerl, Niederösterreichische Verkehrsorganisationsgesellschaft (NÖVOG) with Frequentis Project Lead Johann Theiler

*"Schneeberg railway is pleased to be part of this pioneering project. The new solution not only improved voice quality of the announcements tremendously, but also streamlined our workflows. The dispatchers can make announcements directly to the passenger cabin and our staff outside the train can talk to the train drivers via the system."*

**Dominik Wanzenböck, Technical Manager  
Schneebergbahn**

### Markus Myslivec, Head of Public Transport Solutions at Frequentis



Markus has a long history in railway communications, ranging from software development for GSM-R mobile terminals to technical leadership in fixed line operational communication projects. He also represents Frequentis within major standardisation bodies, UNITEL committee of UNIFE and UIC working groups.

## About Frequentis

Frequentis is an international supplier of communication and information systems for control centres with safety-critical tasks, leveraging 75 years of cross-domain experience in aviation, defence and transport. The company also holds the number one market share in GSM-R dispatcher terminal positions; more than 10,000 units have been delivered to customer control centres in over 25 countries. Railway customers include UK Network Rail, German Rail (DB Deutsche Bahn), Swiss Federal Railways (SBB), Austrian ÖBB and Wiener Linien, and Australian Sydney Trains.

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



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