



## WIENERWALD TUNNEL

### Vienna, Austria

The Wienerwald Tunnel is the key structure of the extension to four tracks of the Western Railway Line between Vienna and St. Pölten.

It is the first railway tunnel in Austria to be driven by TBM.

# Construction of Railway Tunnel

## Location

Vienna, Austria

## General Information

Cost for Structural works: CHF approx. 550 million

## Project Stages

Consulting: 2003 / 2004  
Construction: 2005 – 2010

## Project Description

Two parallel single-track tunnels

Length: 2 x 11.4 km

Diameter: 10.7 m

Caverns and shafts for ventilation

Access galleries

## Excavation Method

Invitation to tender for a drill-and-blast excavation and a TBM excavation; the option with TBM excavation was finally chosen

## Geology

Molasses and Flysch formation (mud stone, sand stone, marl, shale, limestone)

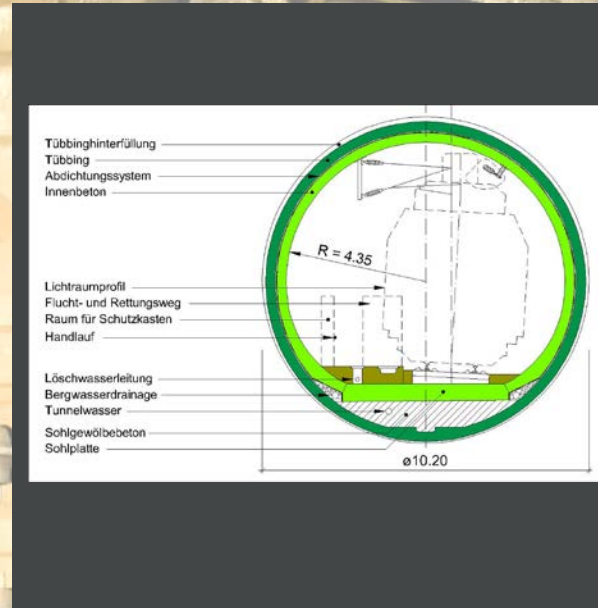
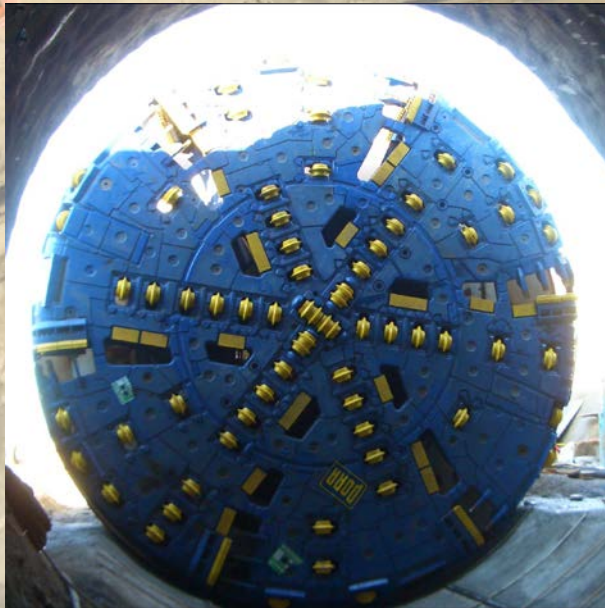
Several fault zones

Overburden of up to 250 m

## Client and Contact Person

Eisenbahn-Hochgeschwindigkeitsstrecken AG (HL-AG), Vienna

Mr J. Lemmerer



## Project

New tunnel for high-speed railway line

## Our services

- Accompanying examination of tender design
- Client consulting: comparison of tenders
- Comparative study on single-shell and double-shell lining method



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