

Project F206: Trenchless installation methods for district-heating piping systems



Open-trench installation of
district-heating piping

Ever greater importance is being attached to the expansion of district-heating networks as energy development progresses. Costs can be saved and resources conserved by installing new piping systems using trenchless technologies.

However, the trenchless installation of district-heating systems frequently encounters scepticism due to a lack of basic knowledge about its use. A research consortium consisting of AGFW, IKT and seven other partners, now intends to identify and eliminate existing technical and non-technical factors limiting trenchless district-heating piping installation.

IKT is performing tests on wear-protection for the plastic jacket of district-heating pipes, and is also participating in market research into products and procedures for trenchless installation of district-heating piping systems.

Project title

“Identification of potentials for and limitations on the use of trenchless installation methods for district-heating piping for comparative tests at points of material changeover/transition”

Project management

AGFW – Projektgesellschaft für Rationalisierung, Information und Standardisierung mbH

Project participants

The German federal economics and energy ministry is the client

- Brugg Rohrsysteme GmbH
- Institute for Geotechnical Engineering, Leibniz University of Hannover¹
- Weimar Research Institute for Underground and Piping Engineering
- IKT - Institute for Underground Infrastructure
- Hanover District Heating Research Institute.
- Hannover University of Applied Sciences
- Tracto-Technik GmbH
- Veenker GmbH

Client

Federal Ministry for Economic Affairs and Energy (BMWi)

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