



**FLEXWELL-FHK crosses beneath Berliner
Verkehrsbetriebe railway tracks
Berlin, Germany, 2026**

BRUGG
Pipes

Pioneers in Infrastructure



District heating supply on challenging terrain

On the premises of Berliner Verkehrsbetriebe (BVG), two existing workshop buildings are being dismantled as part of planned new construction projects. However, heat supply lines run through these buildings and supply two additional buildings with heat. To ensure that their supply remains secure after the dismantling, the existing pipeline routes need to be rerouted.

A particular challenge is posed by the railway tracks on the premises. Due to the existing infrastructure and restricted space, conventional installation in an open trench is not possible in this area. The solution: Two approximately 160-metre-long sections of BRUGG Pipes' flexible district heating cable FLEXWELL-FHK 200/310 are being routed beneath the existing railway tracks using horizontal directional drilling.

Trenchless installation beneath existing tracks

Horizontal directional drilling makes it possible to route the new pipelines beneath the existing infrastructure without having to open up the railway tracks along the entire route. Particularly on operational premises with extensive existing infrastructure, this method offers decisive advantages.

FLEXWELL-FHK is a pipe system particularly suitable for challenging routing and trenchless installation methods. Thanks to its flexible design, long pipe sections can be pulled in as a single length, thereby reducing the number of connections required along the route.

Despite the challenging conditions, both approximately 160-metre-long FLEXWELL-FHK pipelines have now been successfully pulled beneath the railway tracks using horizontal directional drilling.



Next steps for the new pipeline route

Following the successful installation of the two pipelines, the next project step will involve installing the end connections and two T-branches. The new pipelines can then be integrated into the existing heat supply system.

The project demonstrates how FLEXWELL-FHK can be used to implement challenging pipeline routes within existing infrastructure. The combination of a flexible pipe system and trenchless installation enables a reliable heat supply even where railway tracks, restricted space and existing structures place special demands on planning and execution.



Project data

Project: Rerouting of heat supply for Berliner Verkehrsbetriebe workshop

Location: Berlin, Germany

Application: Rerouting of existing heat supply lines

Buildings supplied: 2 workshop buildings

Pipe system: FLEXWELL-FHK

Dimension: FHK 200/310

Pipeline length: 2 × 160 m

Installation method: Horizontal directional drilling

Special feature: Trenchless crossing beneath existing railway tracks