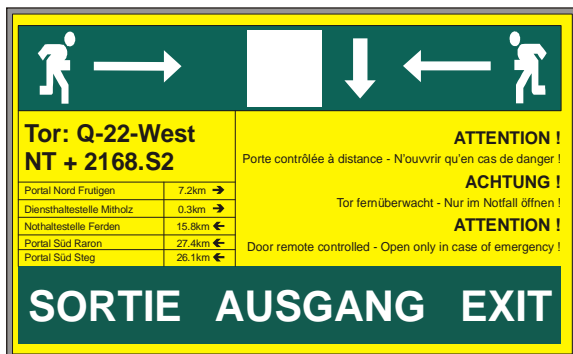




Door in rail tunnel



Standard electrical cabinets for housing of different electrical equipment in a cross-passage



Escape route sign mounted on cross-passage door

The mechanical equipment is an essential part of railway and road tunnel infrastructure. Equipment such as doors, gates, electrical cabinets, cranes, metal structures, supports, water supply and air conditioning need to be implemented with the appropriate specifications. HBI provides comprehensive services as well as the adequate approach meeting the requirements in the field of mechanical tunnel equipment.

Our services

HBI provides the following services:

- Determination of the requirements of mechanical equipment based on boundary and operation conditions
- Specification of the equipment according to the functional requirements and the standards
- Evaluation of appropriate and adjusted provisions for self-rescue (handrails, escape route signs, auxiliary lighting)
- Elaboration of the equipment strategy to minimize lifecycle costs
- Elaboration of tender documentation as well as supervision of call for tender
- Analysis of tenders
- Testing of prototypes in laboratory or test tunnel
- Coordination with other disciplines (civil and electrical design, tunnel ventilation)
- Assessment of performance of existing equipment
- Checking of safety requirements
- Site supervision and acceptance tests
- System documentation and manuals
- Training of staff
- Checking of performance specifications

Your benefits

- For an ideal cost-benefit ratio we determine the appropriate specifications regarding the mechanical equipment based on functional requirements and boundary conditions.
- Feasibility will be assured by our comprehensive assessment of interfaces to other disciplines.
- Profiting from our profound know-how gained in numerous reference projects, we will provide mechanical equipment with high functional reliability and operational safety.