



HERRENKNECHT AG.

DRILLING TOGETHER FOR PROGRESS.

Werner Glatz, Member of the Executive Board Traffic Tunnelling.
Investorenkonferenz Irak, München, November 7, 2009.



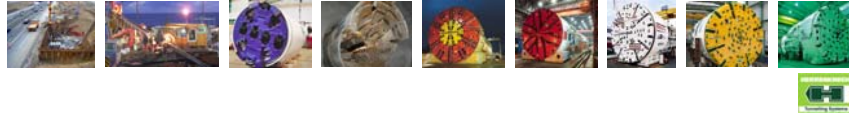
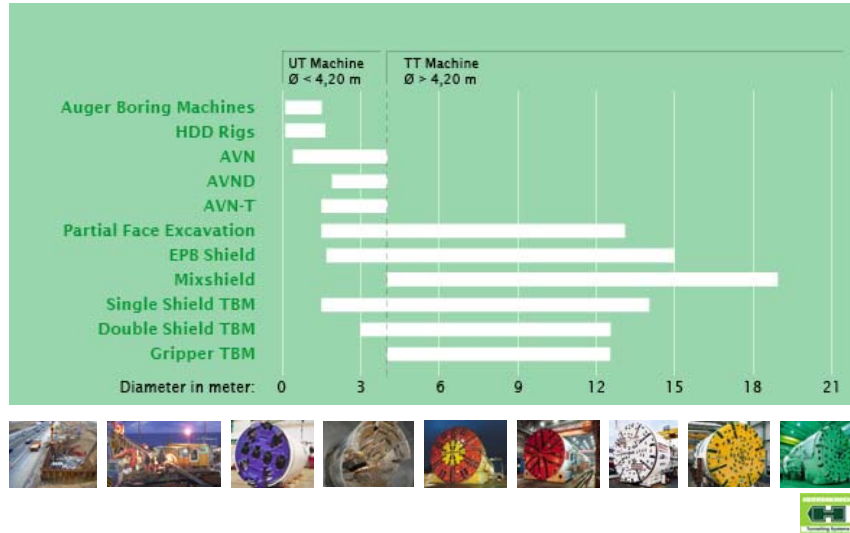
GLOBAL TRENDS.



- Population growth and urbanization
- New high-capacity infrastructures to keep people, goods and resources on the move
- Longer and deep grounded tunnels in all kinds of geologies for every traffic and utility tunnel
- Huge diameter multi-purpose tunnels
- Large scale infrastructure schemes with many simultaneous sub-projects
- Tunnels for megacities
- High-speed trains, hydropower, irrigation, sewage



PRODUCT RANGE.



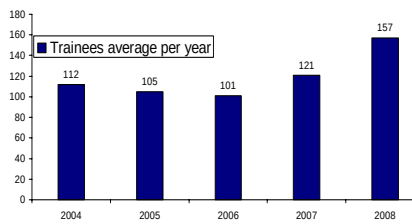
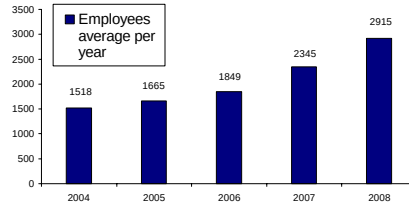
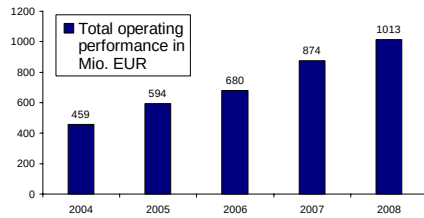
HERRENKNECHT IN SCHWANAU.



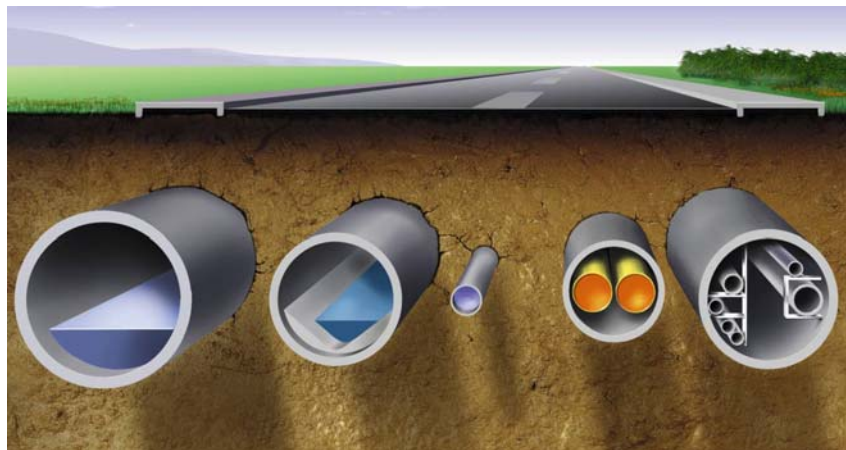
HERRENKNECHT IN THE WORLD.



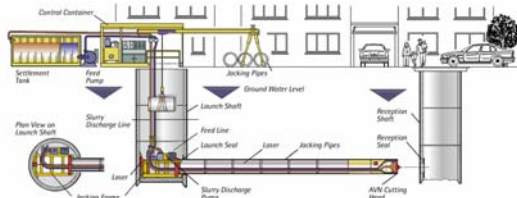
HERRENKNECHT GROUP.



UTILITY TUNNELLING. FOR ALL KINDS OF PIPE DIMENSIONS.



TOURING THE WORLD FOR UTILITY TUNNELLING.



■ New Zealand



■ Moscow and Bogota



■ Mumbai



■ Linden, USA



■ Berlin



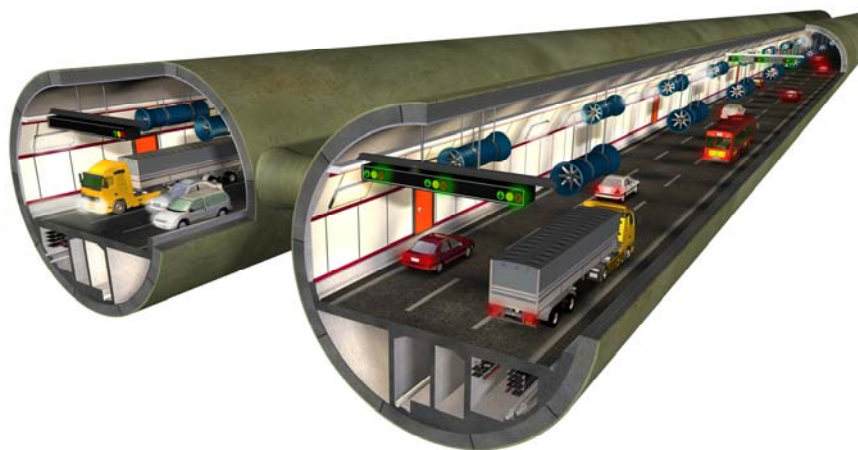
■ Cairo



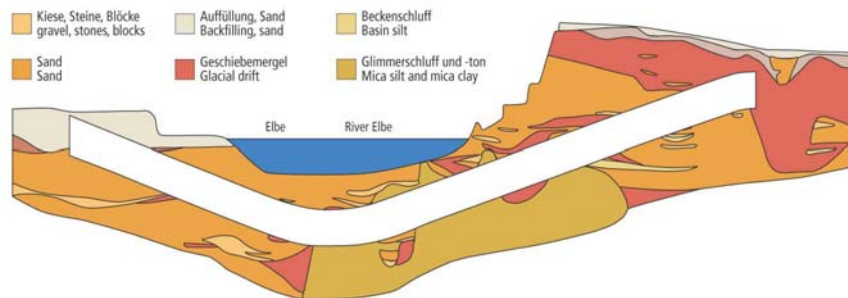
■ Jeddah



LARGE DIAMETER TUNNELLING SYSTEMS.



4th RIVER ELBE TUNNEL.



S-300 | M-30 | Madrid | Spain



EPB Shield

Diameter: 15,200mm

Tunnel length: 3,650m

Cutterhead power: 12,000 + 2,000kW

Torque: 125,268kNm

Customer: Ferrovial Agromán, S.A.;
NECSO Entrecanales Cubiertas, S.A.



GROWTH MARKET NORTH AN SOUTH AMERICA.



- Arrowhead
- Atlanta
- Los Angeles
- New York
- Portland
- Caracas
- Mexico City
- Sao Paulo



S-317 and S-318 | Changjiang Under River Tunnel | Shanghai | China



2 Mixshields

Diameter: 15,430mm



Tunnel length: 7,470m

Customer: Shanghai Changjiang Tunnel & Bridge Construction Co.,Ltd.





S-210 and S-211 | Gotthard Base Tunnel | Switzerland



2 Gripper TBM

Diameter: 8,830mm (9,430mm)

Cutterhead power: 3,500kw

Tunnel length: 25,000m

Customer: Consorzio TAT (Implema Bau AG; CSC Impresa Costruzioni SA; Impregilo S.p.A.; Alpine Mayreder Bau GmbH; Hochtief Construction AG)



S-229 and S-230 | Gotthard Base Tunnel | Switzerland



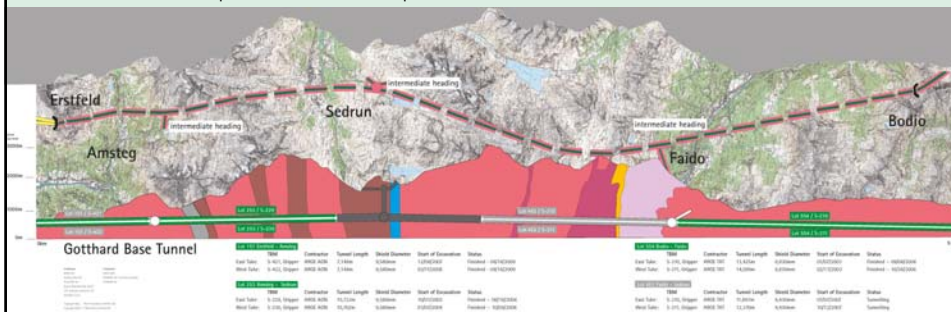
2 Gripper TBM

Diameter: 9,580mm

Cutterhead power: 3,500kw

Tunnel length: 11,300m

Customer: AGN (Murer/Strabag AG; STRABAG AG)

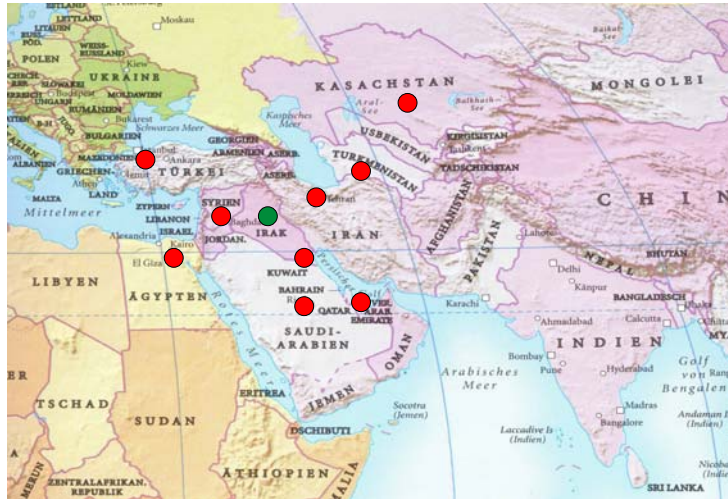


4 HERRENKNECHT GRIPPER TBM

FOR THE WORLD'S LONGEST RAILWAY TUNNEL.



HERRENKNECHT IN THE NEAR AND MIDDLE EAST.



WATER AND SEWAGE TUNNELS IN BAGHDAD.

■ 1982: 2 km of water tunnel



- East Baghdad Sewage Main Trunk
- Tunnelling since 2008
- EPB2000TB



BAGHDAD METRO.

