

Reference Data Sheet

District heating network expansion in the Paulusviertel

**Project owner**

EVH GmbH

Construction period

10/2022 - 07/2023

Net contract value

763.000 €

ContractorFRIEDRICH VORWERK SE & Co. KG
NL Halle (Saale)**In-house Services**Civil engineering
Pipe laying
Electrical installations
Road construction
Demolition work**Special details**

Work within the boundaries of a heritage site

With construction commencing in October 2022, FRIEDRICH VORWERK SE & Co. KG carried out an extension to the district heating network in the Paulusviertel district of Halle (Saale). The aim of the project was to connect the district's existing isolated network to the inner-city district heating network and to further extend centralised heat supply to the Paulusviertel district.

In the run-up to the installation of the district heating system, a new drinking water pipe was laid in the construction area. This work was carried out in coordination with the district heating project, with the respective laying depths being aligned to ensure that construction proceeded smoothly.

The construction phase extended from Willy-Lohmann-Straße via Rathenauplatz to Maxim-Gorki-Straße. In total, the project covers three sections of road with a route length of around 300 metres. Plastic-coated composite pipes (KMR) up to a size of DN 200/315 were laid. For supply-related reasons, the connection work was carried out in parallel with and outside the heating season to avoid any impact on the heat supply to the connected households. The final connection of the pipeline therefore took place in April 2023, and the entire project was completed in July 2023.

The location of the construction site within a designated heritage area gave rise to specific requirements. The construction project was therefore carried out in close consultation with the relevant heritage protection authority. Furthermore, striking roadside trees characterise the streetscape along all three streets, and it was essential to ensure their protection and preservation during the construction work.

Another challenge was the surface treatment of the affected roads. These consist mainly of large-stone or natural-stone paving. As the city was unable to provide suitable replacement material, particular care was taken during the demolition work to fully secure the existing paving material and reuse it for the subsequent restoration of the road surfaces.