



# HORIZONTAL DIRECTIONAL DRILLING

**WATER CONNECTION PIPELINE**  
Bogen/Straubing-Sand, Germany





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Bogen/Straubing-Sand, Germany

**Client:** Bayernwerk Netz GmbH

In 2021, on behalf of „Stadtwerke Bogen“ and Bayernwerk Netz GmbH, MAX STREICHER GmbH & Co. KG aA carried out drillings for a connection pipeline between Bogen and the port area of Straubing-Sand. With this project it is possible to expand the drinking water supply of the city of Bogen. Thereby the pipeline first of all crosses the river Kinsach and subsequently the river Danube.

The smaller drilling below the river Kinsach had a length of 200 m. Two further drillings, each with a length of 800 m, were executed below the river Danube. The drillings were carried out by using the fully electric driven drilling rig HDD80-E – a self-development of STREICHER. After conclusion of the drillings, steel pipes with DN 200 and DN 400 were pulled in. The former one serves as cable conduit, the latter one as protective pipe of the new water pipeline.

### Project details

Client	Bayernwerk Netz GmbH
Scope of work	Execution of horizontal directional drillings
Location	Bogen/Straubing-Sand Crossing of the river Danube
Total length	About 1,800 m: 1x 200 m, 2 x 800 m
Pipe diameter	DN 200 and DN 400 / DA 500 and cable conduit 125/160
Plants	1 HDD plant 80 t (HDD80-E, self-development)
Construction period	August 2021 – November 2021



### Challenges

- Laying and welding of the pipeline for the insertion
- Heavy rock (at DA 500 and 2 x cable conduits)

Location:  
Bogen/Straubing-Sand, Germany