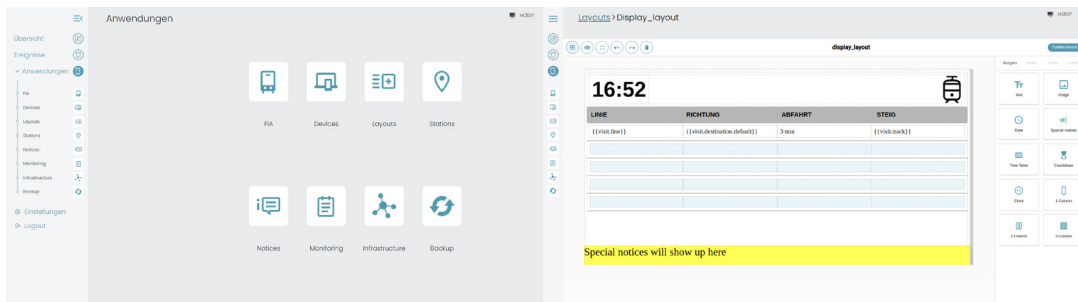


Use Case: Public Transport Display Control System

MOBILITY PLATFORM



Heterogeneous and rapidly changing requirements demand a more flexible system landscape that can be constantly adapted to new challenges. This is why Funkwerk Systems has developed the Mobility Platform. The open platform, which can be expanded via interfaces, can be adapted in a modular and flexible manner. In the future, this will enable you to implement use cases not only in the area of mainline railways, but also in the areas of public transport and smart cities!

USE CASE PUBLIC TRANSPORT

» Problem:

- » Distribute the right content from different sources to the right devices at the right time.

» Solution:

- » Simple creation of devices
- » Assignment to logical groups for uniform allocation of information
- » Connection of external data sources via available or specially developed plug-ins
- » Create attractive layouts based on your corporate identity and corporate design.
- » Assigning layouts to displays and groups

HIGHLIGHTS

- » Central management, configuration and monitoring of all connected devices
- » Simple distribution of content on the basis of intelligent groups
- » Simple integration of a wide range of data suppliers (data recorders, AVLs, others).
- » Intuitive design of the display layouts using a WYSIWYG-editor, including elements for the simple display of mobility information.
- » Intuitive user interfaces
- » Browser-based web application, no installation on operating computers necessary
- » Integrated user administration
- » Display - overview with digital map
- » A wide range of service and operating concepts
- » Data transfer to other systems for the implementation of further use cases

APPLICATION ÖPNV - BASIC INFO

Device management

- » Central management, configuration and monitoring of all connected devices
- » Creating and commissioning new units (recording technical data incl. position of the unit)
- » Configuration of unit functions (e.g. brightness control, display)
- » Decommissioning of units, e.g. for maintenance purposes.

Layout editor

Intuitive design of the display layouts using WYSIWYG-Editor incl. elements for the simple display of mobility information.

- » Free design of any layout for HTML-5 based displays.
- » Flexible arrangement of elements by means of drag & drop
- » available elements for the display of static and dynamic content
- » No previous knowledge of layout design is necessary.
- » Layout templates for direct use
- » Use of own graphic elements (e.g. PNG, JPG, SVG)

User administration

- » Connection to existing Active Directory possible
- » Rights and role administration on a user and group basis

Monitoring

- » Monitoring of all connected devices and interfaces under one interface
- » Map-supported display of all connected devices incl. status
- » Intelligent alarms configurable via integrated rule engine
- » Connection of peripheral systems via various interfaces (SNMP, MQTT, HTTP, CoAP, OPC-UA, ...)
- » Automated reporting based on dashboards
- » Individual dashboards possible

TECHNICAL DATA

Interface integrations	HAFAS, SIRI, VDV, GTFS, etc.
Display formats	HTML-5 (others on request)
Display resolutions	FHD / 4k, scalable
Monitoring/ alerting	MQTT, SNMP
Content Management	integrable
System requirements	Server / System: Linux based on-premise deployment System-Requirements: HTML-5 - capable web browser
