

# ONTRAS Gastransport GmbH

**Client**
ONTRAS Gastransport GmbH

**Construction time**
05/2016 - 10/2016

**Order value net**
1,100,000 €

**Contractor**
FRIEDRICH VORWERK SE & Co. KG

**Own work**
Civil engineering and pipeline construction, jacket pipe rehabilitation, sliding group construction, Lowering

**Subcontractor services**
Cathodic corrosion protection, non-destructive materials testing, pressure tests, dewatering work, Foundation work

**Features**
Safeguarding of defects (intelligent pigging) with Res-Q process, Preservation of the valve Feet

**Contact**
www.friedrich-vorwerk.de

## ARGE Rehabilitation FGL 214

The FGL 214 high-pressure natural gas pipeline, DN 800, design pressure DP 63 bar, runs from Kallinchen via Buchholz to Bobbau. It was commissioned in 1988 and is an important link in the ONTRAS Gastransport GmbH gas transmission system.

Gastransport GmbH. After evaluation of a technical condition analysis by means of intelligent pigging and intensive measurement, rehabilitation measures were necessary over a length of 220 km. The contract for the rehabilitation was awarded to a consortium in which VORWERK had to implement 17 construction projects. The 30 construction measures were carried out in 7 construction phases and 4 free shutdowns. The most important components were the elimination of shortfalls in coverage, the construction of a new group of fittings, the removal of casing pipes with and without the replacement of media pipes, the installation of fittings and diagnostic measures with Res-Q fuses. The magnetism caused by the intelligent pigging had to be taken into account during all disconnection and tie-in work and compensated for with the necessary equipment.

In the construction areas with media pipe changes, steel pipe DN 800 (813x14.2),material L360NE was used. The pre-construction was carried out using the E-Hand 111 welding process and the tie-ins were welded using TIG/KB.

The individual construction sections were completed on schedule and handed over to the operator on time for commissioning. handed over to the operator.