



InfraGO

General Renovation of High Performance Network

From the idea to the realisation of the first corridor Riedbahn

DB InfraGO AG | General Renovation of High Performance Network | InnoTrans Berlin | 24th – 27th September 2024

Bahnsinn Riedbahn.



The Challenge – How to manage growth and re-establish punctuality on highly utilized and worn out 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Underfunded infrastructure and outdated assets continue to reduce performance and usable capacity of the highly utilized network.



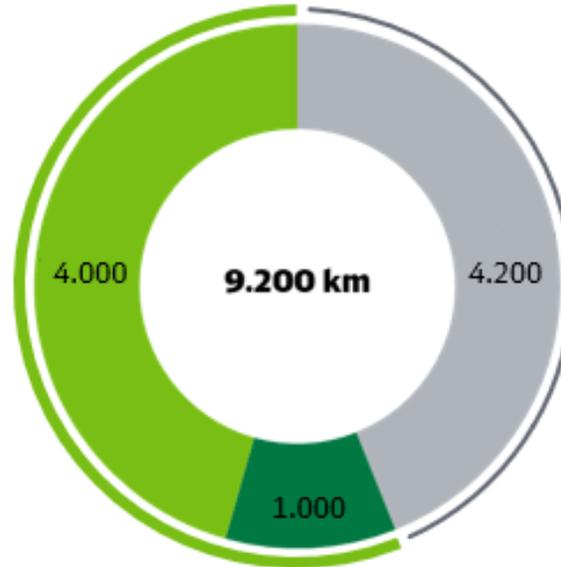
Punctuality at record low

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



General renovation of over 4,000 kilometers

The future High Performance Network [in line km]



- General renovation
- In good condition
- Focused asset renewals



According to routes named in BSWAG

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**

Planability for customers - General renovation will be followed by a years **free of construction-related closures**

General renovation – a new approach in many ways

Current practice

General renovation



Construction works

Many minor construction activities



One 5 months long construction

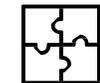


Operations

Reduction of single-track operations



Full closure – no operation

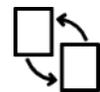


Assets

Focus on one asset category



All asset categories at the same time



Renewal

1:1 replacement



Improved assets and layout



Schedule

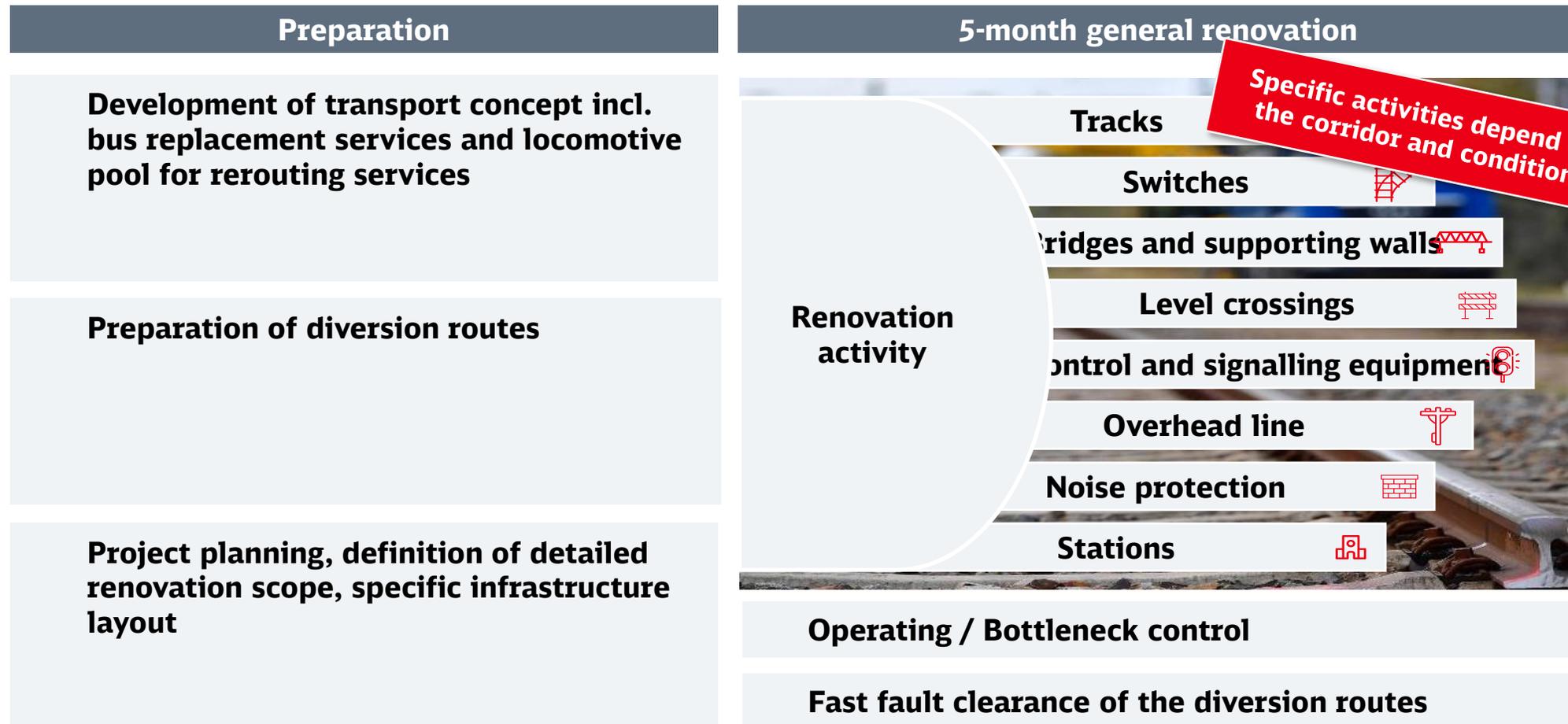
Tendency to be instable



Stable schedule concept

A General Renovation includes the following key activities

Contents / activities of a General Renovation

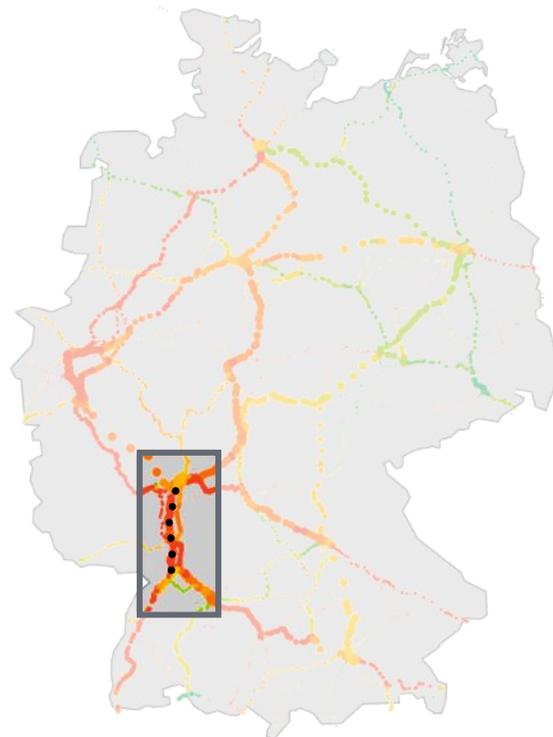


The first step is the general renovation of the Riedbahn

The heavily used Riedbahn ...

One of the **busiest mixed lines** with a **high network effect**

Disruption-prone infrastructure and **outdated** stations



Punctuality profile DB Fernverkehr
[-] Delay  [+] Delay

... is being extensively renovated and modernized



Renewal of interlocking technology

Anchor measure already planned for 2024



Bringing forward construction measures from subsequent years

All trades and measures 2025-2029



Modernization of all stations

Attractiveness and accessibility



Performance-enhancing measures, including Extension of crossovers and introduction of European Train Control System

In five months, the control and safety technology, superstructure and noise barriers will be renewed and 20 stations modernized

General renovation of the Riedbahn combines renewal and construction of

...



1,200 control units for new electronic interlocking

4,000 balises for ETCS level 2

117 track kilometers

152 switches

1 discontinued level crossing

1 level crossing replaced by railway overpass

4 renewed level crossings

3 crossovers

140 contact wire kilometers

16,000 meters of noise barrier

20 station upgrades



*Network status grade 2022 over all units

High-performance replacement concepts minimize the impact for long-distance, regional and freight transport

Riedbahn transport concepts



- Rerouting of **long-distance traffic** with **30-minute journey time extension**
- **Pilot for bus services** Mannheim-Frankfurt Airport in January



- Significant **adjustment** in local transport services on **parallel routes**

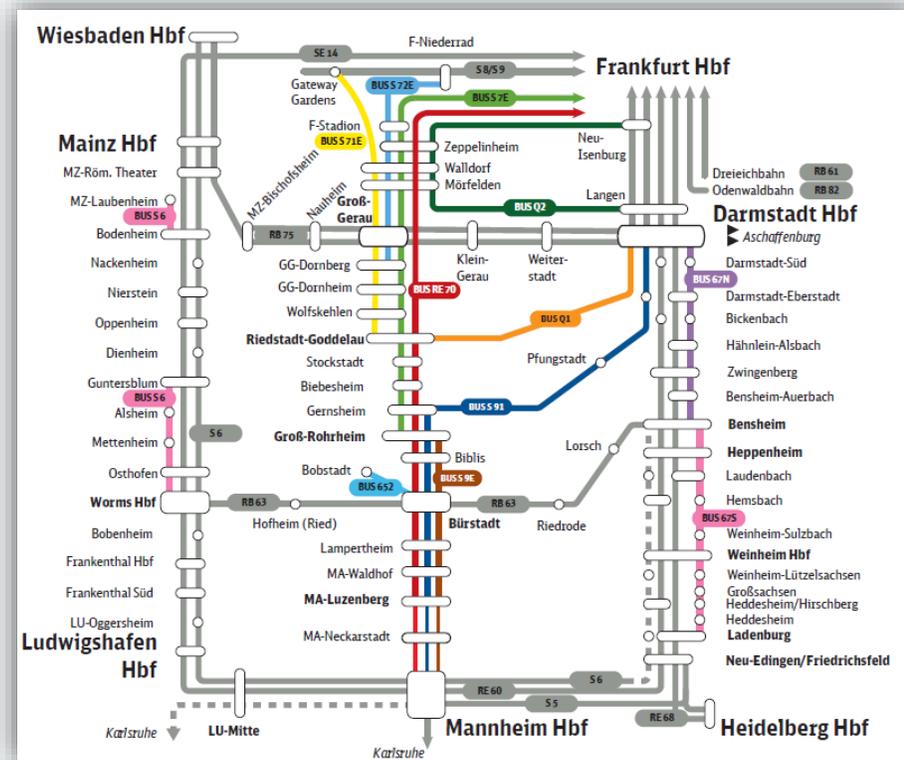


- **High-quality, innovative replacement service** with 150 buses and >1,000 trips per day



- **Freight traffic** is **rerouted** via near rerouting lines
- **Supplementary diesel shuttle** via Alsenzbahn from July to increase capacity

Local transport concept developed together with local transport authorities



Current focus: clarification of financing, Riedbahn pilot project and preparation for rollout



Financing

- **Secure funding:** LuFV III supplement (2024) and funding (2025 and following)
- **Eligibility for funding replacement** transports according to BSWAG amendment since mid-June, **definition of details ongoing**



Riedbahn pilot project

- **Close monitoring (traffic and construction), readjustment if necessary**
- Maintaining **information for residents and citizens**
- Quality Maintenance of the information content of **external communication** (deutschebahn.com/de/konzern/Aktuelles/Ried-Feed-Neues-von-der-Riedbahn-12953914, dbinfrago.com/web/unternehmen/zielbild-infrastruktur/hochleistungsnetz)



Rollout

- Planning of general renovation Hamburg – Berlin 2025, coordination of traffic for 2026 **corridors**
- **Continuing dialog formats**
- **Award contracts** (replacement services, control and safety technology and construction services)

A night-time photograph of a city skyline, likely Toronto, featuring the CN Tower. In the foreground, there are several railway tracks curving through the scene. The sky is a mix of dark blue and orange, suggesting dusk or dawn. The city lights are visible, and a blurred train is moving on the tracks to the right.

Thank you.