funkwerk))) ecosystem

Lightgate | DB

ADVANTAGES

- precise scheduling and operational control

- early detection of conflicts and bottlenecks in train movements

- higher operating sequences, shorter stopping times

FEATURES
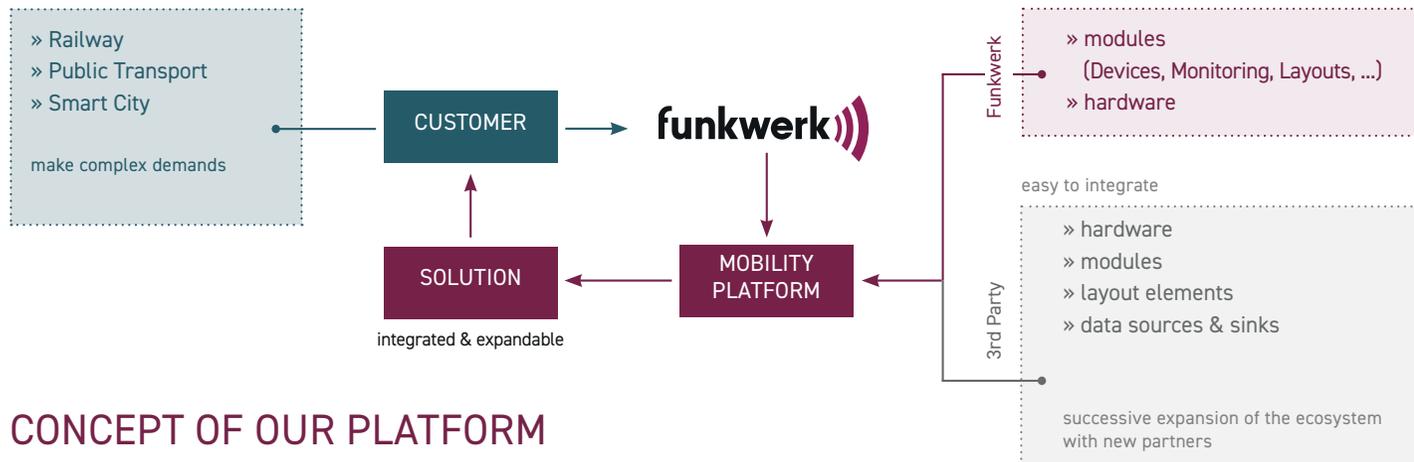
» integration of infrastructure-based sensor data from DB Lightgate into the Funkwerk Mobility Platform

» Funkwerk Mobility Platform links data with the corresponding train number, next stop and associated station track and recognises the train set automaticly

» occupancy measurement on the track, vehicle-independent

» wireless, real-time data transmission

» displays on the platform show the occupancy rate, making it easier to locate available space

ABOUT

The DB Lightgate system records train occupancy in real time directly at the station exit using optical sensors on the track. Depending on the occupancy, different amounts of light reach the sensor, enabling accurate determination of carriage occupancy.

The data is transmitted wirelessly and in real time to the Lightgate server. There, the system calculates the occupancy per carriage and transmits the results directly to the passenger information system.

CATEGORY   Data

INTEGRATION TYPE

< > Data

CONCEPT OF OUR PLATFORM

» Railway
» Public Transport
» Smart City

make complex demands

CUSTOMER → funkwerk)))

MOBILITY PLATFORM

SOLUTION

integrated & expandable

Funkwerk
» modules
  (Devices, Monitoring, Layouts, ...)
» hardware

easy to integrate

3rd Party
» hardware
» modules
» layout elements
» data sources & sinks

successive expansion of the ecosystem with new partners