

16th Meeting of the Scandinavian-Mediterranean Core Network Corridor Forum

Thursday, 25th of November 2021, 13:00-17:00
(Video Conference)

“Multimodal Node Erfurt”

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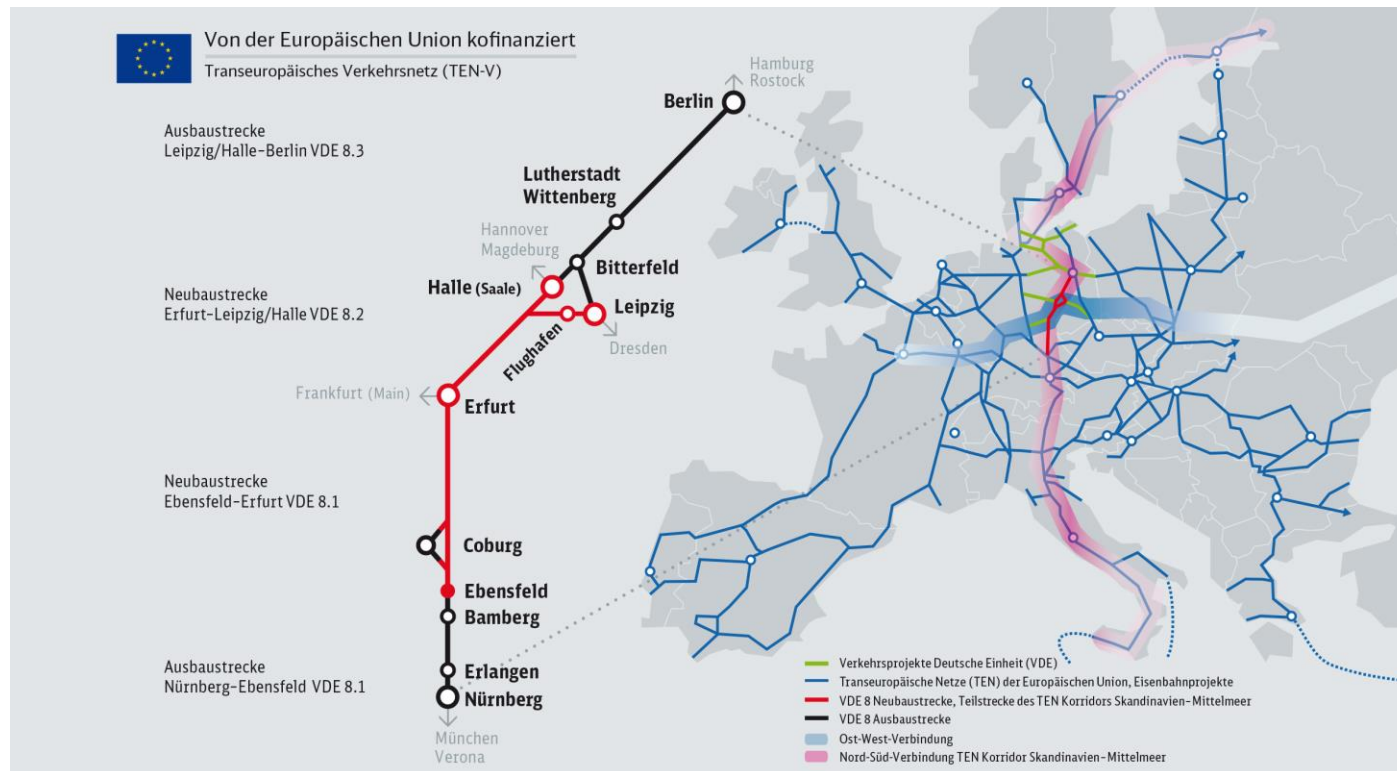
- Free State of Thuringia**
- 2.1 million inhabitants
- 16.000 km² area
- State Capital: Erfurt



German Unification Transport Project # 8 Nürnberg – Ebensfeld – Erfurt – Leipzig/Halle – Berlin

- The most important infrastructure project of our time
- The newly built line VDE 8.2 Leipzig/Halle – Erfurt brought into service in December 2015
- The newly built line VDE 8.1 Erfurt – Ebensfeld brought into service as planned in December 2017
- Long distance routes in eastern and central Germany were rearranged when VDE 8 came into effect.
- South Thuringia connected to the ICE network via Coburg (in progress)

German Unification Transport Project # 8 Ebensfeld – Erfurt – Leipzig/Halle



source: Deutsche Bahn AG

VDR 8 - construction and improvement of track – facts and figures

-**10 billion Euro** investment

-**300 km/h** top speed

-**230 km** new track + **270 km** improved track (inc. junctions)

-**27** tunnels

-**37** bridges over valleys

-**8.314 km**: longest tunnel – Blessberg tunnel

-**8,600 m**: longest railway bridge in Germany – Saale-Elster Valley Bridge

-**63.810 km** combined length of tunnels

-**4,000,000** metric tons of concrete used on the bed of the railway

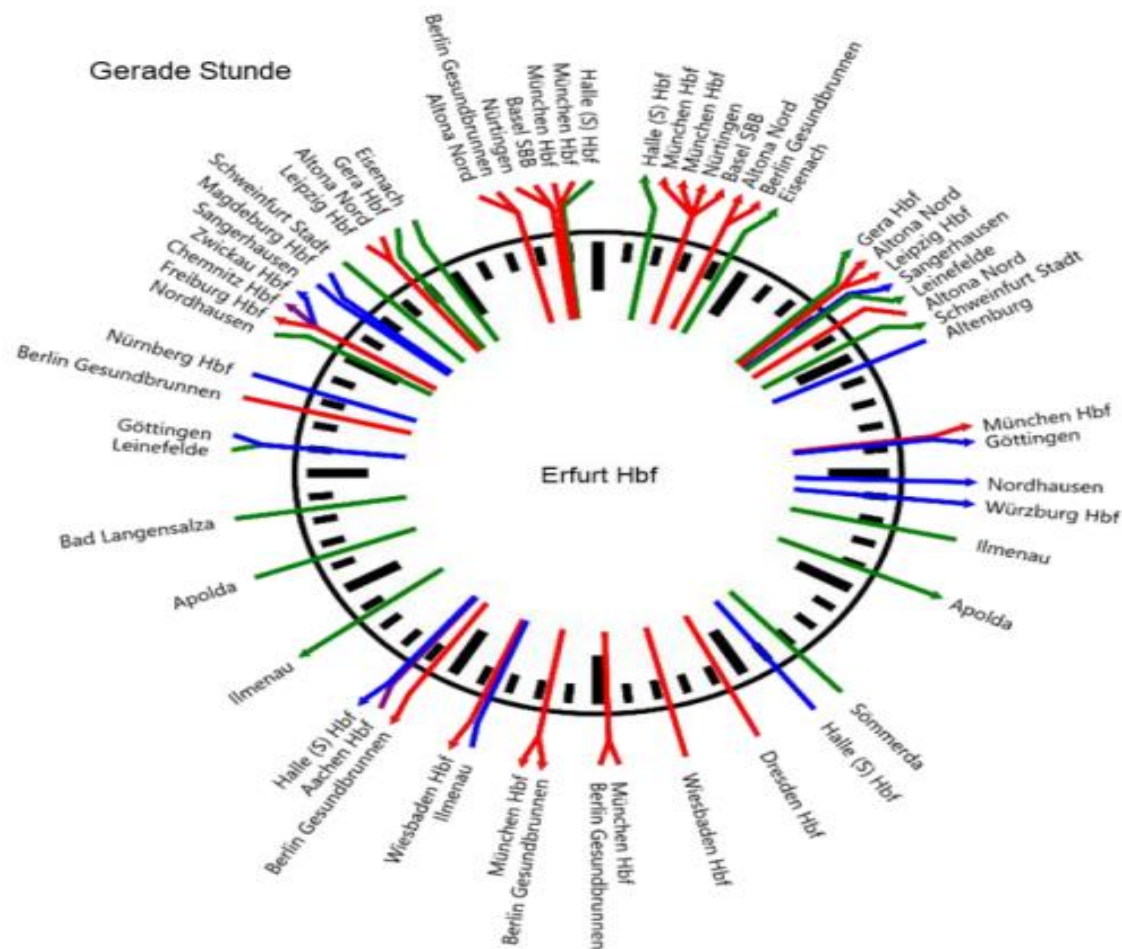
-**3,500** year-old trading routes were excavated along the route

-**4,500** people employed in the building of the track

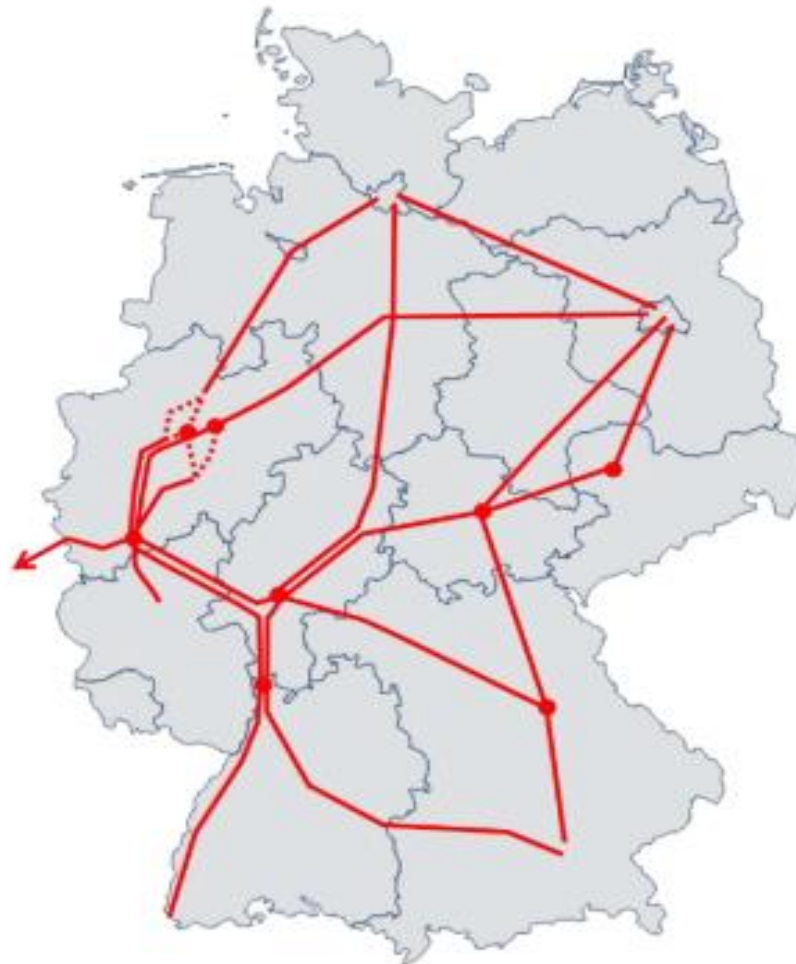
Long distance travel times shortened as a result of VDE 8

route	previous	since 2017
München-Berlin	c. 6:00 h	c. 4:00 h
Halle-München	c. 4:50 h	c. 2:45 h
Nürnberg-Berlin	c. 4:40 h	c. 2:50 h
Erfurt-München	c. 4:30 h	c. 2:20 h
Erfurt-Nürnberg	c. 3:10 h	c. 1:10 h
Leipzig-München	c. 4:50 h	c. 3:15 h
Dresden-München	c. 6:00 h	c. 4:45 h

Hourly connections at the Erfurt node (frequency spider)



Long-distance traffic corridors with a half-hourly rhythm



Effect of VDE 8 on local passenger rail traffic

December 2015 VDE 8.2 Erfurt – Halle/Leipzig brought into service

December 2016 double-track extension to the MDV brought into service

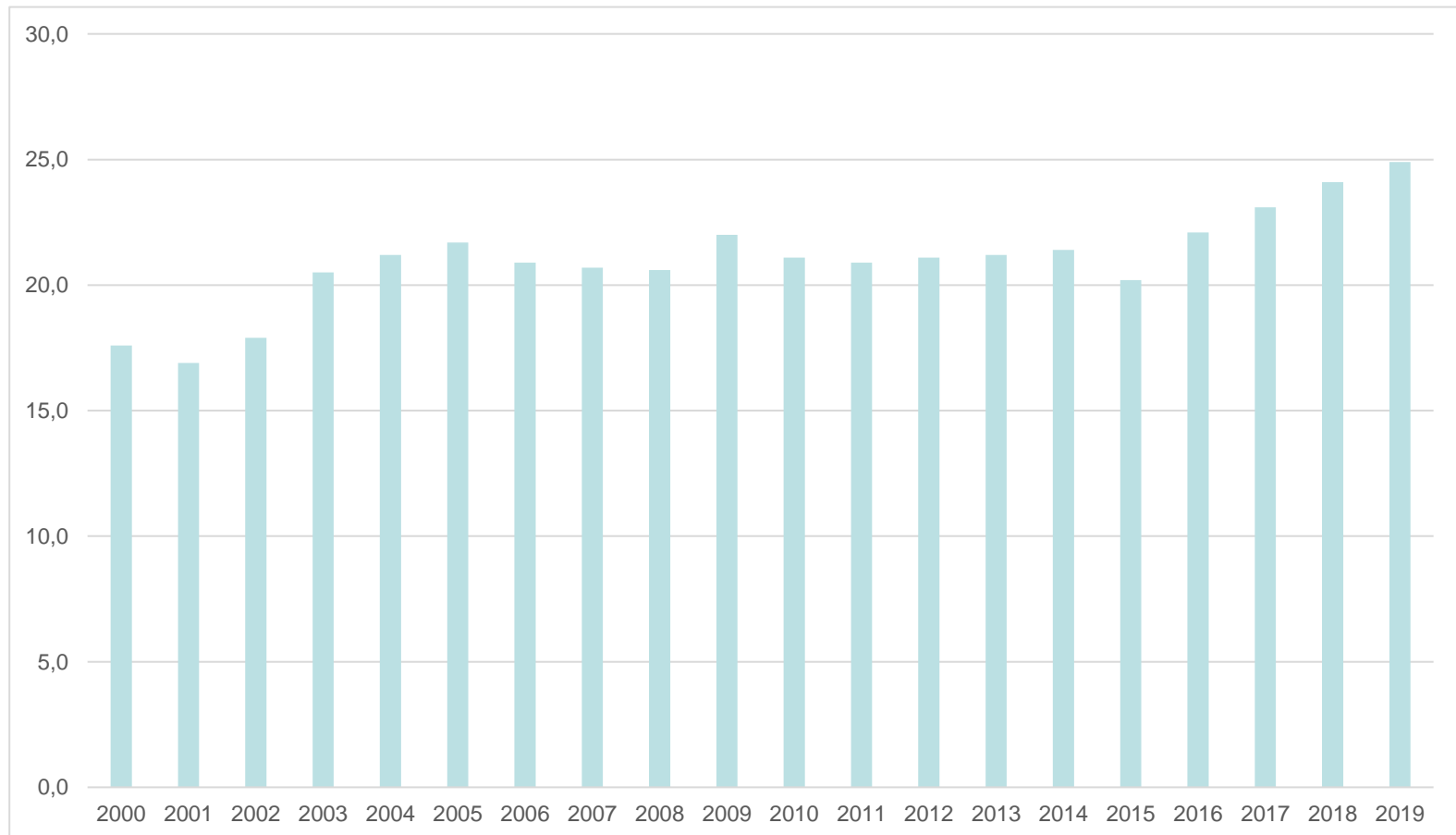
December 2017 increased speeds on Erfurt – Eisenach brought into service

December 2017 increased speeds on Eisenach – Gerstungen brought into service

December 2017 IBN VDE 8.1 Erfurt – Ebensfeld (– Nürnberg)

December 2023 commencement of faster regional express service between Coburg and Erfurt (delayed knock-on effect for neighbouring regions of Thuringia)

Development of demand for local passenger rail traffic 2000-2019 (Millions)





Thank you for your attention!