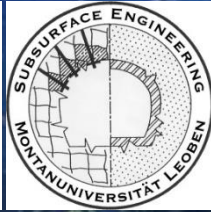




ZaB
ZENTRUM **am** BERG

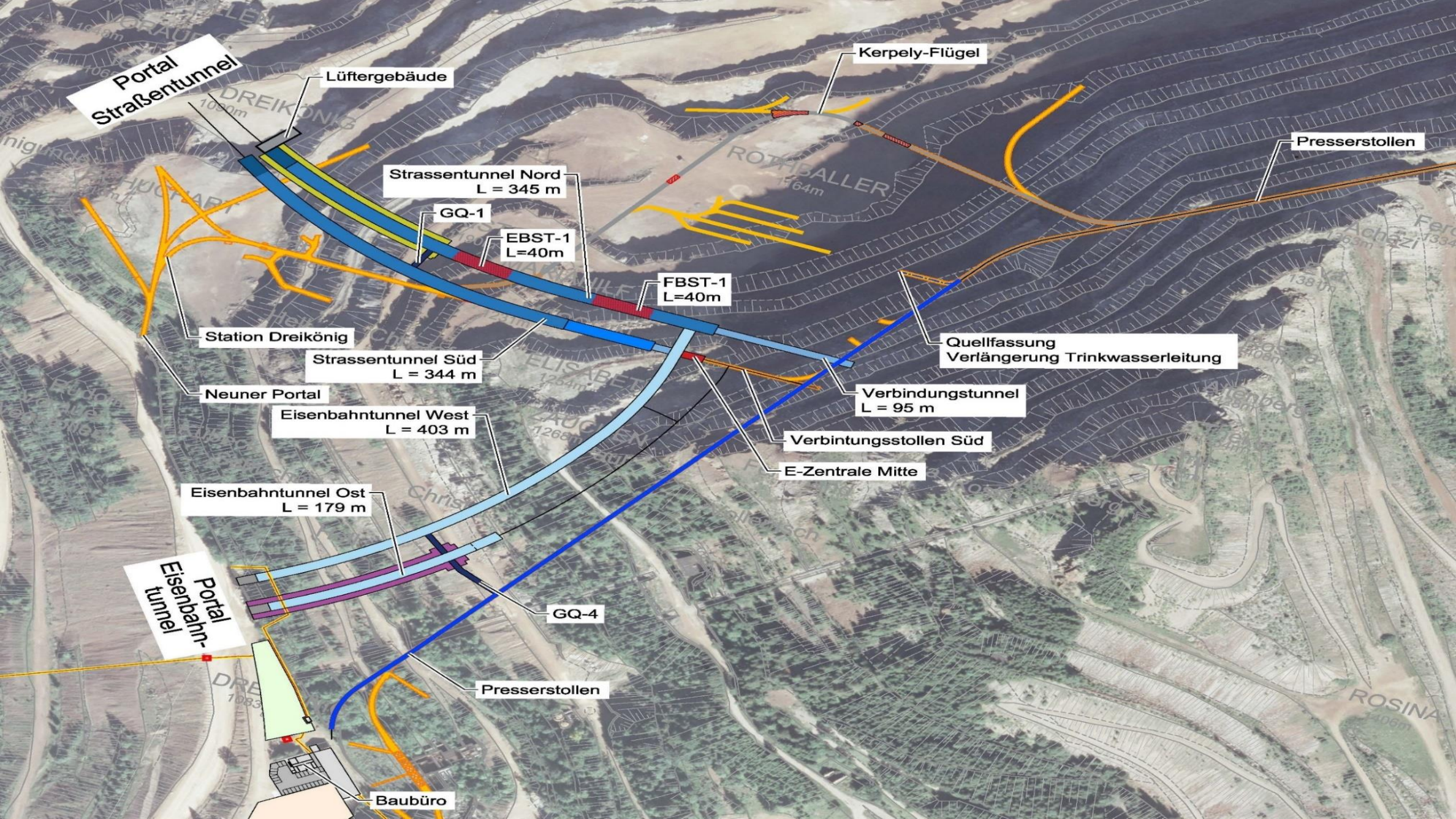


**"ZaB - Zentrum am Berg
an unique underground R&D- as well as
education and training center**

Univ.-Prof. DI Dr
R. Galler



Portal location of ZAB

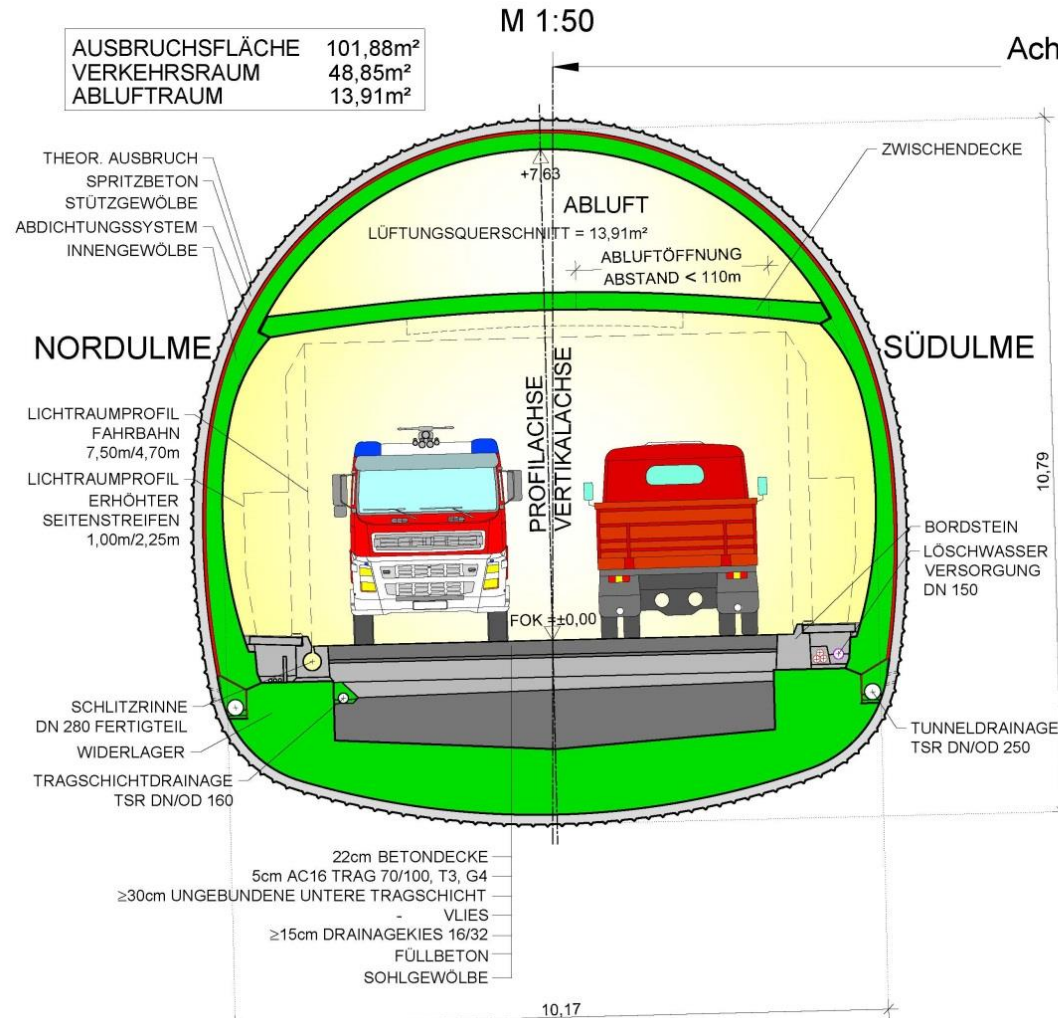




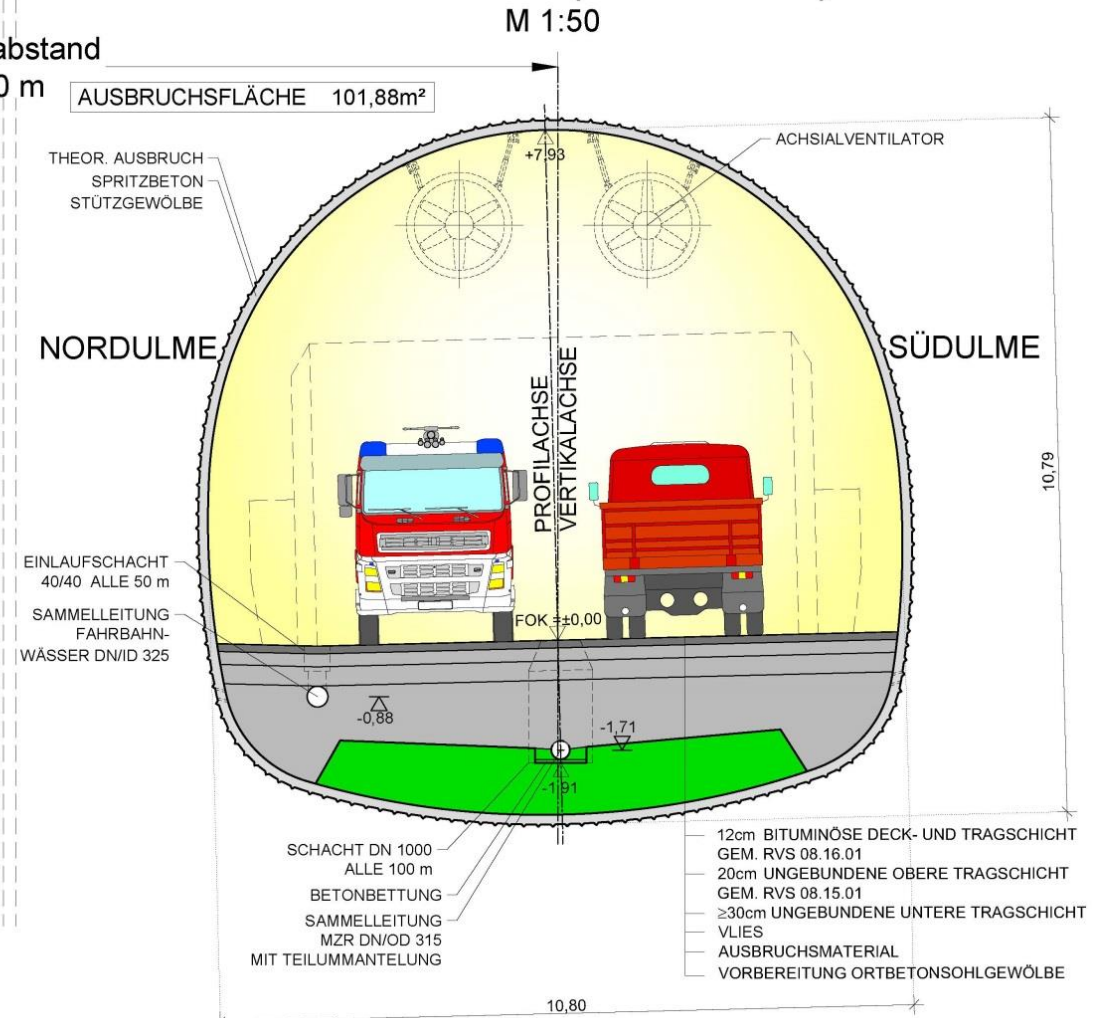
**Nachhaltige
Nutzung
bestehender
Tunnelbauwerke
durch Aufweitung**



RQ STRASSENTUNNEL NORD MIT SOHLGEWÖLBE VOLLAUSBAU



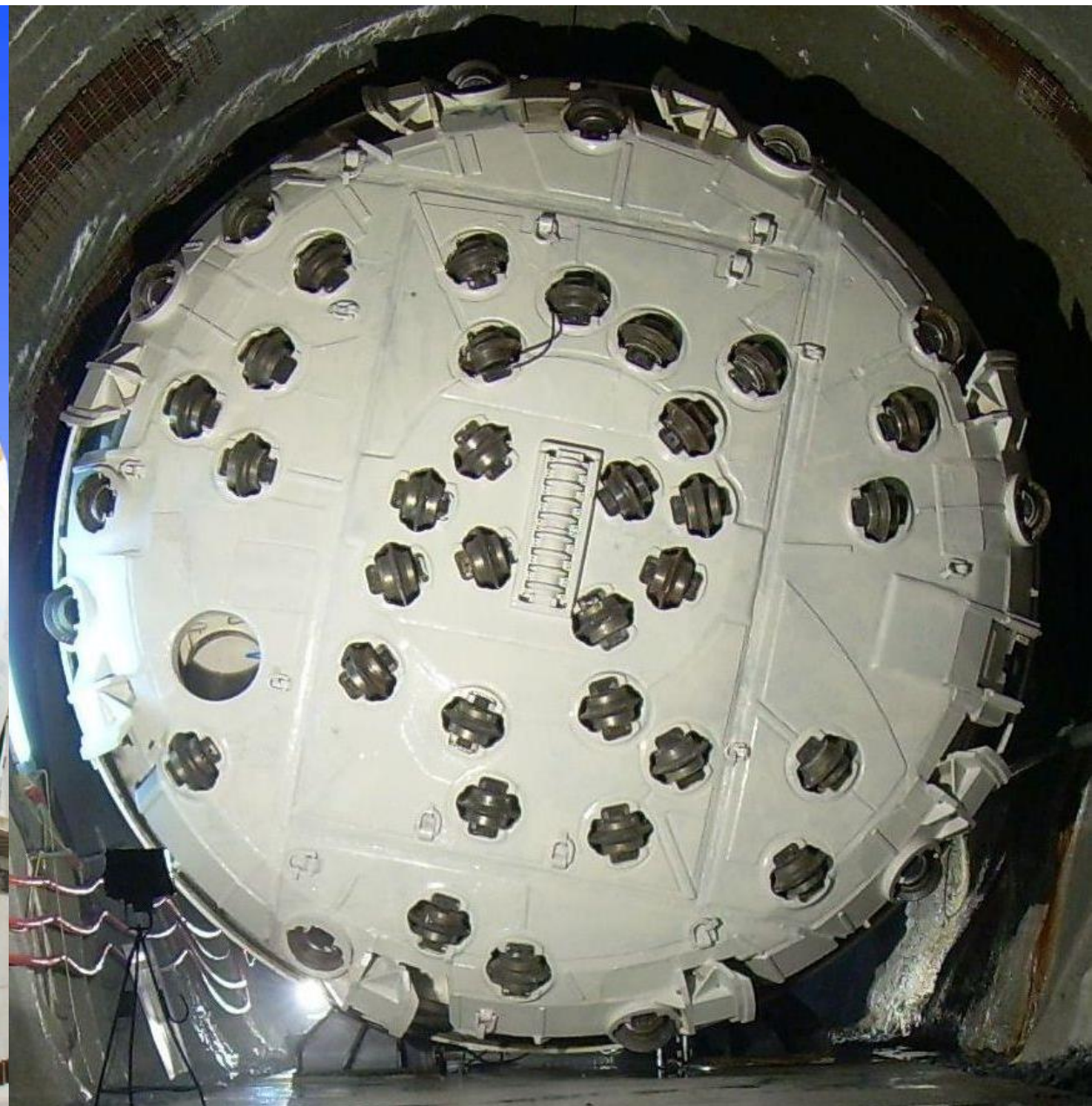
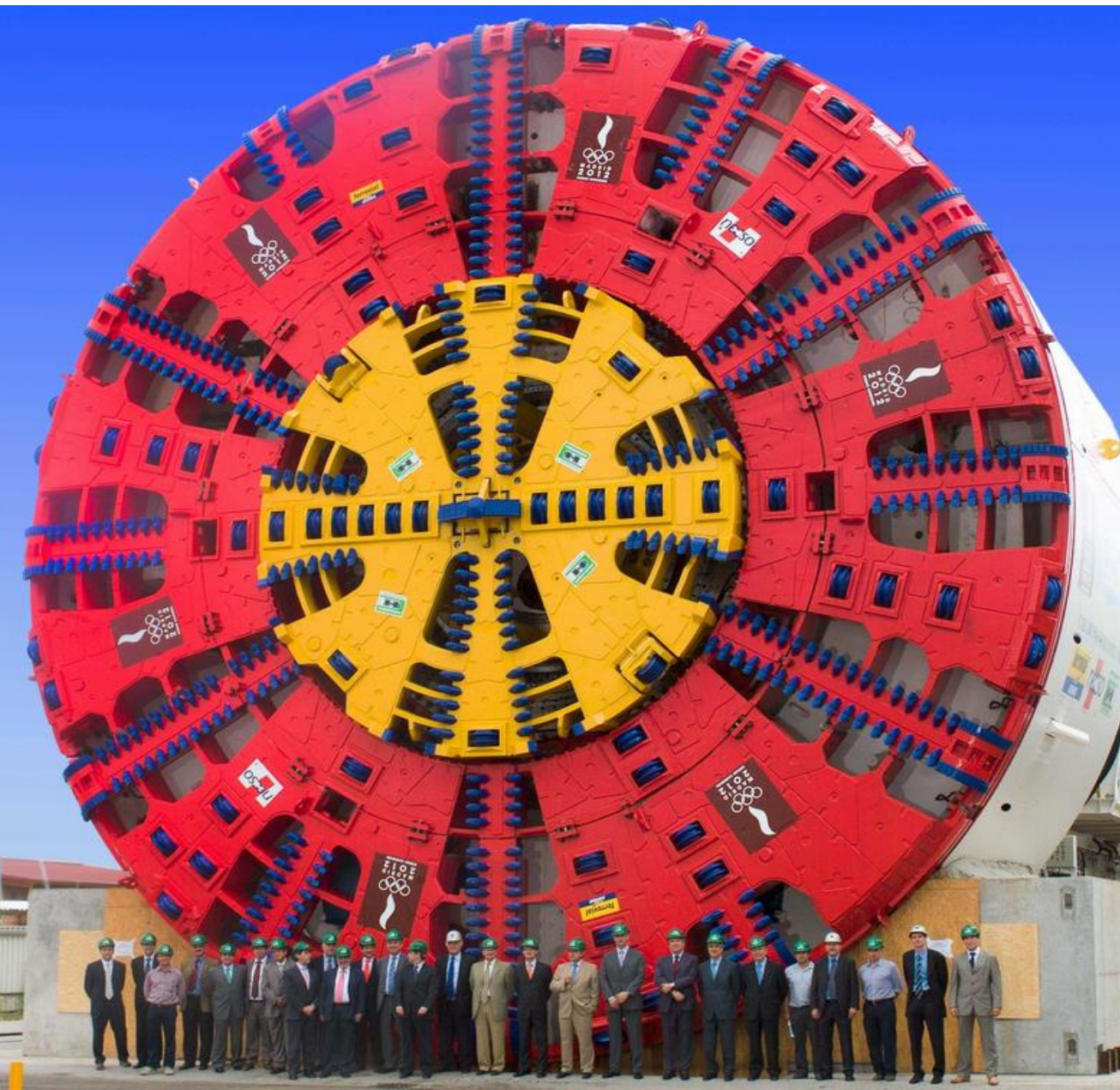
RQ STRASSENTUNNEL SÜD MIT SOHLGEWÖLBE TEILAUSSBAU (1-SCHALIG)

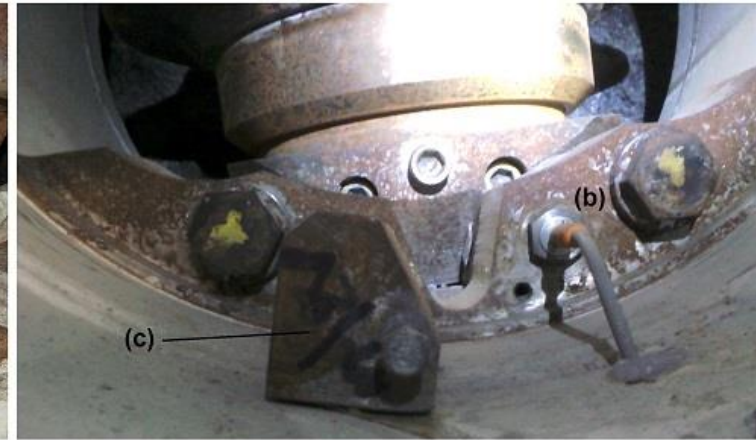
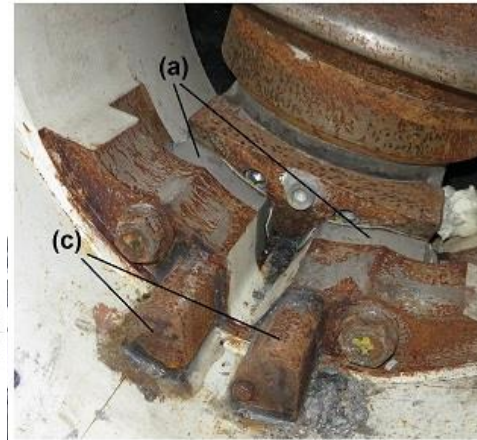
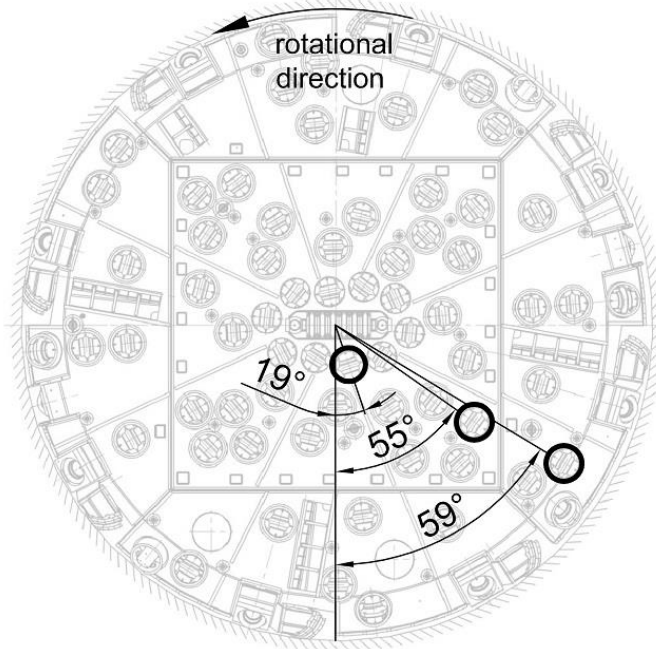




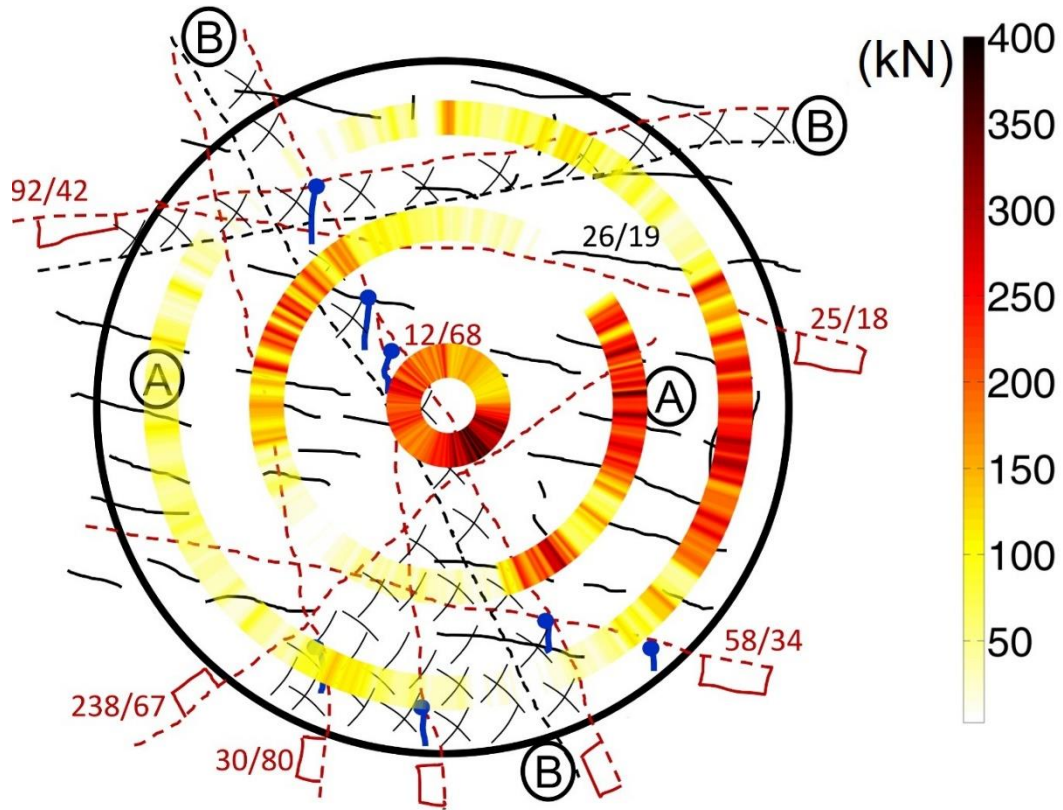
NATM – New Austrian Tunnelling Method







Patent: TBM - DCLM

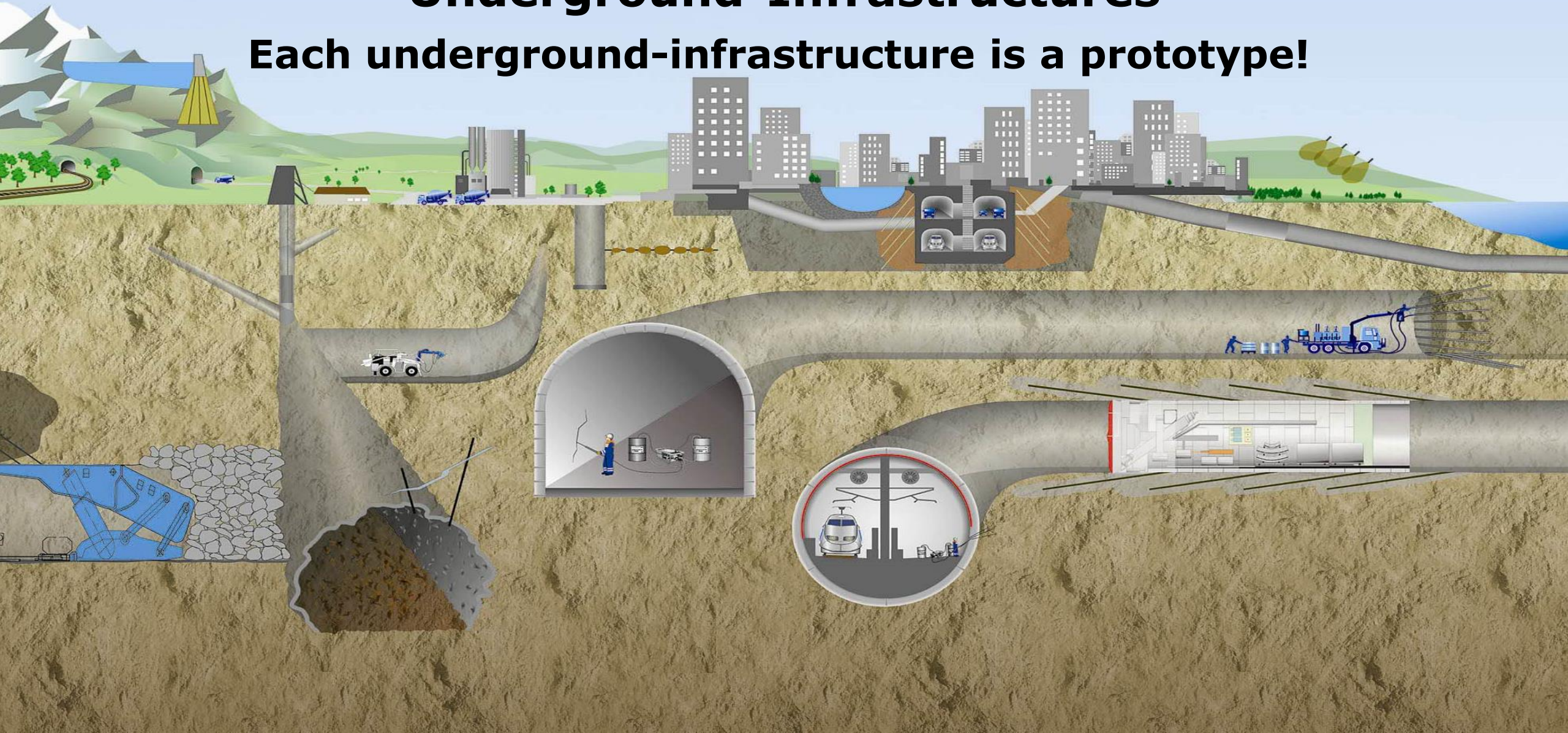


Patent: TBM - OBM



Underground-Infrastructures

Each underground-infrastructure is a prototype!



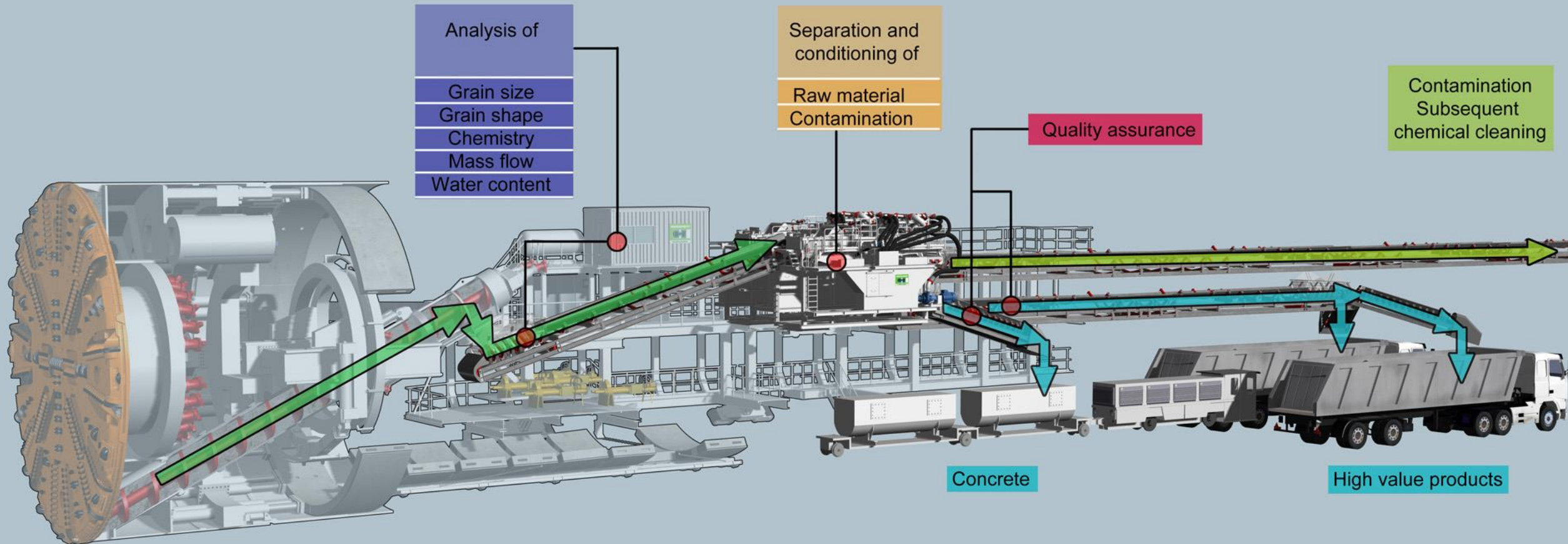
FFG Projekte

- **GEMEG**
Geoph. Vorauserkundung
- **AVANT**
KI im Injektionssektor
- **DrainRepair**
Sanierungsmethoden für
Drainagerohre im Tunnelbau



FFG Projekt LUQUAS





Training & Research



Horizon 2020

- Ironore
- Med1stMR



FFG Project
Tunnelsafety:
NIKE Med



Training



Training & Research



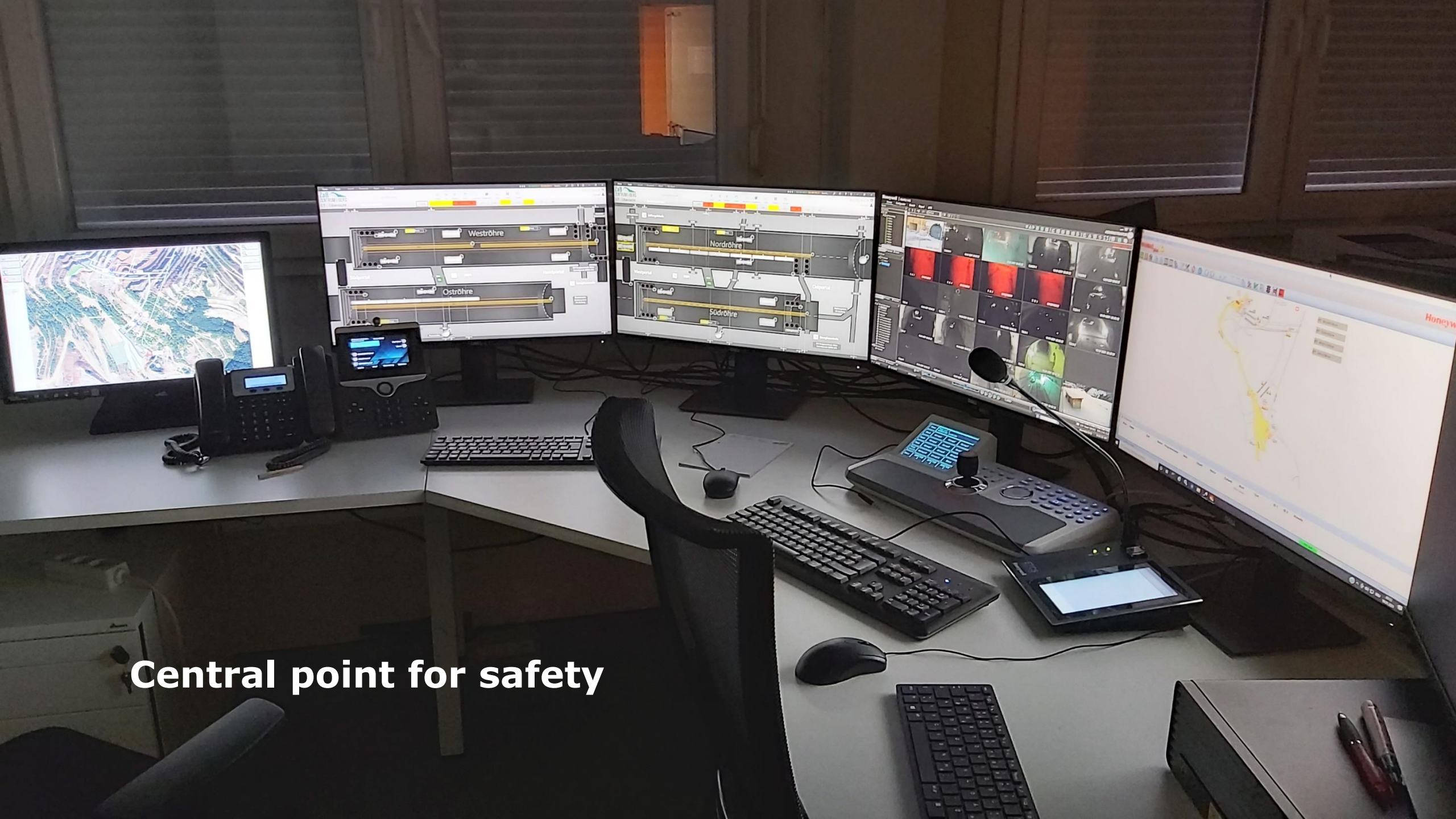
KIRAS Projekte

- **ROBO-MOLE**
ROBOTik für 3D-Mapping,
Orientierung und Lokalisierung bei
untertägigen Einsatzszenarien
- **ETU-ZaB**
Ausbildungs- und Trainings-
standards für Einsätze in Tunnel-
und Untertage-Infrastrukturen



Training & Research

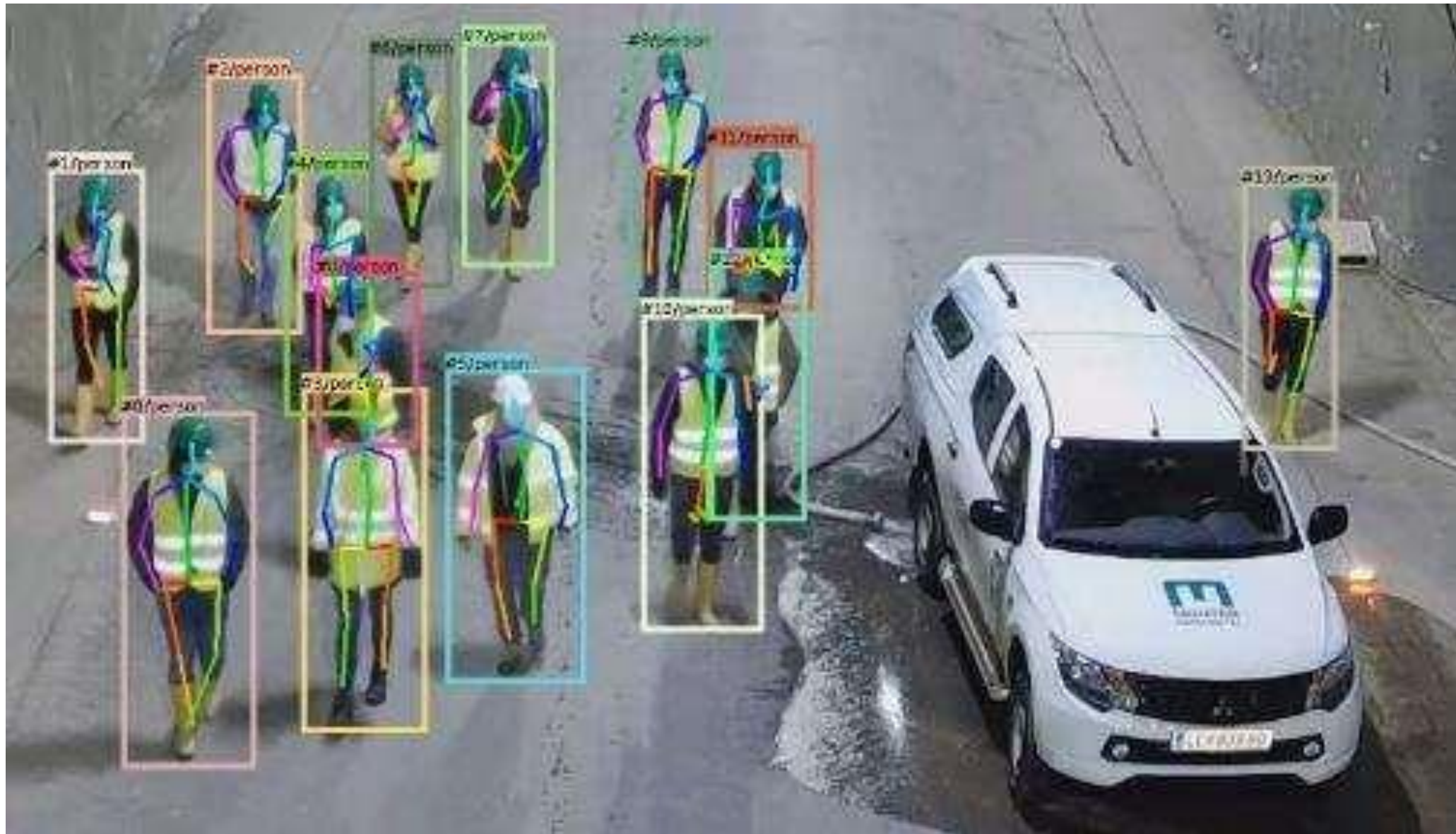




Central point for safety

KIRAS Projekt SubMoveCon

Subsurface Movement Control





BMLRT-Projekt IGNITE



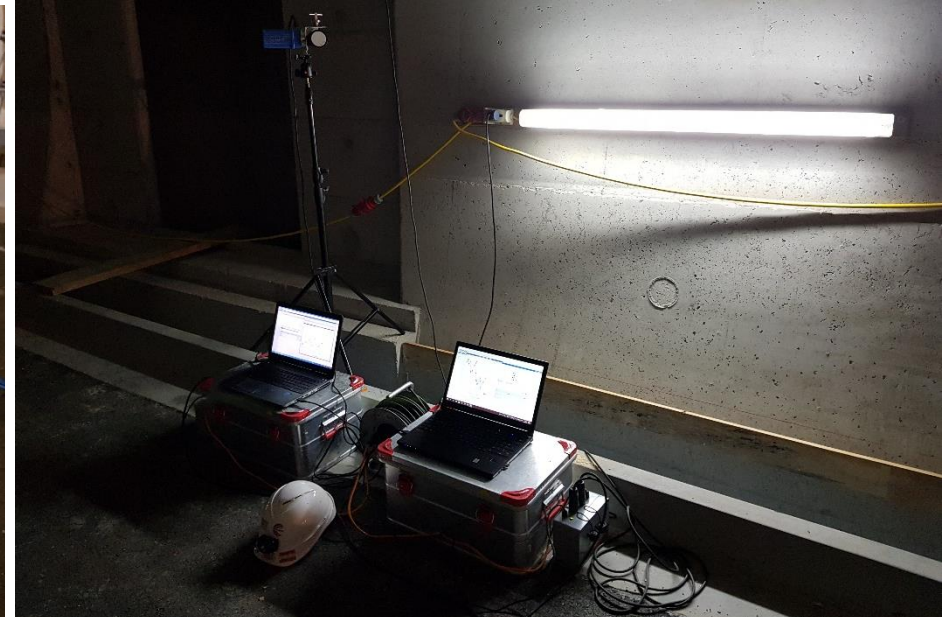
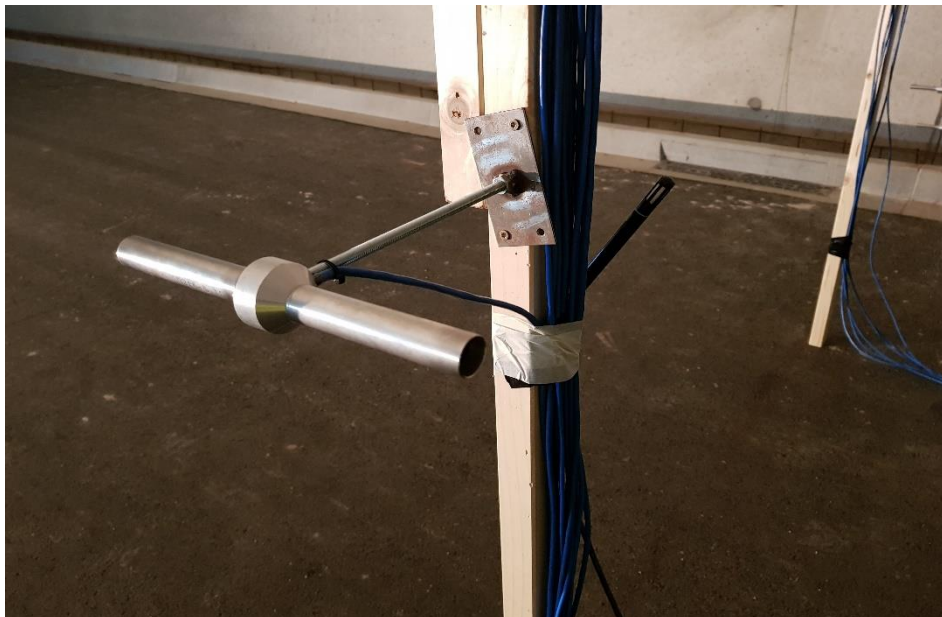
BMLRT-Projekt IGNITE



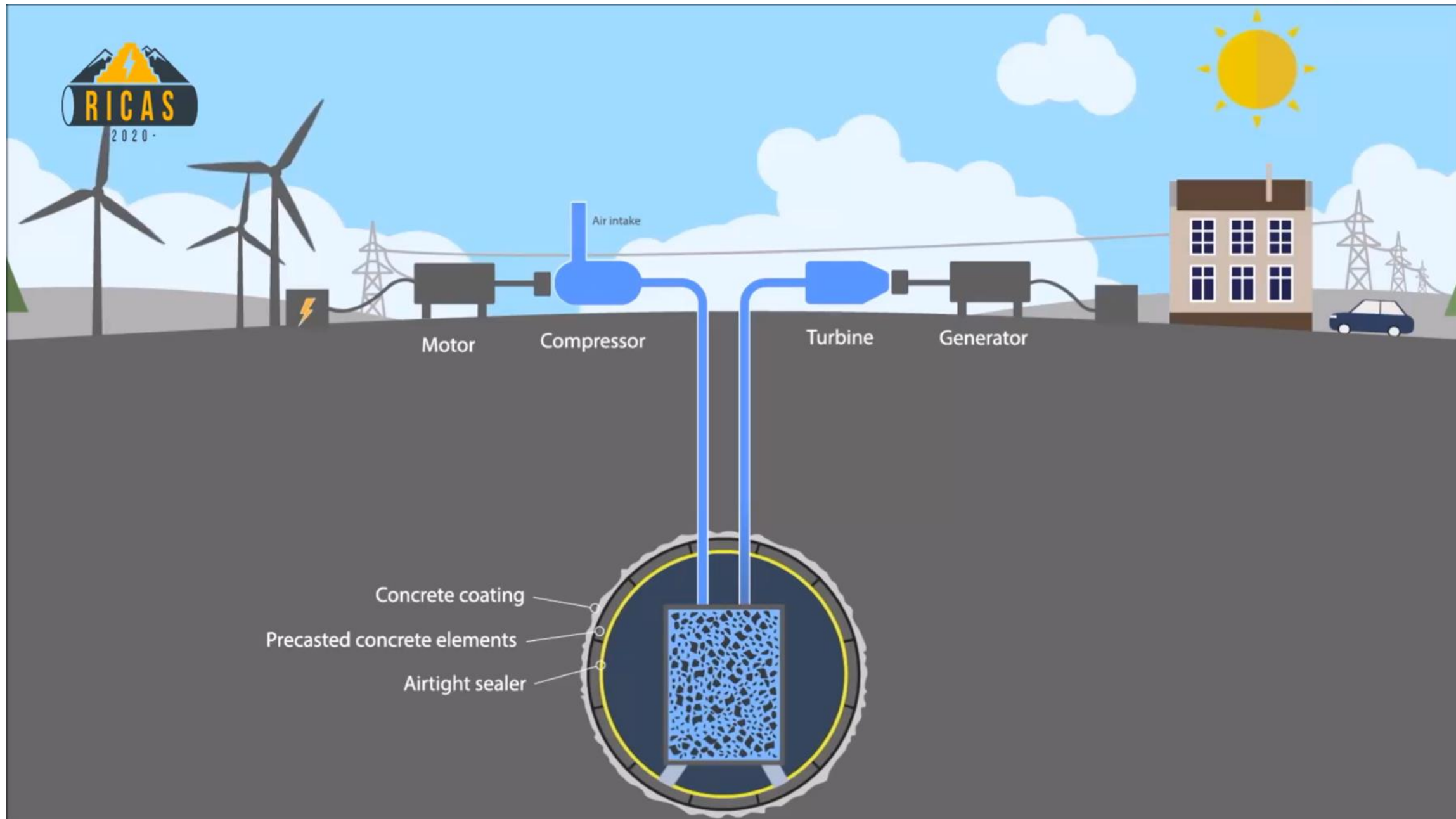
BMLRT-Projekt IGNITE



Aerodynamik im Tunnel FFG Projekt LUQUAS



ACAES - Druckluftkraftwerk





Research@ZaB
Zentrum am Berg



ZaB
ZENTRUM am BERG

GLÜCK AUF!
www.zab.at

