

Reference Data Sheet

Replacement construction of the FWS 15

(WÜST Heide-Nord to Fischerring)



Project owner

Energieversorgung Halle Netz GmbH

Construction period

08/2023 - 11/2023

Net contract value

913.378 €

Contractor

FRIEDRICH VORWERK SE & Co. KG
NL Halle (Saale)

In-house Services

Underground and pipeline construction
Electrical installations
Road construction
Demolition work

Special details

To ensure that service interruptions were kept to a minimum, refurbishment work was already carried out on the WÜST site in 2022, enabling the replacement – which partly followed the same route – to be carried out without any service interruptions.

Between August 2023 and November 2023, the replacement of district heating secondary pipeline (FWS) 15, running from the Heide-Nord heat transfer station (WÜST) to Fischerring in Halle (Saale), was completed. On behalf of Energieversorgung Halle Netz GmbH, the work was successfully carried out by FRIEDRICH VORWERK SE & Co. KG, Halle (Saale) branch.

As part of the pipeline construction, district heating pipelines with dimensions of DN 250/400, DN 200/315 and DN 125/225, with a nominal pressure of DP 16, were laid over a total length of approximately 350 metres. District heating secondary pipeline 15 supplies the Heide-Nord residential area, a district of the city of Halle (Saale), from the Heide-Nord heat exchange station. On the site of the heat transfer station, the pipeline was initially routed as an above-ground trench with a nominal diameter of DN 400 and was then divided there into two sections as a buried pipeline to supply residential complexes 1 and 2.

As part of the construction project, the supply pipes were redesigned in line with network requirements to ensure that the pipe dimensions were adapted to meet current demand. Following the successful laying of the new pipeline sections, the old above-ground pipes were removed and the site was restored to its original condition in accordance with best practice. In addition to the district heating pipes, cable protection conduits for the IT infrastructure were also laid.

Further construction phases of the replacement project for District Heating Pipeline 15 were also successfully completed by the colleagues involved.