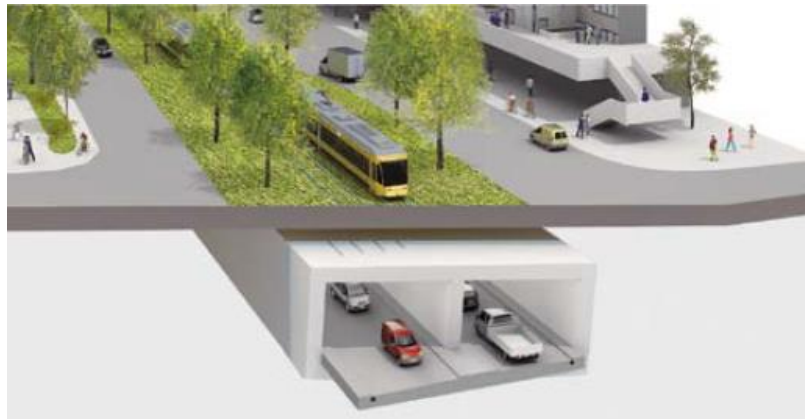


Karlsruhe combined solution 3.4 km of city rail tunnel with 7 underground stations

Kaiserstrasse is a major street in the Karlsruhe center pedestrian zone. Many of the city's light rail lines and tram lines run along it.

A new city rail tunnel, which will be completed in 2017, is to make Kaiserstrasse even more attractive for visitors as well as to bring relief. A new route in Kriegstrasse is also expanding the Karlsruhe rail network and providing the basis for the desired enlargement to the south of the city center.



Planned combined solution

The project in detail

The Karlsruhe combined solution consists of two projects, which are separate but inseparable: these are the 3.4 km rail tunnel with 7 stations and a new, 1.6 km long tram route including 3 stops above this tunnel. The rail tunnel, which will be partly driven by underground means and partly constructed by shield tunneling, will create a rail-free pedestrian zone of a length of 1.0 km.



Planned underground station

Services provided by sfirion AG

Since mid-2011, sfirion AG has been responsible for documenting and controlling the planning process as well as scheduling, planning and construction. Within this context, sfirion AG has created a control schedule, which is continuously updated. Predictions about the planning/construction process can be derived using target/actual comparisons, and corrective action taken early whenever deviations are found.

All tasks are processed using proprietary software. The following sfirion software modules are used:

- sfirion cockpit
(analysis and forecasting)
- sfirion archiv
(document management system)
- sfirion journal
(electronic daily construction records)

Client

KASIG –
Schieneninfrastruktur-
Gesellschaft mbH

Contracting authority

KASIG –
Schieneninfrastruktur-
Gesellschaft mbH

Reference person

Dipl.-Ing. F. Nenninger
KASIG management

Construction time

2010 – 2018

sfirion service period

2011/08 until the present
day

Construction cost

appr. EUR 640 million

Contract value

appr. EUR 300 thousand

Services provided by sfirion AG

Project management:

- Deadline and cost control
- Project documentation
- sfirion software (archiv, journal, cockpit, budget)

Work phases

LPh 2-8