



**GROUND ENGINEERING**

**ZÜBLIN**





# BUILDING EUROPE

## THE FOUNDATION STONE OF OUR SUCCESS ...

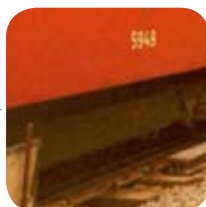
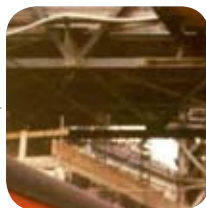
ZÜBLIN is an Austrian construction company, and a member of the STRABAG group.

Since its foundation in the year 1950 as a specialist company for grouting works in power plant constructions, INSOND has been the guarantor of innovative solutions in all areas of Ground Engineering. Since 1 January 2010, we do business under the name of ZÜBLIN SPEZIALTIEFBAU GES.M.B.H.

STRABAG is the leading construction group in Austria, Germany, Central and Eastern Europe. With more than 60,000 employees (as of 2007), the company operates worldwide. Structural and civil engineering, transport infrastructure construction, as well as tunnelling and rendering of services are our main fields. The high concentration of technical competence in each field also guarantees realisation of the most demanding ideas by interconnected working.

## ... LIES ON A SOLID FOUNDATION

From building site investigation to building pit design, as a partner in construction we operate in all areas of Ground Engineering. Grouting, building pit shoring, ground freezing, tunnel stabilization, our references increase day by day.



City Tunnel freezing, Leipzig (Main picture)  
Jet grouting - BEG H8 work, Jenbach  
(Large picture left)  
Metro construction, Vienna (1970)  
(Small picture, below)







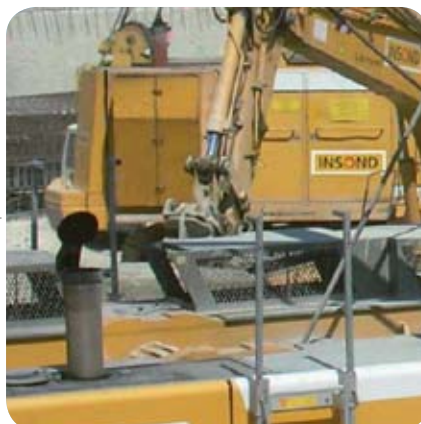
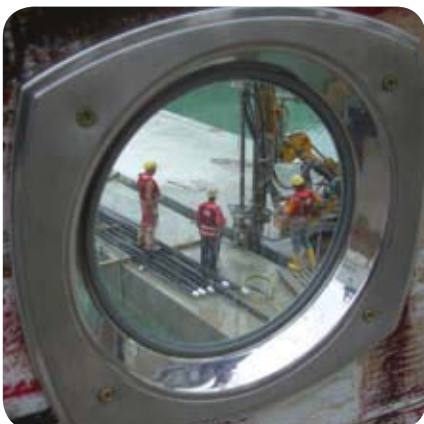
# GROUND ENGINEERING

## ACHIEVEMENTS

We operate successfully throughout Austria and internationally in large infrastructure projects. Our aim is development of new technologies as well as technical realisation of extremely demanding tasks, as well as handling traditional high-quality Ground Engineering tasks. Technical know-how, experience, and superior engineering and management performance guarantee careful, detailed execution and highest satisfaction for the client. Thereby we also count internationally as specialists in planning and execution in the field of specialised civil and underground engineering.

Anti-buoyancy piles, Ars Electronica Centre, Linz (Large picture and small picture below left)  
Bored pile and anchoring work, Koralmbahn - Hengsbergtunnel at Wildon (Picture left)

Diaphragm wall and bored pile building site (Picture group right)  
Building pit shoring, Uniqa Praterstrasse 1, Vienna (Picture group below right)









# GROUND ENGINEERING

## EXPERTISE ON OFFER

### Building site investigation

### Foundations + building pit shoring

- Bored piles
- Diaphragm Walls / Slurry walls
- Jet grouting
- Micropiles
- Anchor technology
- Shotcrete lining

### Groundwater management

- Well construction
- Groundwater drawdown
- Culverts
- Drainage

### Tunnel construction and stabilization

- Pipe arches
- Jet Grouting arches
- Grouting arches

### Grouting technology

- Low pressure grouting
- Jet Grouting
- Special grouting solutions

### Specialised technologies

- Freezing
- Geothermics
- Biosealing
- Polyamide grouting
- Guided drilling systems
- Mechatronics
- GDT floors
- Compensation grouting

### Project design

- Building pit solutions
- Groundwater management plans
- Redevelopment solutions

## DRILLING TECHNOLOGY

We can offer our clients high-quality technical and economic solutions for their demanding tasks with our development work in the field of drilling technology.

This ranges from a 1.000 m deep bore for geothermal use, catchment of drinking, mineral and thermal water or for ground investigation, over special grout drillings, to guided drilling for high-precision requirements such as horizontal freeze-hole drillings up to 250m in length.

Our experienced staff and application of the most modern equipment and measuring technology ensure the fulfilment of the highest quality demands.



City Tunnel freezing, Leipzig (Small picture top centre)

Deep drilling installation in the Semmering (Small picture centre left)

Rope grab for diaphragm wall production (Small picture below left)

Solar panels, Malaga (Picture below)



Jet grouting arch under compressed air  
BEG H7, Fritzens (Large picture left)

