



## Ferngas Netzgesellschaft mbH

### Client

Ferngas Netzgesellschaft mbH

### Construction time

06/2019 - 12/2023

### Order value net

9,999,999,999 €

### Contractor

FRIEDRICH VORWERK SE & Co. KG  
EAS Einhaus Anlagenservice GmbH

### Own work

Civil engineering and pipeline construction, station construction, KKS, EMSR, Crossings in the drilling process

### Subcontractor services

Closed dewatering Bunting, NDT, HDD; culvert construction, Substitute supply

### Features

Extensive archaeological investigations, Planning approval

### Contact

[www.friedrich-vorwerk.de](http://www.friedrich-vorwerk.de)

## New installation of gas pipeline 442

The existing pipeline EGL442, built in 1954 and 1967, runs from Limbach near Sonneberg to Niederhohndorf north of Zwickau.

It currently has an operating pressure of 25 bar (DP 25) and a total length of approx. 125 km in nominal sizes DN 400/500. It is planned to construct EGL 442 with continuous piggability and in pressure stage DP 84. In this context, 3 pigging stations, 18 groups of fittings and 17 connection pipes of downstream network operators will be renewed. Along the route there are suspected areas where archaeological sites are to be expected.

In order to guarantee a continuous gas supply, no pipeline replacement may take place during the heating period. By means of extensive replacement supply supply to downstream customers is ensured by means of an extensive downstream customers is ensured.

In addition to the observance of nature conservation law restrictions in the Reichmannsdorf area, the requirements for requirements for the clearing work in the Thuringian forest have to be taken into account. Of note is the lowering of the water level of the Zeulenroda reservoir in order to secure the relocation of a 301 m long culvert.

An enormous logistical challenge is also the carrying out the water pressure tests at a difference in altitude of 360 m.