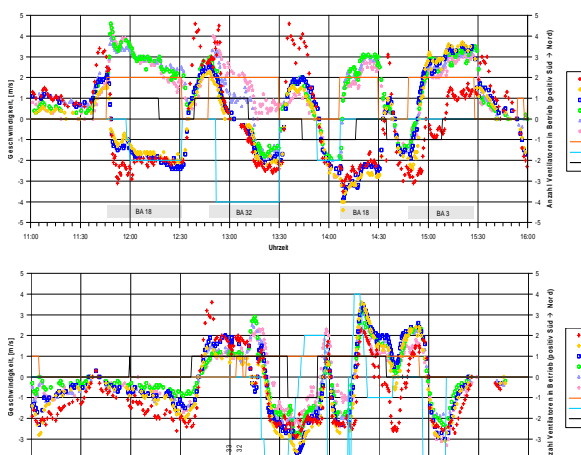




Propagation of smoke in tunnel



Analysis of data resulting from measurements



First fire tests of HBI Haerter in 1965 at the Ofenegg tunnel

HBI Haerter Consulting Engineers provide support in planning, realization and analysis of fire and smoke tests in tunnels. HBI offers its experience gained in various full-scale tests in different countries as well as professional consultancy and partnership.

Our services

HBI offers the following services:

- Elaboration of smoke and fire test concepts with regard to boundary conditions, provisions and objectives
- Test programs with detailed activity schedule and allocation of responsibilities
- Supervision of tests which includes the coordination of the test schedule, tests of the technical equipment, supply of material, coordination of all parties involved (tunnel operation, fire department, authorities, contractor)
- Recording of the relevant data of measurements
- Video recording of the propagation of smoke fronts
- Analysis of the measurements
- Detailed documentation
- Proposals for improvement for operating the ventilation system and providing instructions for the operation staff
- Planning and coordination of required modifications of the ventilation system

Your benefits

- By conducting fire and smoke tests, the function of the ventilation system will be checked and demonstrated. The fulfilment of the particular requirements for emergency operation will be confirmed.
- Procedures of ventilation operation will be adapted to the needs.
- Fire and rescue forces will be trained in realistic scenarios.