

Blaichach

Long-Distance Water Supply of Upper Allgäu



Client

Fernwasserversorgung
Oberes Allgäu [Upper
Bavarian Distant Water Supply]

Period

2005 - 2006

Project Cost

2.000.000 €

Abstract

Flood disaster of Iller in August 2005 led to partial destruction of the main water supply pipeline DN 600 in Westallgäu. As a result, the drinking water pipeline had to be relocated at short notice. As a temporary measure, a 600 m long cast iron pipe DN 250 was installed aboveground. The new pipeline must be protected for future floodings. An inverted syphon under Iller and a flooded gravel pit were installed with ferroconcrete protection pipes DN 1000 with a length of 140 m through the Microtunneling process. The new pipeline, with a length of 700 m, was installed underground, 100 m of which upon cast foundation piles with fixation against flooding. The entire pipeline relocation covered an area of 840 m.

Scope of Service

pre-design, design, approval design,
execution design, preparation of tender
documents, construction supervision, site
supervision

commissioning
safety and health protection
participation in funding procedures
measurement

Technical Data

Pipelines, DN 600 GGG	840 m
Ferroconcrete protection pipe, DN 1000	140m
Fixed upon cast foundation piles	100 m
Operation pressure	9 bar
Flow rate up to	600 m ³ /h