



THE NEW VIENNA CENTRAL RAILWAY STATION

Client: ÖBB-Infrastruktur Bau AG (Austrian Railways Infrastructure Construction AG)

Development Period: since 5/2006

THE PROJECT

On the premises of the viennese southern and eastern railway station, the New Vienna Central Railway Station is planned. The new station (through station) will connect the tracks of the Southern and the Eastern Railway Lines. It is designed to be an efficient transfer junction and constitutes a hub between three major european railway axes (TEN main axes 17, 22 and 23).

The infrastructure project covers an area of 50 ha. Furthermore, a new city district emerges with an area of 59 ha.

The project 'infrastructure' features 100 km tracks with 300 switches, 8 km noise protection walls, and bridges with a covered area of 30,000 m². The project 'real estate' totals 550,000 m² office space, 5,000 accomodation units and 8 ha green space.

OUR FUNCTION

BGG Consult is responsible for the geotechnics and hydrogeology of the whole project. An initial exploration campaign was already conducted in 1993 for a station project. In 2006, extensive subsoil investigations were carried out, based on the actual project. Subsequently, expert's reports for the environmental assessment procedures of the individual projects (railway project, real estate project, and the stations of Südtiroler Platz and Matzleinsdorfer Platz) were compiled. In addition, expert's reports for the application of building permission were prepared. In 2008, further subsoil explorations for the tender phase and the detailed planning phase were planned and supervised. BGG Consult is also offering geotechnical consulting for the sections already under construction.

Subsoil exploration:

The subsoil exploration works posed a special challenge in this project for two reasons. On the one hand, most of the work had to be carried out under consideration of the high loads of railway, road and pedestrian traffic. On the other hand, the interests and demands of numerous planners had to be considered.

Due to a long standing experience, BGG Consult was able to fulfill all these requirements on time.



*View from North-West
(Computer simulation)*