

PIPE EXPRESS®

ECO-FRIENDLY INSTALLATION OF PIPELINES



Pipe Express® – Semi-trenchless pipe construction method

- › Eco-friendly
 - Smallest possible route width
 - Minimum earth shifting
 - Minimum disturbance of flora and fauna
 - No groundwater lowering necessary along the route
- › Pipeline installation in a single step
- › High installation speed
- › Low personnel requirement
- › Less jobsite equipment

**PIONEERING
UNDERGROUND
TECHNOLOGIES**



Supported by:



Federal Ministry for the
Environment, Nature Conservation
and Nuclear Safety



Herrenknecht Pipe Express®

Minimized landscape encroachment



The push force delivered by Herrenknecht Pipe Thruster.



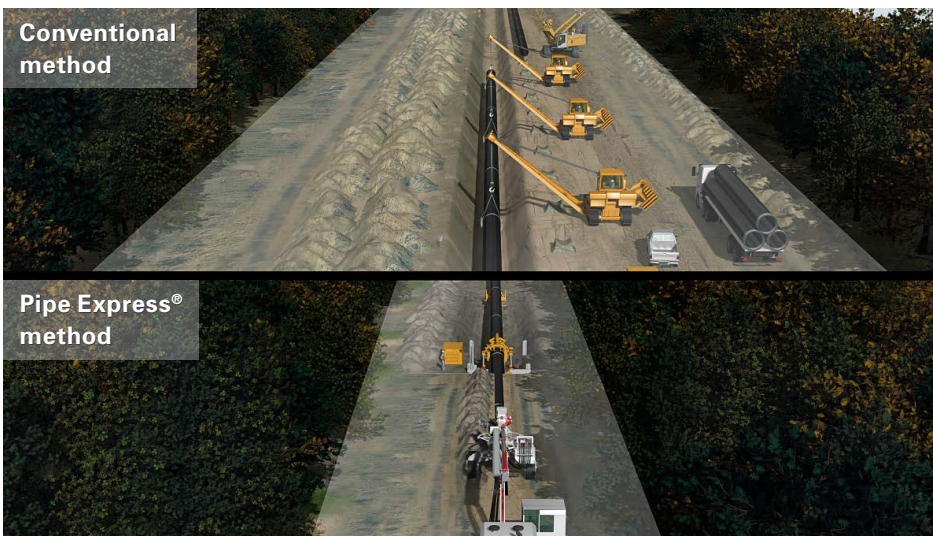
Surface vehicle with power unit compartment.

The Pipe Express® technology has been developed to reduce environmental impact and costs, as well as to shorten the construction time. As a result, the corridor and the corresponding earthworks can be reduced by up to 70 %.

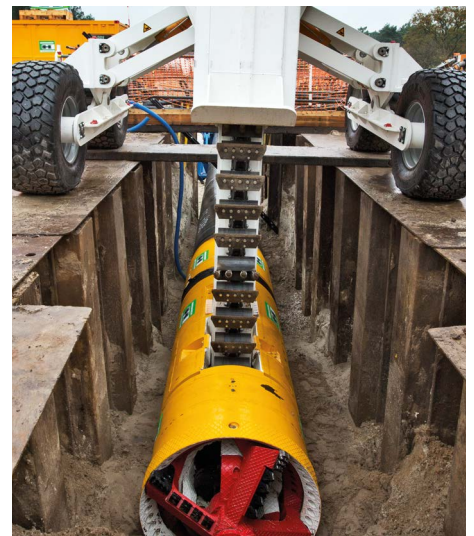
The technology is suitable for pipelines with diameters of 900 to 1,500 millimeters and distances of up to 2,000 meters. A TBM loosens the soil, which is then transported directly to the surface via an attached trenching unit. The required thrust for both tunnelling unit and pipeline is provided by a Herrenknecht Pipe Thruster.

PIPE EXPRESS® SYSTEM

- › Drive length: $\leq 2,000$ m
- › Pipeline diameter: 900 mm – 1,500 mm (36" – 60")
- › Overburden: 500 mm – 2,500 mm
- › Advance rates of up to: 1.2 m/min



Reduction of pipeline Right of Way (ROW) with Pipe Express®.



The Pipe Express® system including a TBM and a trenching unit as a vertical connection between the TBM and the surface.

HERRENKNECHT AG

77963 Schwanau
Germany
Phone +49 7824 302-0
Fax +49 7824 302-3640
utility@herrenknecht.com
www.herrenknecht.com

