

The Challenge – How to manage growth and re-establish punctuality on highly utilized core lines



That is why we cannot continue as before ...

Traffic volumes increase

Never before have more passengers and goods been carried on our network



Investment backlog

Underfunded infrastructure and outdated assets continue to reduce performance and usable capacity of the highly utilized network



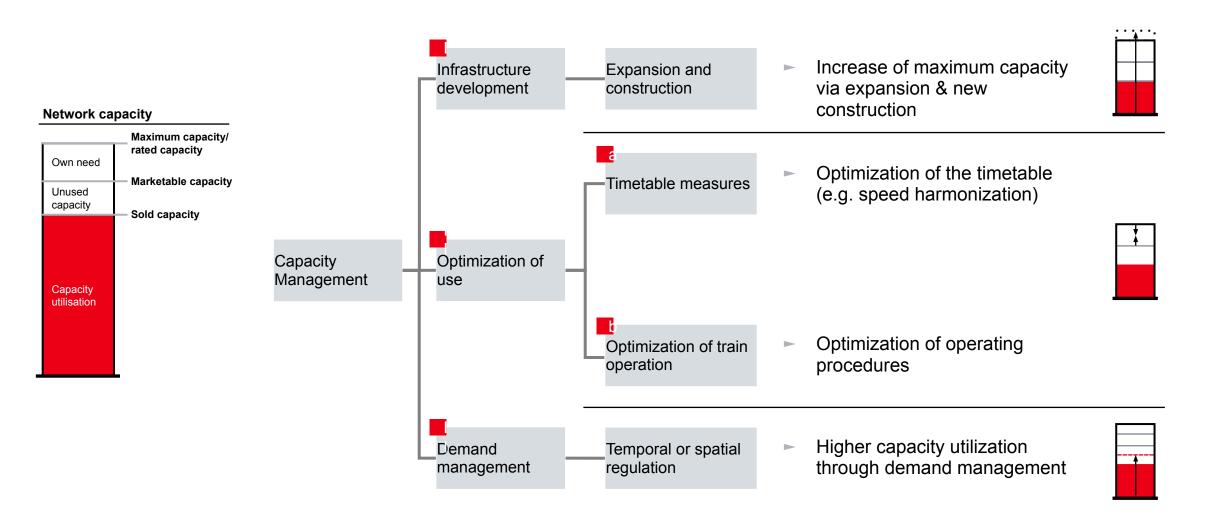
Punctuality too low

Quality problems are already clearly noticeable with punctuality levels around 60%



Influencing aspects for capacity management



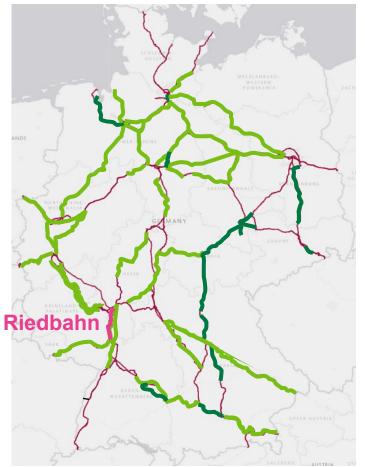


To achieve the High Performance Network will be a general renovation of 4.200 km resulting in substantial benefits



Infrastructure development

Expansion and construction



High Performance Network 2030 [in line km]



Fault-resistant assets ensure a reliable infrastructure. Customers achieve an increased punctuality

Optimal equipment and layout standards increase the **performance** of infrastructure

The **customer experience** will be improved through attractive and barrier-free stations

 Additional projects to increase the capacity

Use of diesel locomotives for diversions over non-electrified lines to increase the usable capacity for freight trains





Idea

DB Netz provides diesel locomotives incl. train drivers as part of the general renovation work, which can be used to reroute rail freight trains over non-electrified lines. In addition, these diesel locomotives can be used at short notice in the event of major disruptions or accidents.



Benefit

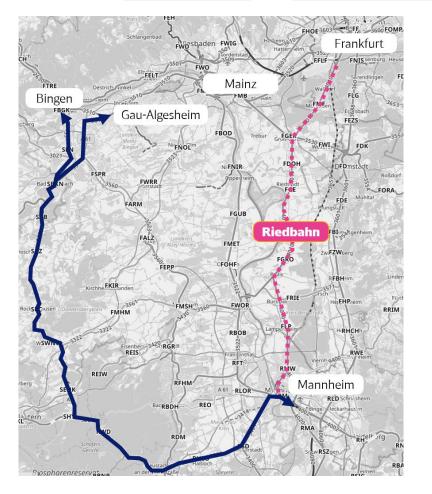
Additional capacities can be made available for the handling of rail freight traffic. This is done both in the context of construction site planning and in the handling of operations.



Timeline

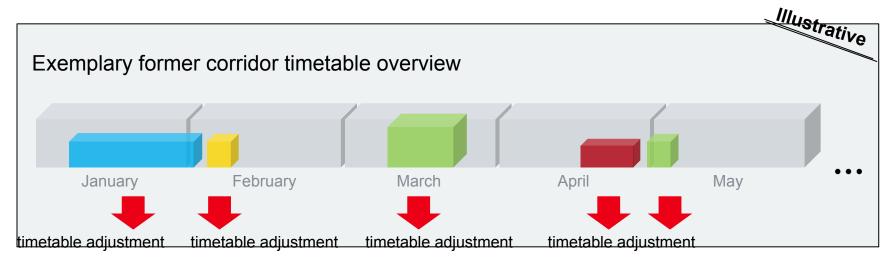
First implementation in 2024 for the 5-month closure of the Frankfurt - Mannheim line.

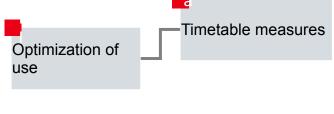




Corridors will be plannend with regular, demand-oriented construction container for bundled construction measures



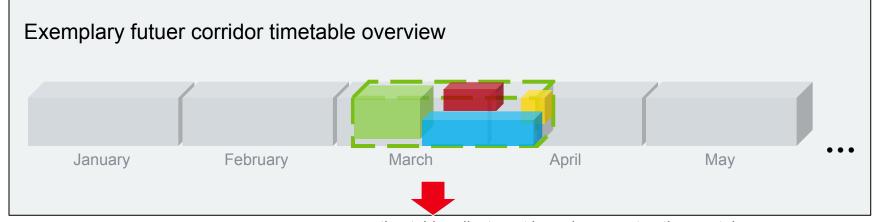




Away from individual

Construction measures

- Short-term
- Isolated
- Small-scale planning



timetable adjustment based on construction container

Towards ... Construction Containers

- pre-plannend and secured closure window
- Taken into account in the timetable

DB Netz AG has developed a new concept for holding capacity reserves for GelV (occasional traffic) and consulted with the market





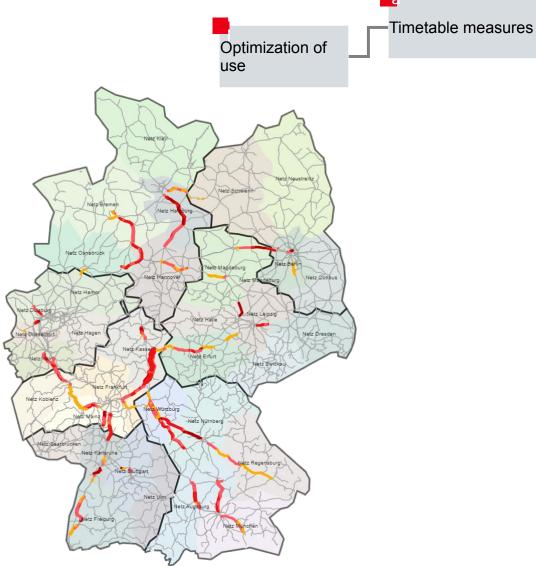
Management Summary



Section 56 (3) of the German Railway
Regulation Act (ERegG) stipulates that the
track infrastructure operator must check
whether capacity reserves for occasional
traffic are to be kept available within the
annual timetable

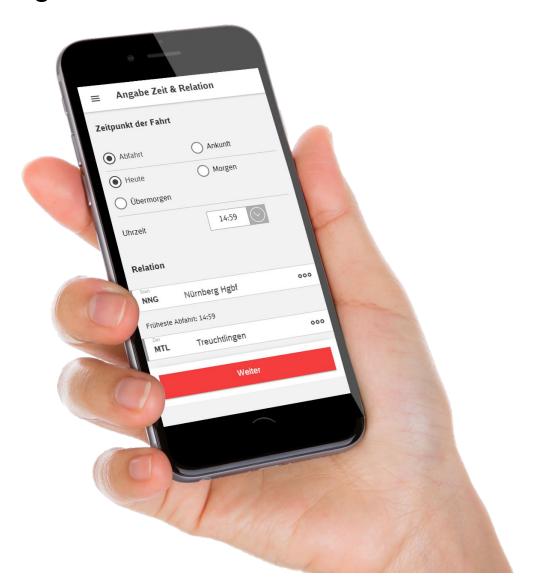


- Solution concept developed in three steps and presented at market consultation on 26 January 2023
- Determination of the need in the ad hoc traffic (lines and amount of capacity)
- 2. The capacities planned for the provision of occasional services in the working timetable 2024 have been published on the website since 02.03.2023
- 3. Maintaining these capacity reserves in the annual timetable 2024



Click&Ride for ad hoc train path requests optimizes the available capacity for freight trains





- Optimization of use
- Click&Ride is the new way to order train paths for rail freight transport quickly and easily from 21 days and up to 45 minutes before departure
- Train path offer within a maximum of 3 minutes instead of the previous maximum of 48 hours
- Applications: Standard goods train for spontaneous drives, dangerous goods, container trains or transfers of traction units or maintenance vehicles
- Full operation of Click&Ride since the timetable change in December 2019, about 1.000.000 train paths plannend and sold fully automatically
- Degree of automation of 45-60% of incoming orders in the intra-year timetable

