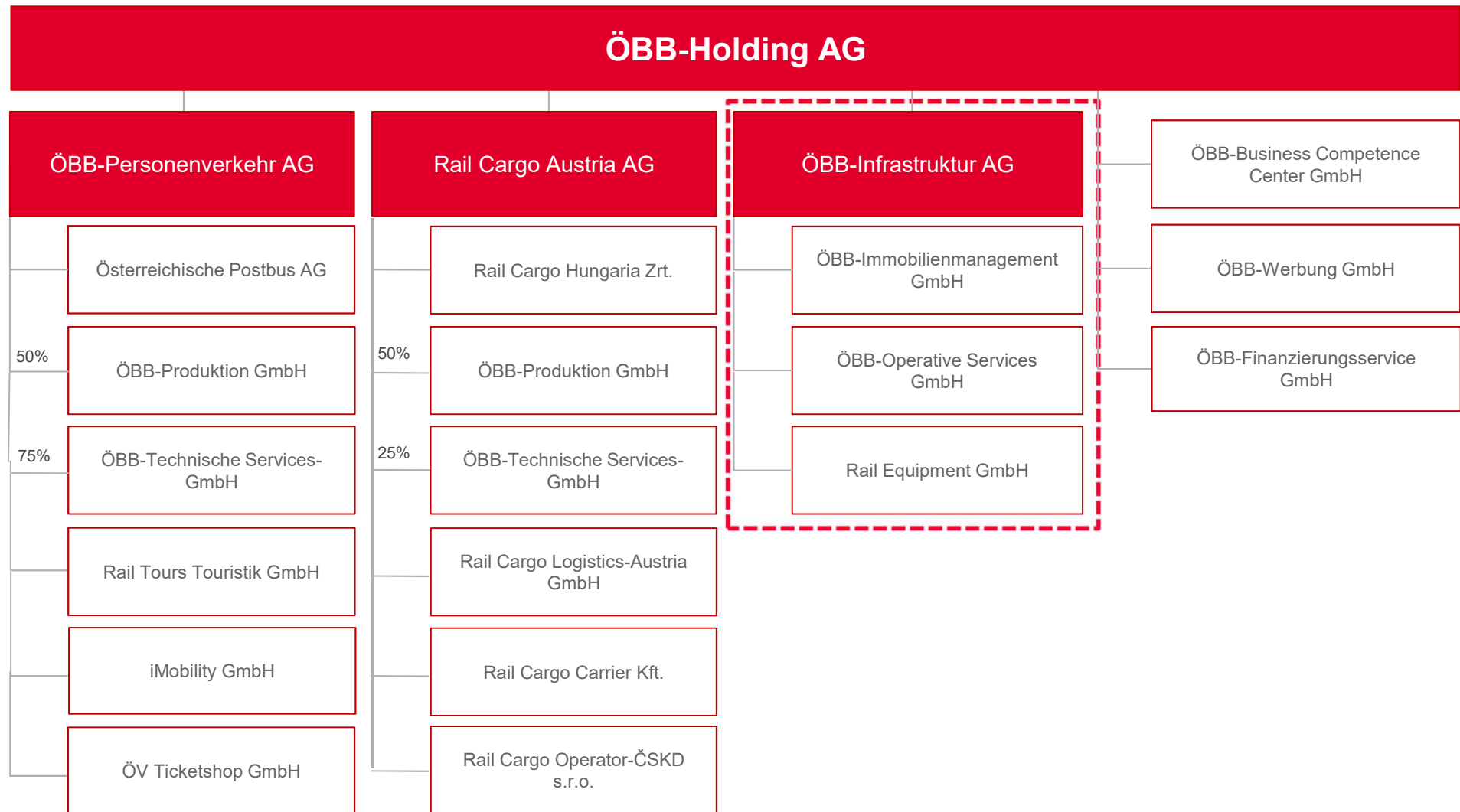


From strategy to projects and programs

Conference Kutná Hora
17.10.2024

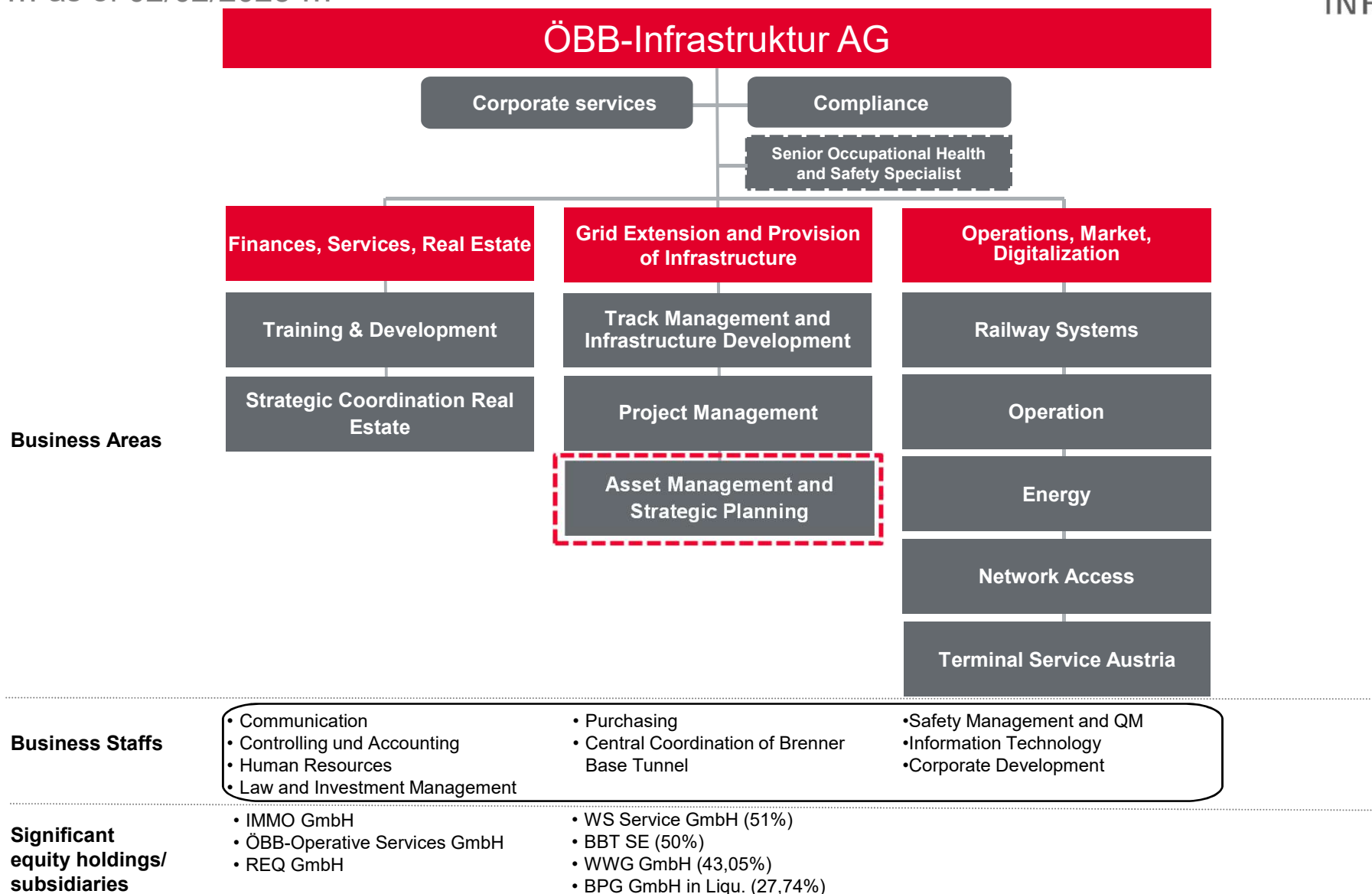
The ÖBB Group

... an integrated company ...



Structure of ÖBB-Infrastruktur AG

... as of 02/02/2023 ...



The „Asset-Management“

... from the strategy to infrastructure ...



Key facts ÖBB-Infra

... we plan, build, operate and maintain railway infrastructure ...



18,374
employees
(of which 1,766 apprentices)



6,375 trains daily
164 million
train kilometres per year

300 million
passengers (in trains)

1,033
stations and stops

Green electricity
Power from
8 hydroelectric power stations

4,935 kilometres
rail network

7 rail freight
terminals



67 railway companies
on the network

3,5 billion Euro*
investment each year

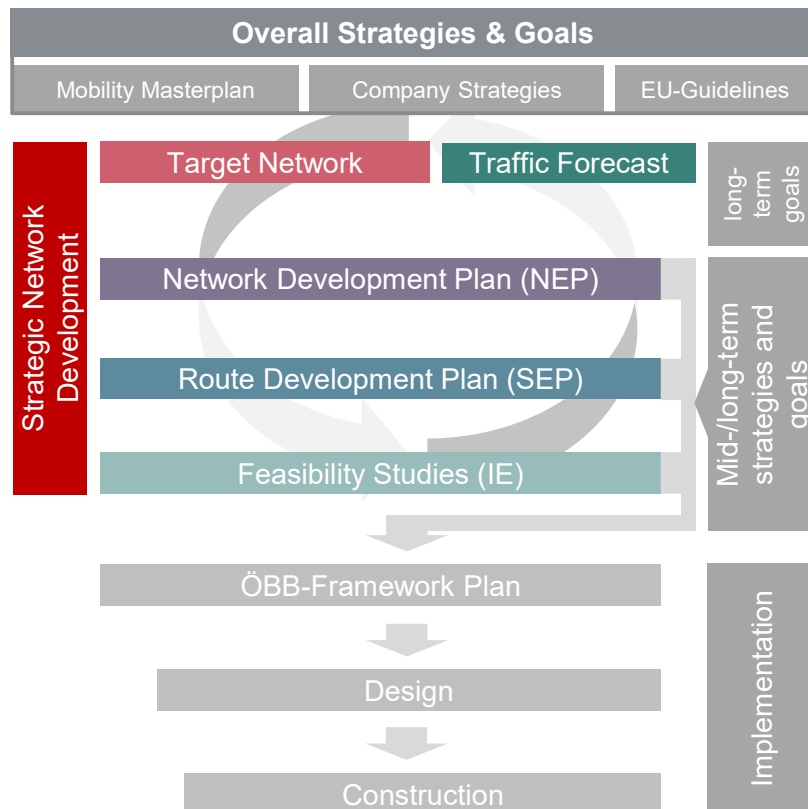
31 billion Euro
total assets

86,6 % of
passengers
PRM ready station access

~ 30 %
Modal split freight traffic

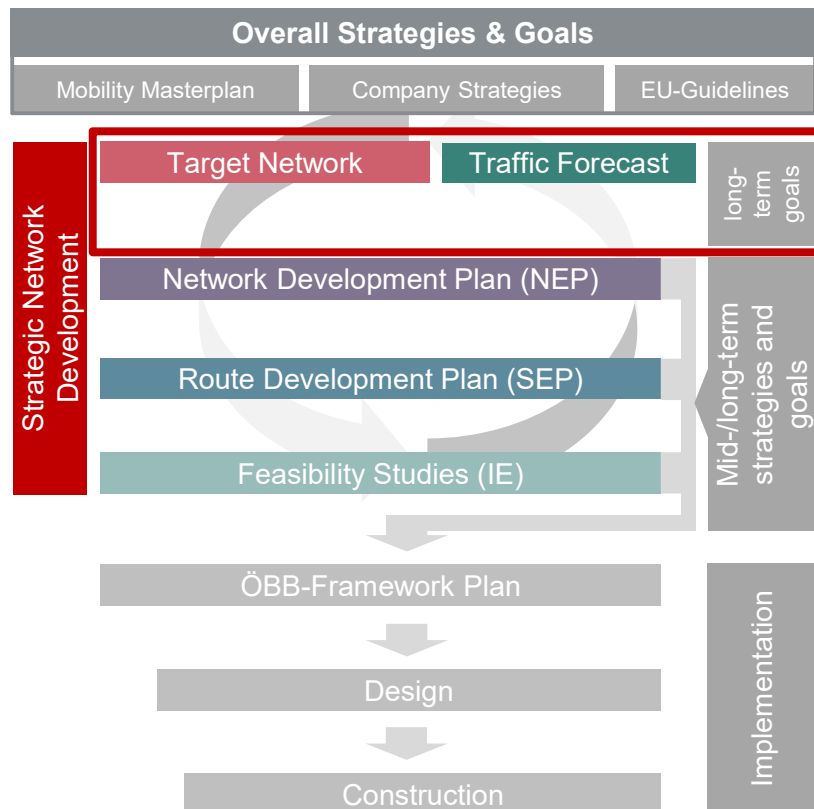
Strategic Network Development

... from visions to projects ...




Strategic Network Development

... from visions to projects ...




Target Network “Zielnetz 2040”

- Strategic network development of ÖBB-Infrastruktur AG is **derived from superior objectives**:
 - European guidelines
 - National transport policies (e.g. Austria’s mobility masterplan)
 - Corporate strategy of ÖBB-Infrastruktur AG
- The Target Network is intended to represent the **instrument for identifying and prioritising** expansion investments to achieve the objectives. It is developed by the Federal Ministry for Mobility and the infrastructure manager:






- It has been created in consultation with with different stakeholders in the railway sector:
 - Federal states and their transport associations
 - Railway undertakings and their interest groups
 - Ministries of transport of neighbouring countries
 - Additionally: public consultation



+100% Rail System Capacity
by 2040

Austria's 2030 Mobility Masterplan
European Green Deal

<https://www.bmk.gv.at/themen/mobilitaet/mobilitaetsmasterplan/mmp2030.html>

The new Target Network 2040 (Zielnetz 2040)

Goals and content

- The Target Network 2040 is intended to represent the **instrument for identifying and prioritising** expansion investments (new construction and expansion projects).
- The Target Network 2040 should contain a long-term **financing preview** for the expansion and basic investments for the railway network in Austria.

Points of emphasis



- **International connections:** Increasing the performance of international connections



- **Integrated timetable concept:** Further development of the integrated timetable and shortening of travel times



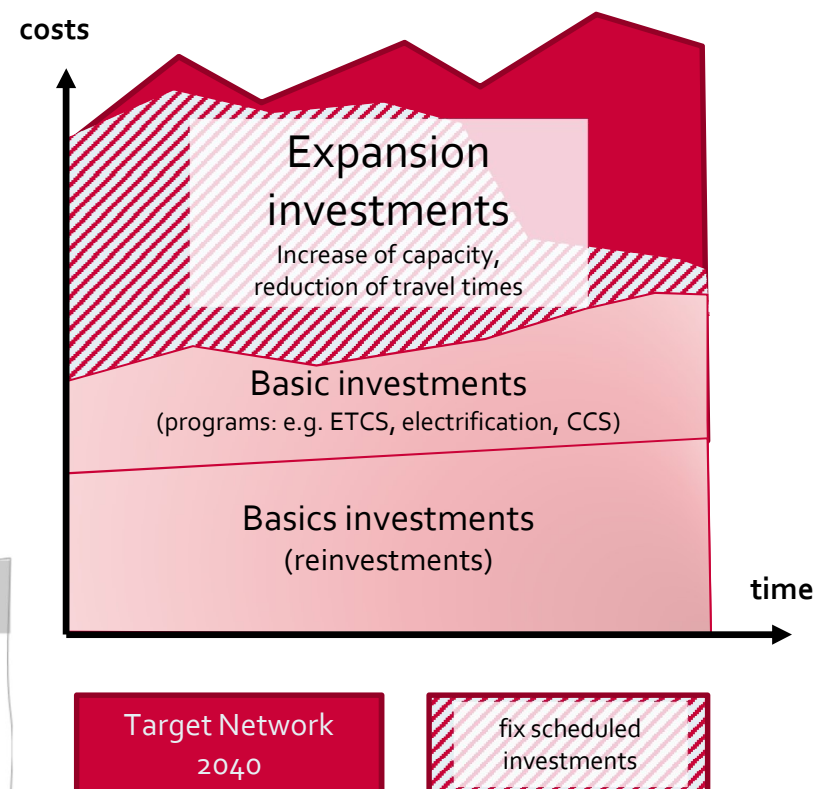
- **Rail freight transport:** Strengthening the competitiveness of rail freight transport



- **Metropolitan areas:** Service expansion in metropolitan areas and ensuring capacity



- **Regional transport:** Improving regional connectivity

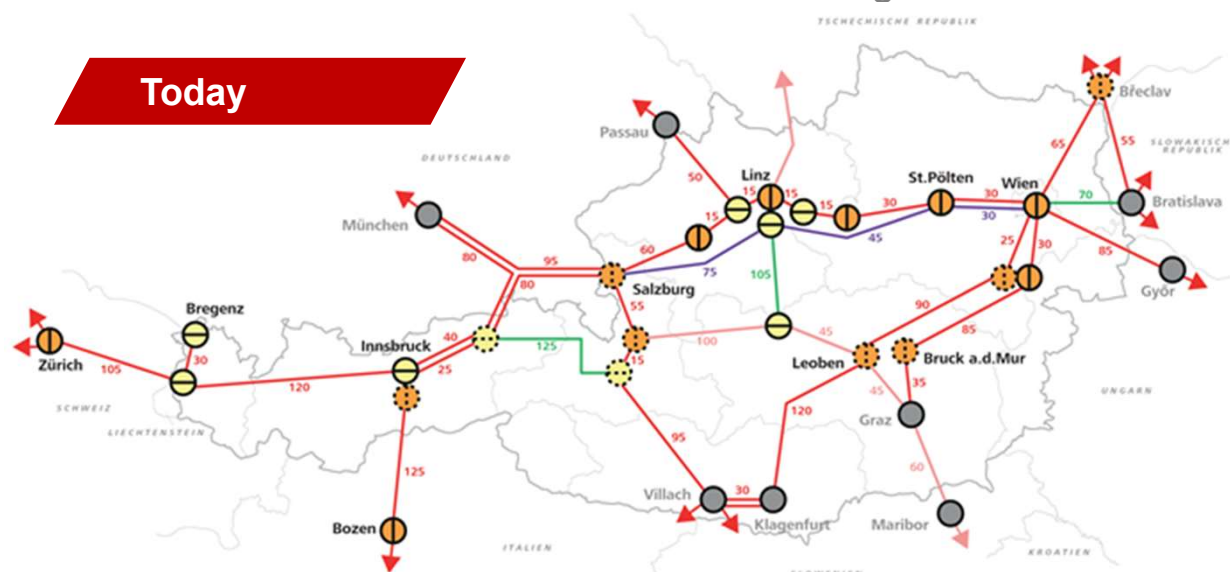


Link to the Target Network 2040

<https://infrastruktur.oebb.at/de/unternehmen/fuer-oesterreich/zukunft-bahn-zielnetz>

From market needs and potentials to the projects ... from a node-to-node model to an integrated timetable concept ...

Today



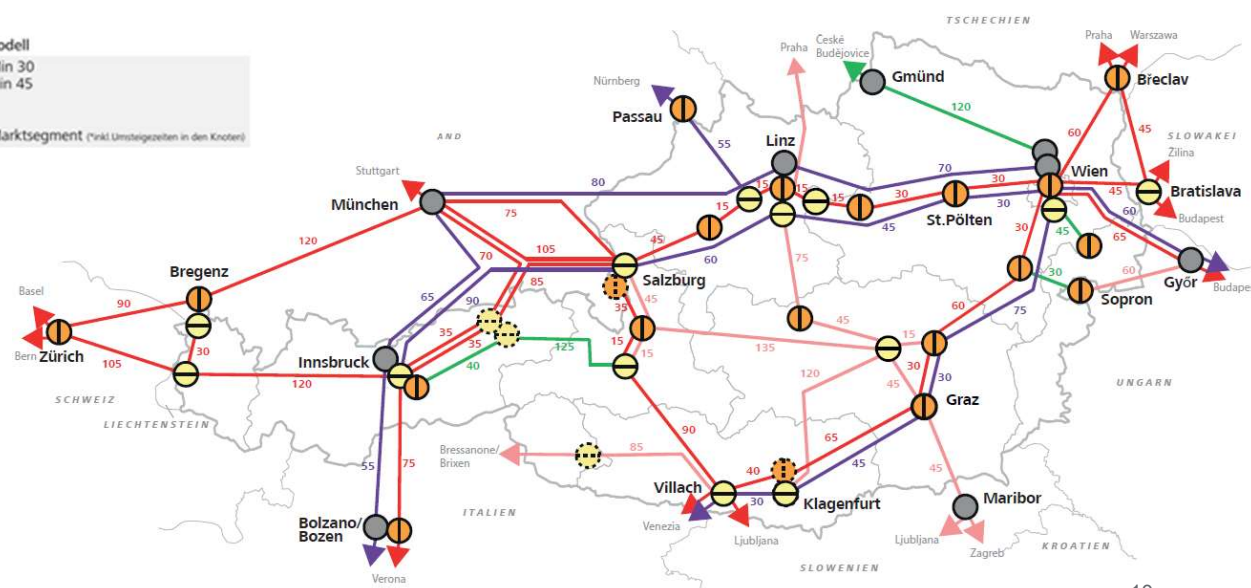
Marktsegmente für Trassensysteme des Personenverkehrs

- FVB Fernverkehr hochrangig beschleunigt
- FVH Fernverkehr hochrangig
- FVI Interregio
- SNV Schneller Nahverkehr

Erläuterung Knoten-Kanten-Modell

- Knoten Min 00 und/oder Min 30
- Knoten Min 15 und/oder Min 45
- Asymmetrischer Knoten
- Keine Knotenfunktion
- 30 Kantenfahrzeit* in Min je Marktsegment (*inkl. Umsteigezeiten in den Knoten)

Target 2040



From market needs and potentials to projects ... future services ...



Faster Connections



Integrated Timetable

Based on systematic train paths for freight and passenger

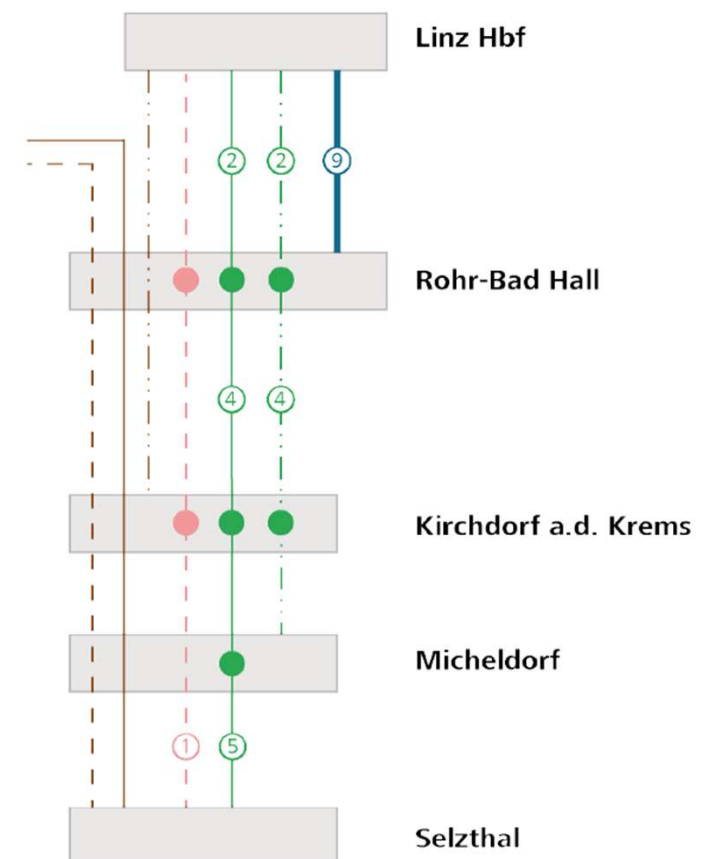


Mixed Traffic

Based and designed for standardized market segments

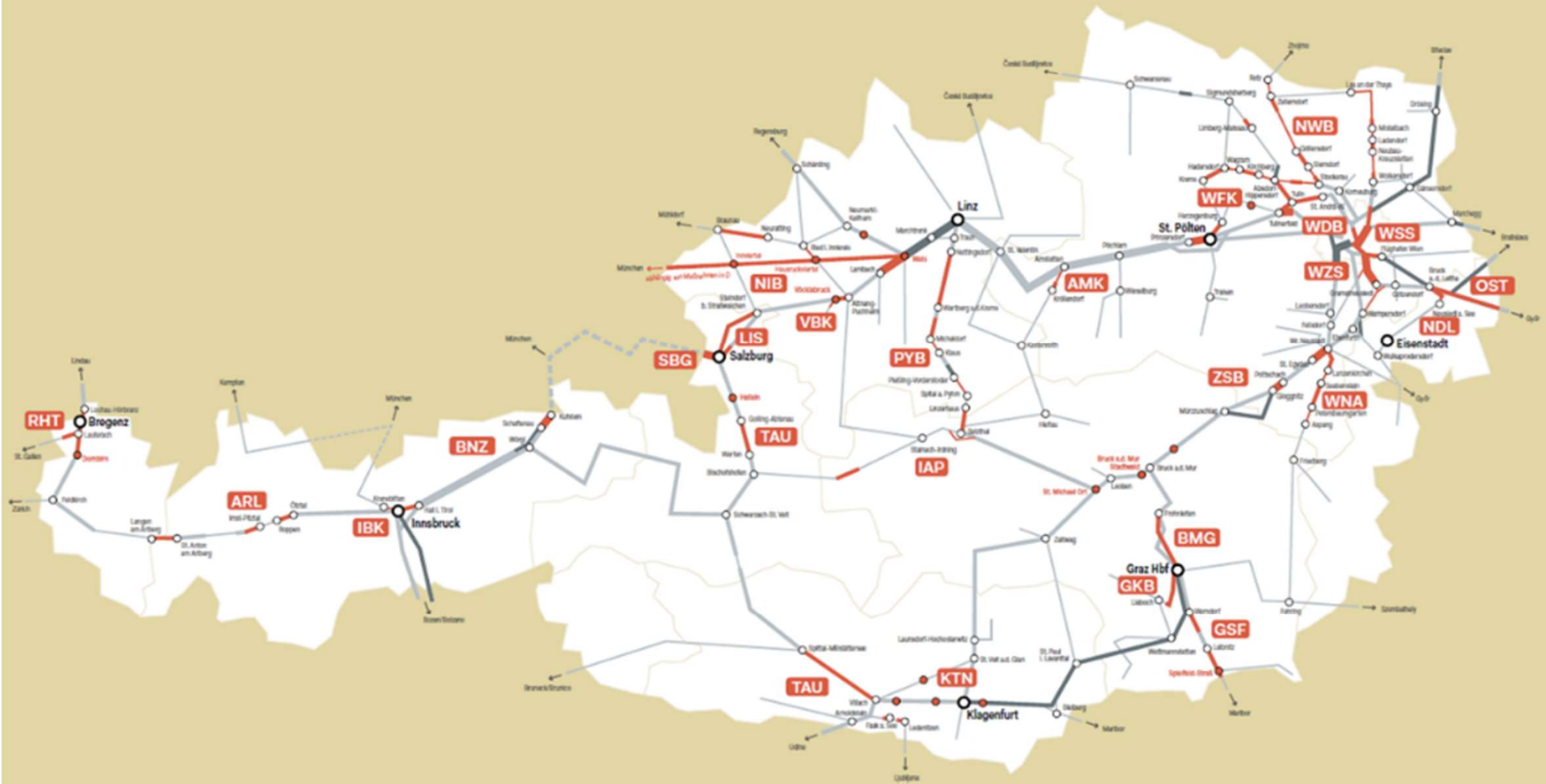
systematic train paths

*for long-term infrastructure development –
freight and passenger*



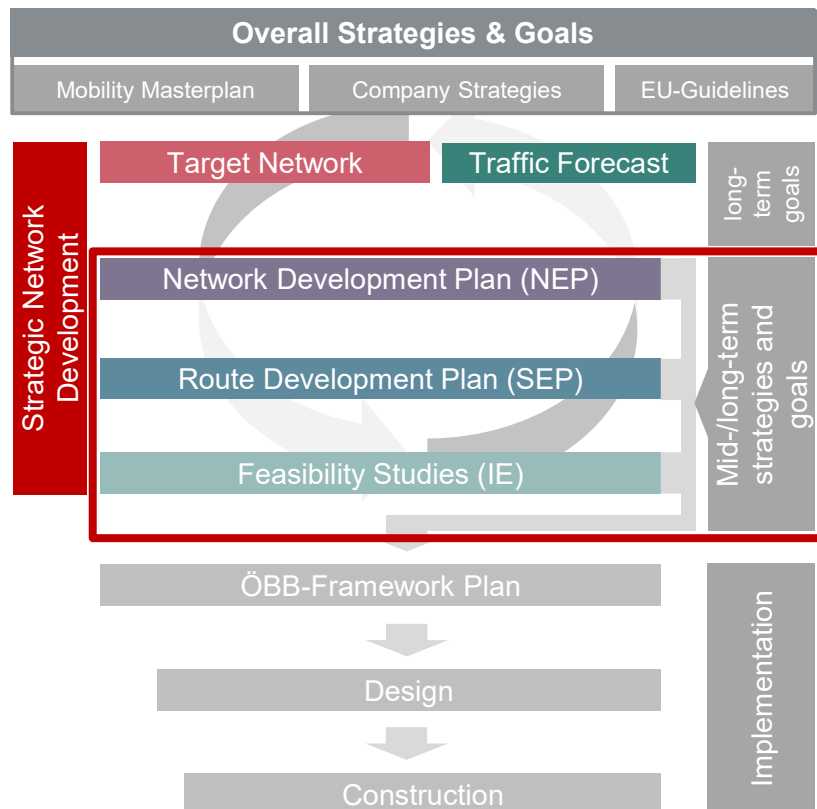
TARGET NETWORK 2040

ZIELNETZ
2040



Strategic Network Development

... from visions to projects ...



- **Excursion to interface SCK:** Coordination of Art. 55j Para. 1 Num. 1 EisbG
 - *Demands of Authorised Track Capacity Parties regarding maintenance and expansion of railway infrastructure capacity*

Operationalisation of the Target Network

- ÖBB-internally, the Target Network is further developed into downstream planning instruments in more detail:
 - **Network Development Plan (NEP)** including Asset Strategies & **Network Usage Plan (NNP)**
 - **Route Development Plan (SEP)**
 - **Feasibility Studies (IEs)**

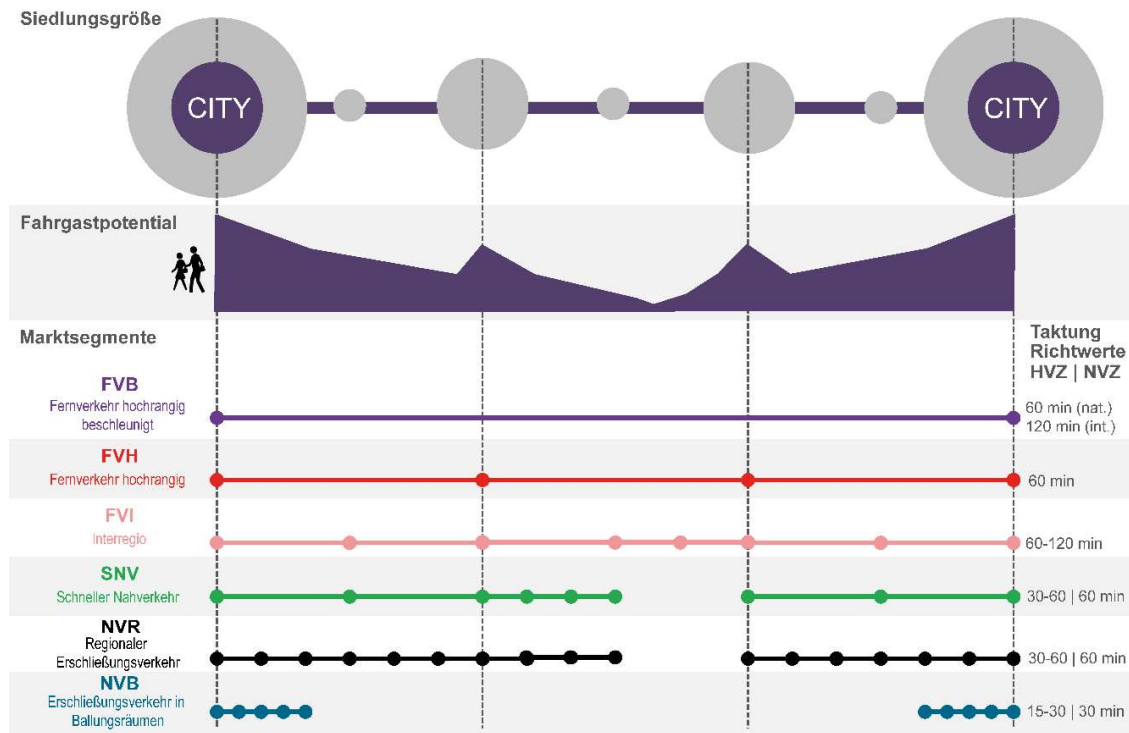
Result: Annual evaluations, recommendations for further pursuit by the Federal Ministry for Mobility and SCHIG (APLIES / RIE)



Operationalisation of the Target Network

Market segments and design parameters

Market segments & spatial structures



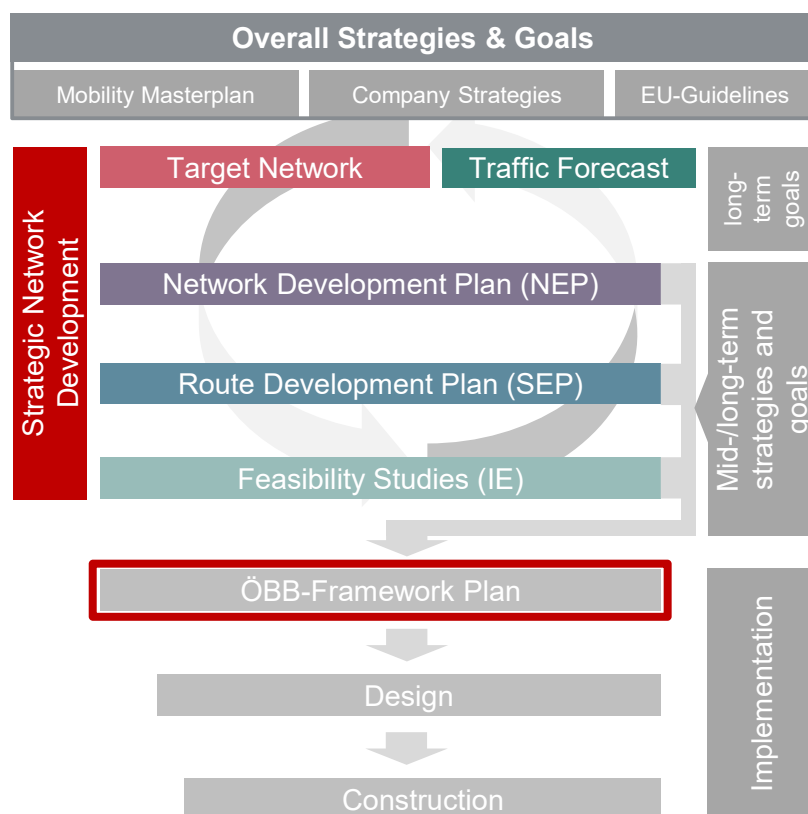
Network Development Plan (NEP)

- Asset Strategy on design parameters
 - Definition of common valid **design parameters**
- Example: Length of platforms

Marktsegment	Abk.	betriebl. nutzbare Bahnsteiglänge
Fernverkehr hochrangig beschleunigt	FVB	420 m
Fernverkehr hochrangig	FVH	420 m
Interregio	FVI	220 m
Schneller Nahverkehr	SNV	220 m
Erschließungsverkehr in Ballungsräumen	NVB	160 m
Regionaler Erschließungsverkehr	NVR	100 m (*) / 160 m

Strategic Network Development

... from visions to projects ...

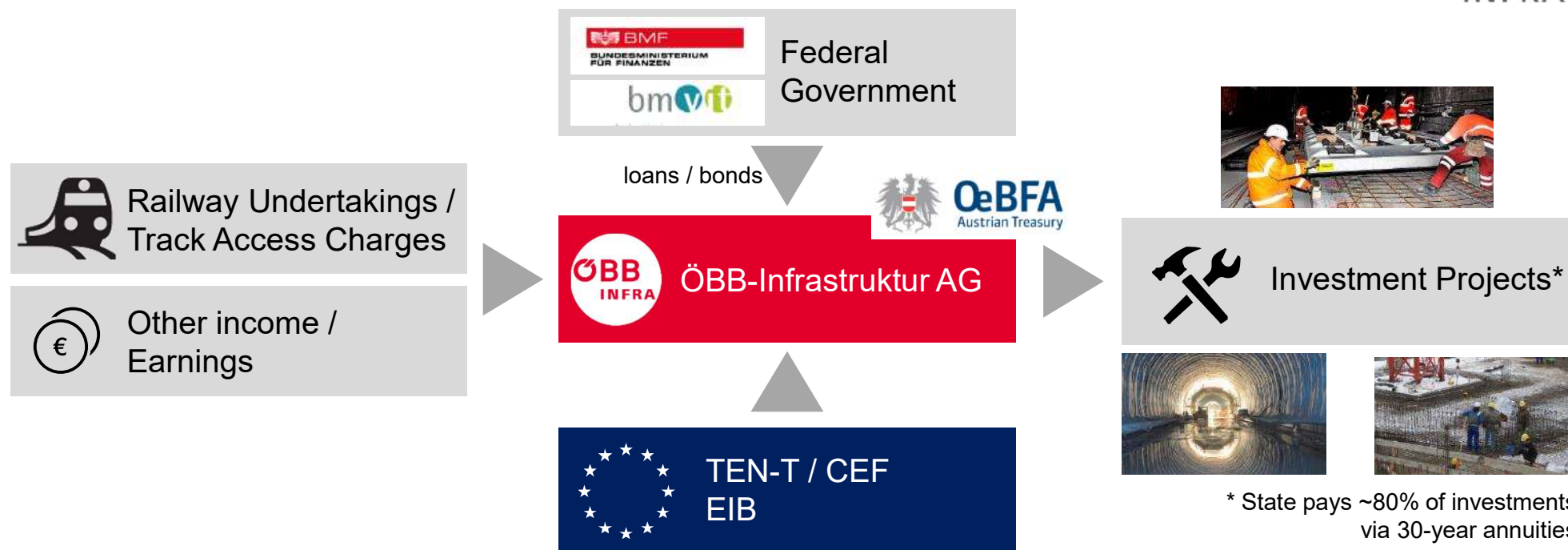


Financing and funding

- Operationalisation** of long-term planning through the **ÖBB-Framework Plan**, developed annually by ÖBB in coordination with the Federal Ministry for Mobility and enacted by the Federal Government. From the Framework Plan, concrete design and construction projects are derived.

Financing

... The infrastructure expansion ...



ÖBB-Rahmenplan 2024-2029 | ÖBB-Framework Plan



Agreed by the **Austrian Government** on 06.11.2023

6-year investment and maintenance **program** (updated annually)

Total investments in the period of 2024-2029: **21,1 bn €**

2 Grant Agreements with the State

Updated annually; includes the regulations concerning the grants and targets for the ÖBB Infrastructure

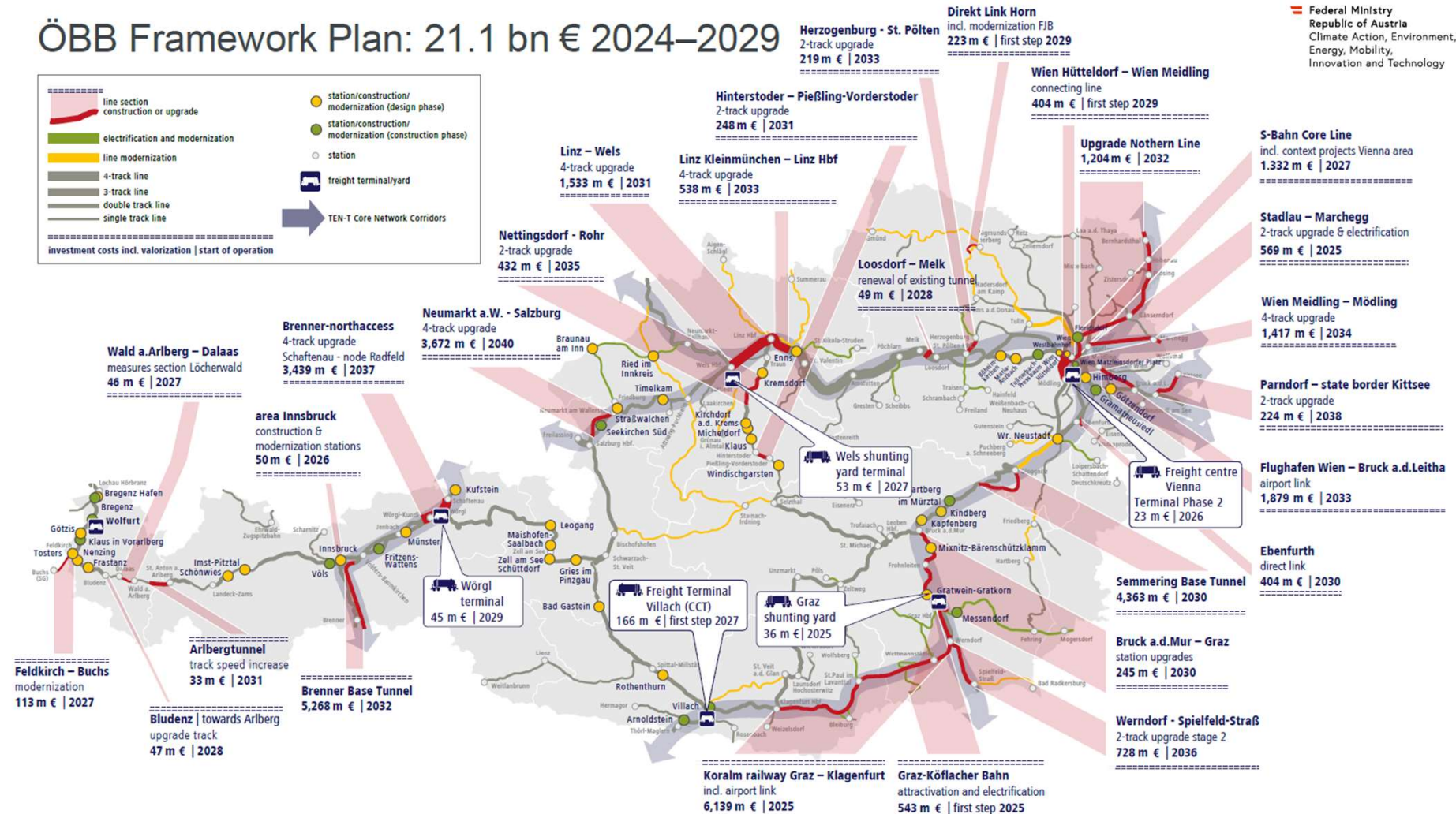
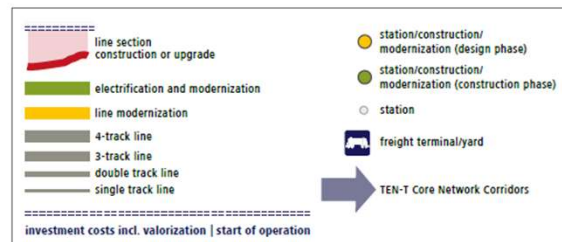
<https://infrastruktur.oebb.at/en/projects-for-austria/rahmenplan>

The ÖBB-Framework Plan (ÖBB-Rahmenplan)

... Projects | Re-Investments | Programs | Maintenance ...



ÖBB Framework Plan: 21.1 bn € 2024–2029



Federal Ministry
Republic of Austria
Climate Action, Environment,
Energy, Mobility,
Innovation and Technology



780 m €
per year
maintenance

838 m €
per year
reinvestment

32 m €
per year
P+R

894 m €
total 2024–2029
freight traffic
(terminal, shunting yards, 740m sidings, etc.)

2.8 bn €
total 2024–2029
electrification & modernization

2.4 bn €
total 2024–2029
increase safety & digitalization

Design phase: Kufstein – Schaffhausen, Tiroler Oberland, Pass Lueg, Schwarzach-St. Veit – Bad Gastein, Kirchdorf – Micheldorf, Bosruck Tunnel, Tulln – Tullnfeld, northaccess lines S-Bahn Vienna, innere Aspangbahn

Rail Infrastructure in Austria | Strategy-Projects-Financing

... Thank you for your attention ...



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