

Rostock Station and Tram Network Extensions, Germany Design & Construction Management



Clients

German Rail and Rostock Railway Company.

Project

Design and construction management of a complex two level tunnel construction under Rostock Main Station.

The National Building Prize was awarded to the station project designers in 2004.

Services

- Civil and structural planning
- Preliminary and detailed design
- Traffic management planning
- Planning of electro mechanical installations
- Building services and power supply
- Signaling and telecommunications
- Noise report
- Planning approval process
- Preparation of contract award
- Construction management

Services periods

Design: 1999 – 2001

Construction: 2001 – 2003

Background

Rostock Main Station has now become the multi modal center for both railway and road passenger transportation.

The city tram system ended on the north side of the Main Station and the network has now been extended to serve residential areas on the south side. This required construction of a 600 m tram tunnel which crosses under the Main Station and provides an underground tram stop connecting to the railway platforms.

The challenge was to design a light trap and the central reception building now acts as a continuous airspace. This allow all levels to spatially relate from the highest level railway platforms down to the lower level tram stop.

To increase the light permeability, the top floor of the building was designed with glass platforms under a glazed roofing system.

Competence. Service. Solutions.