



**District heating pipeline crosses beneath road
and school grounds
DE-Sondershausen, 2026**

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Pipes

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225 metres of FLEXWELL-FHK enable trenchless pipeline installation under challenging conditions

In Sondershausen, Thuringia, Stadtwerke Sondershausen GmbH implemented a new district heating connection in the area of Frankenhäuser Straße.

A particular challenge of the project was the pipeline routing: a fully renovated road and the grounds of the Östertalschule school had to be crossed beneath without opening up the surfaces along the entire route.

The flexible steel-cased pipe FLEXWELL-FHK 200/310 from BRUGG Pipes was used for the project. The pipe system is particularly suitable for challenging routes and trenchless installation. A total pipe section of 225 metres was used.

225 metres of pipe in one continuous length

The exceptional length of the pipe section placed demands not only on the actual installation, but also on transport and construction site logistics. A suitable transshipment area had to be defined in advance for the delivery and handling of the large pipe reel. From there, the pipe was transported to the launch pit using appropriate pulling equipment and then pulled into the prepared route.

By using FLEXWELL-FHK, the district heating pipeline could be installed largely without open-trench construction over the entire route.

This made it possible to avoid extensive interventions in the already renovated Frankenhäuser Straße and the adjacent school grounds.

The installation took place in calendar week 33 of 2026. In addition to supplying the pipe system, BRUGG Pipes also supported the project with the organisation and execution of the installation.

Combination of different pipe systems

The project was implemented as a mixed project. In addition to FLEXWELL-FHK, plastic-jacketed pipes were also used along the further course of the district heating connection.

This made it possible to meet the different requirements of the individual route sections with suitable pipe systems in each case.

The trenchless crossing demonstrates the advantages of FLEXWELL-FHK, particularly where existing infrastructure, traffic areas or sensitive areas are to be affected as little as possible.



Project data

Project: District heating connection Frankenhäuser Straße – Östertalschule heating plant

Location: Sondershausen, Germany

Client / end customer: Stadtwerke Sondershausen GmbH

Other project participants: Bohrtechnik Watterodt

Pipe system: FLEXWELL-FHK 200/310

Dimension: FHK 200/310

Length: 225 m

Installation: CW 33/2026

BRUGG Pipes scope: Supply and installation

Special feature: Trenchless crossing beneath a fully renovated road and the school grounds