



SCANDINAVIAN-MEDITERRANEAN CORE NETWORK CORRIDOR FORUM

BRENNER BASE TUNNEL

SANDRO FRANCESCONI

25.03.2021



Von der Europäischen Union kofinanziert
Fazilität „Connecting Europe“

Cofinanziato dall'Unione europea
Meccanismo per collegare l'Europa

PROGRESS OF THE WORKS



The BBT tunnel system includes about 230 km of tunnels.
138 km have already been excavated.



138 km

230 km

Main tunnel

47 km

Exploratory tunnel

51 km

Other tunnels

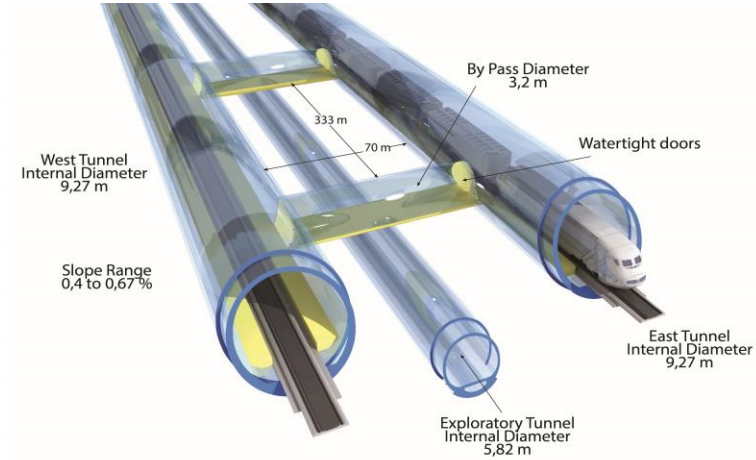
40 km

PROJEKTSTATUS DEZEMBER 2020
STATO DEL PROGETTO DICEMBRE 2020
PROJECT STATUS DECEMBER 2020



LEGENDE
LEGENDA
LEGEND

- aktuelle Vortriebe
 avanzamento in corso
 current excavations
- in laufenden Baulosen bereits ausgebrochen
 scavato nei lotti attualmente in corso
 already excavated on active construction sites
- in Vorlosen gebaut
 scavato nei lotti precedenti
 built in preliminary construction lots



SILL GORGE CONSTRUCTION LOT

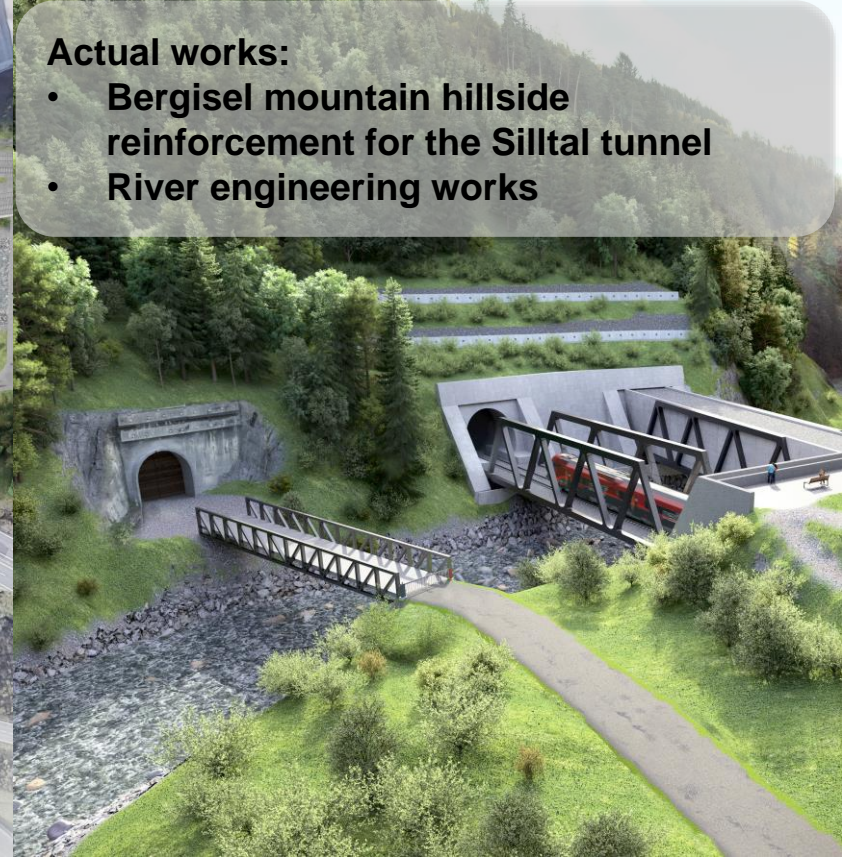


Start August 2020 – 4 years

- 140m long Silltal tunnel
- 2 bridges over the river Sill
- northern portal of BBT
- 140m of main tunnels

Actual works:

- Bergisel mountain hillside reinforcement for the Silltal tunnel
- River engineering works



SILL GORGE-PFONS CONSTRUCTION LOT

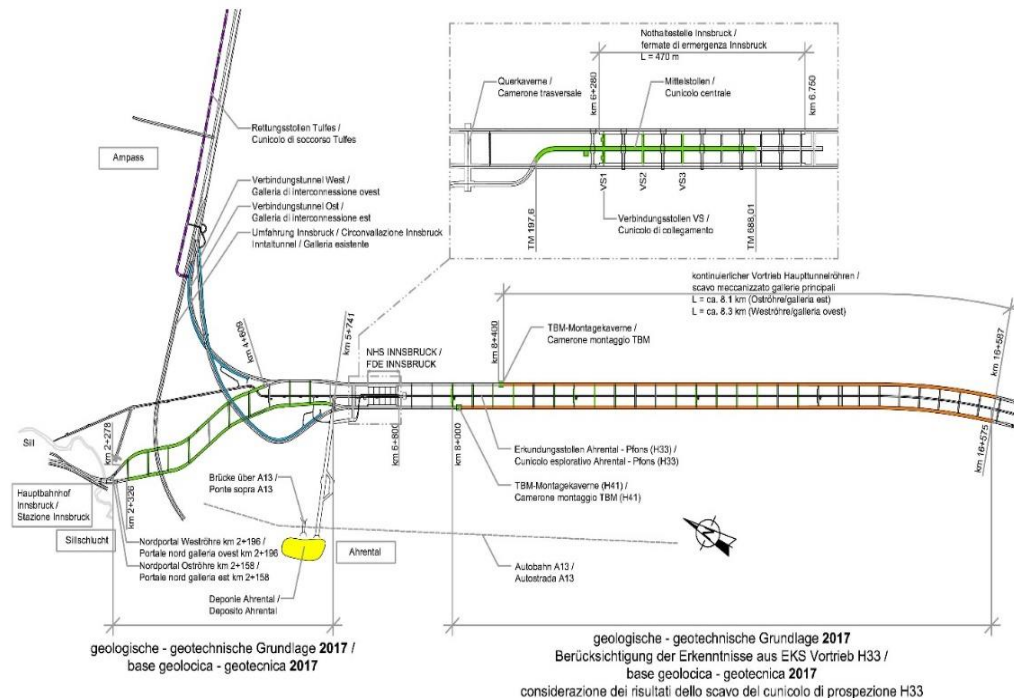
Cross passages **2,3 km**

Main tunnel (TBM) **16,4 km**

Main tunnel (D&B) **6,9 km**

**Remaining works on the emergency area
“Innsbruck”**

**Tender published on
29.01.2021**



TULFES-PFONS CONSTRUCTION LOT: 100%

2014 – 2021

43 km excavated

- 12,8 km main + interconnection tunnels
- 16,6 km exploratory tunnel
- 9,7 km emergency tunnel
- 3,9 km logistic tunnels



2021

Filling of the “Iris” cavity

FORMER PFONS-BRENNER CONSTRUCTION LOT



- **Works at the construction lot H51 have been suspended since 27.10.2020**
- **Drill & blast excavation works largely completed (approx. 10 km)**
- **H52 Hochstegen: Tender procedure to start shortly**



MULES 2-3 CONSTRUCTION LOT:

63%



- **Exploratory tunnel:** 12,1 km excavated, 2,7 km remaining
- **Main tunnels:** 26,2 km excavated, 13,6 km remaining
- **Access tunnel to emergency area:** 3,8 km excavated completed
- **Other logistic tunnels:** 1,8 km excavated

ISARCO RIVER UNDERPASS LOT:

71%

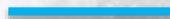


06.11.2020

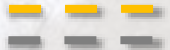
Breakthrough for the connecting tunnel below the river

Mid-March: 2nd groundfreezing phase (Main tunnel)

Completed works



Planned works



ISARCO RIVER UNDERPASS: RAIL TRACK RELOCATION ON JANUARY 2021



Old track

New track

RAILWAY EQUIPMENT

Working Group BBT SE/ÖBB/RFI - Main criteria on future management and operation defined:

- | | |
|--|--|
| 1) St. Jodok cross-over | 4) Systems relocation in the exploratory tunnel |
| 2) Operational area limits | 5) Optimisation of the safety equipment for emergency management |
| 3) Traction power 15kV 16,7Hz or 25kV 50Hz | |

Other assignments (by April):

- Safety plans in case of emergencies
- Duties of the ÖBB/RFI coordination centre in Innsbruck
- Maintenance plans criteria



Tender for planning of the rail equipment – 2021



THANK YOU FOR THE ATTENTION!



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