

## Tunnel project U3, Munich

### The project:

Construction of underground tunnel line 3 North, lot 1

Execution companies:

Consortium U-Bahn Linie 3 Nord

Ed. Züblin AG, Ndl. Tunnelbau

Ed. Züblin AG, Ndl. München

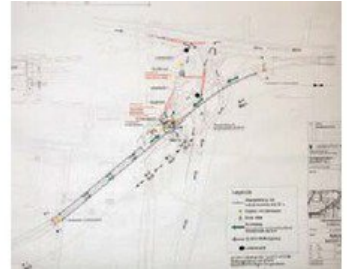
### The problem:

Pumping off the water arising during mined underground tunnel heading.

### Our solution:

Use of 9 submersible waste water pumps of Type KTZ32.2.

Because of the highly calcareous water deposits occur in the pump hydraulics resulting in pump blocking. However, due to the mechanical seal positioned completely inside and the additional shaft protection sleeve with sealing ring the pump can be put quickly with little effort and without exchanging any wear parts back into operation again.



Technické údaje KTZ: <https://www.tsurumi.eu/cs-CZ/ktz>

