



## Our maximum - The largest FLEXWELL DHC for the Worblental heating network

FLEXWELL DHC 2 x 226 m | DN 150

**BRUGG**

Pipes

Pioneers in Infrastructure





## Project

We have successfully completed the expansion of the district heating network for our customer EBL (Genossenschaft Elektra Baselland) in the Swiss capital of Bern. With our extremely heavy-duty FLEXWELL DHC district heating pipeline, we have completed a crucial construction phase. Namely the connection between the municipality of Ittigen and the city of Bern. Our pipes were laid under the River Aare to supply the Worblental heating network with sustainable heat in the future.

## Execution

The project began immediately after Easter with the delivery of two of our FLEXWELL DHC pipes in the largest available dimension DN 150, which weighed an impressive 7.5 tons per pipe. With a casing diameter of 310 millimetres, a pipe length of 226 meters each was transported to Bern on two drums. Thanks to the use of a special transport with extra width, the pipes were also transported over narrow stretches of land.

The construction site was managed thanks to the use of heavy machinery and six experienced fitters. A special mobile crane with a lifting capacity of 130 tons was used to unload the pipes. Another 60-tonne pneumatic crane lifted the drums into the pipe-laying trolley. Two of the FLEXWELL DHC district heating pipes were pulled from the starting trench on Arastrasse in Ittigen into the empty pipes and laid from there under the river up to Tiefenastrasse in Bern using cable winches.

## Product advantages

Our FLEXWELL DHC with a stainless-steel inner pipe is characterized by its exceptional robustness. The double-walled steel jacket ensures outstanding corrosion resistance and is ideal for transporting a wide range of media. The pipe can withstand high temperatures and heavy loads, while cleverly adapting to difficult route conditions. The integrated monitoring wires are an additional feature that enables optimum safety monitoring of the installed pipes.