Selected references

Public Transport communication and information solutions

Public Transport

FREQUENTIS
FOR A SAFER WORLD

Public Transport selected references

Frequentis Public Transport, leader in control centre communication and information systems, is committed to addressing the diverse needs of railway and public transport organisations. With more than 10,000 control room working positions deployed worldwide, including 7 out of Europe's 10 largest rail networks, Frequentis is at the forefront of railway communication technology. Our goal is to empower operators to concentrate on their vital tasks in dispatching, control, and incident management, and not on technology.

Network Rail, United Kingdom
A complete nationwide GSM-R Fixed Terminal System (FTS) with over 900 DICORA dispatcher terminals deployed.
It includes a special redundancy solution with geographically separated central switches, an IP-based train describer system for eLDA, IN integration, train and mobile lists, alphanumeric functional numbering, as well as a unique UK specific operational feature set.

Väylävirasto, Finland
Finnish Transport Infrastructure Agency selected Frequentis to implement the first bearer-independent communication platform for railway communication in Europe called URCA (Unified Railway Communication and Application). The end-to-end solution uses the Finnish authorities' telecommunications network VIRVE based on TETRA, as well as public mobile networks.

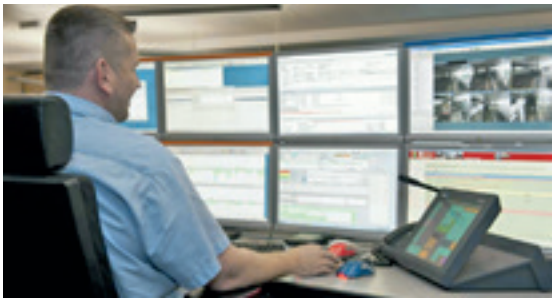
SBB, Switzerland
The nationwide geo-redundant GSM-R FTS solution, operational since 2006, ensures interoperability with existing infrastructure (including the radio shun-ting). The service agreement comprises fixed terminals with an advanced role management system. In 2024, the contract to deliver the successor system, featuring up to 740 DICORA working positions aligned with the FRMCS architecture, was awarded.

Irish Railways, Ireland
Integrated Communications System designed, manufactured, and installed for the Control Centre Dublin based on the FTS 3020 communication platform with 45 DICORAs. This includes integrating analogue radio UIC 751-3 and line side telephony, as well as business and administrative telephony. The implementation removes the need for diverse operator terminals, thus improving services, reducing costs and paving the way for the introduction of a new GSM-R train radio system.

Bane NOR, Norway
Complete, tailor-made nationwide GSM-R FTS, for the National Rail Administration.
The solution enables geo-redundancy through load sharing and interfaces with three different train describer systems for eLDA.

DB, Germany
First nationwide GSM-R implementation in Europe, deploying 2,400 DICORAs. Frequentis subsequently contracted for system renewal with load sharing. The project also involves the world's first implementation of the standardised SIP-R (ETSI TS 103 389) architecture between NSS and FTS.

SNCF, France
Frequentis is delivering a comprehensive nationwide solution for SNCF, centred around a customised Fixed Terminal System (FTS) and supported by deployment and lifetime services. The project, known as Fercom, marks a critical transition towards the Future Railway Mobile Communication System (FRMCS). The scope includes five hardware environments, a georedundant production system, approximately 4,000 DICORA fixed terminals, and up to 50,000 FTS 3020-BIC applications.



ÖBB, Austria
As part of ÖBB´s strategic program to centralise their traffic management into five regional and one central control centre, Frequentis delivered an Incident Management System that streamlines roles, responsibilities and communication within a larger control area. It also processes changes to the operational incident management procedure, while also taking into account local characteristics and capabilities of persons. Used by more than 1,500 employees, the solution addresses the needs of crisis situations and operational, infrastructure and security incidents, while satisfying reporting requirements to the ERA.

RFI, Italy
DICORA wireless terminals in control centres and stations along Italian railway lines to communicate with users on the GSM-R network.

BDK, Denmark
GSM-R FTS 3020 with 118 DICORA dispatcher terminals and eLDA, as well as integration with BDK´s Traffic Management System.

PLK, Poland
A leap forward as Frequentis moves towards software centric solutions. This national GSM-R rollout, with over 1,500 working positions, sees all core software of the geo-redundant FTS-3020 and DIVOS recording of all calls. Also, the data in the network distributed on a common IT platform, with the AudioHubs for the DICORA terminals being the only hardware delivered by Frequentis.

Wiener Linien, Austria
Wiener Linien serves over two million passengers daily, managing 3,000 enquiries across 63 radio workplaces. Frequentis equipped its control centres with the FTS 3020 system with 100+ DICORA dispatcher terminals including geo-redundant core nodes for high system availability. The system supports public mobile, TETRA, and analogue radio networks. The FTS 3020 provides specific features like driverless subway operations and passenger information.

MAV, Hungary
Geo-redundant GSM-R FTS 3020 with SIP/IP terminal implementation for more than 420 DICORA fixed terminals covering 2,000 km of Hungarian State Railways' main lines.

CFL, Luxembourg
The Incident Management System implemented at the Société Nationale des Chemins de Fer Luxembourgeois helps incident managers re-establish operational functionality during infrastructure failures by allowing them to efficiently coordinate maintenance crews and related tasks according to defined responsibilities.

Sydney Trains, Australia
Beyond being Australia's largest passenger rail network, Sydney Trains handles more than 25k incidents and emergencies per year. Therefore, Frequentis is delivering both operational communication and incident management solutions. The project contains geo-redundant GSM-R FTS 3020 for the digital train radio and Rail Emergency Management (REM) system to centralise incident management, providing real-time information, and improving communication among staff to expedite incident resolution and reduce delays for customers.

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