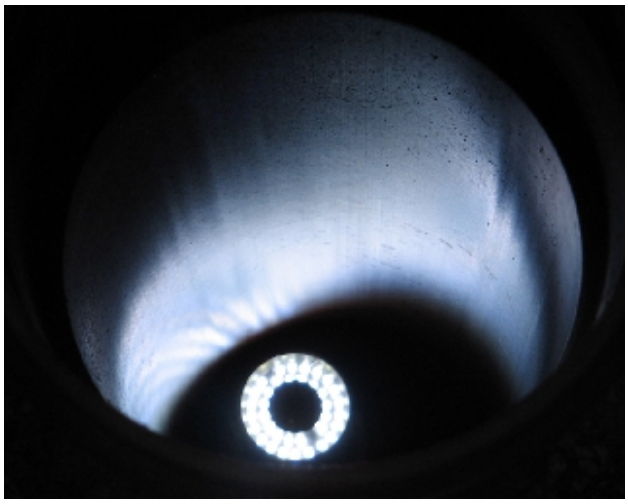
IKT Comparative Test “Inspection systems for site drainage networks”



Inspection cameras throw light on dark places

This IKT Comparative Test clarifies how the various inspection systems for site drainage available on the market meet the demands placed on them and reveals specific strengths and weaknesses in each system. All the systems tested were found to be basically suitable for the inspection of site drainage networks.

Title

IKT Comparative Test “Inspection systems for site drainage networks”

Downloads

(German versions only)
Table of results
Test Report (98 pages)
Short report (14 pages)

Clients

Cameras for sewer laterals must have flexing capability

- City of Alsdorf municipal waste-water management utility
- City of Bergisch Gladbach waste-water utility
- City of Dinslaken
- Düsseldorf urban drainage utility
- City of Gladbeck
- Göttingen urban drainage utility
- City of Hilden
- Cologne urban drainage utilities
- City of Neuss
- Niederrheinische Versorgung und Verkehr AG (NVV; Lower Rhine regional supply/disposal and transport utility)
- Stadtwerke Quickborn (municipal utility)
- City of Recklinghausen
- Warendorf disposal utility
- Würzburg state civil-engineering department

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IKT Comparative Test “Repair methods for sewer lateral connections”

Laterals all lined up: Test layout at the IKT large-scale facility

Damage to the lateral connections on main sewers is a frequent occurrence. Common types include intruding and detached damaged connecting lines and cracks and/or spalling around the lateral connections. Injection and top-hat section methods for the repair of sewer lateral connections have been tested to

the limit in an IKT Comparative Test. The assessment criteria were the system tests performed by IKT in test lengths, the method suppliers’ Quality Assurance measures, and on-site tests.

Title

IKT Comparative Test “Repair methods for sewer lateral connections”

Downloads

(German versions only)
Table of results “Injection methods for standard damage”
Table of results “Injection methods for extreme damage”
Table of results “Top-hat section methods for standard damage”
Table of results “Top-hat section methods for extreme damage”
Test report (175 pages)

Clients

- City of Ahlen waste-water utility
- City of Alsdorf waste-water utility
- City of Beckum
- City of Bergisch Gladbach waste-water utility
- City of Braunschweig
- City of Dinslaken
- City of Dortmund
- Düsseldorf municipal drainage department
- City of Espelkamp
- Stadtwerke Essen AG municipal utilities
- City of Gladbeck
- Hamburg municipal drainage department
- City of Hamm
- City of Hemer
- City of Hilden
- City of Iserlohn
- Kamen municipal drainage department

- City of Kempen
- City of Monheim-on-the-Rhine
- City of Neuss
- Niederrheinische Versorgung und Verkehr AG (NVV, Lower Rhine municipal supply/disposal and transport utility)
- City of Recklinghausen
- City of Rietberg
- Troisdorf municipal utilities
- Tönisvorst municipal waste-water utility
- Warendorf municipal disposal utilities

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IKT Comparative Test “Sewer lateral saddles”

IKT has tested nine commercially available sewer lateral saddles on behalf of fourteen sewer-system operators. In view of the frequency of damage in their own systems, these operators perceive a significant risk for their investments when installing sewer lateral saddles. The underlying concept of the IKT Comparative Test is that of intensive cooperation between research and practice. The IKT Comparative Test “Sewer lateral saddles” has therefore been developed on the basis of the practical experience of the participating system operators.

Title

IKT Comparative Test “Sewer lateral saddles”

Downloads

(German versions only)
Table of results
Test report (102 pages)
Short report (5 pages)

Clients

- City of Bergisch Gladbach waste-water utility
- City of Bochum, underground-engineering department
- City of Braunschweig, urban drainage department
- Duisburg municipal utilities
- City of Düsseldorf, urban drainage utility
- Stadtwerke Essen AG (municipal utilities)
- Gelsenkanal, Gelsenkirchen (drainage/sewer utility)
- City of Krefeld, underground-engineering department
- Leverkusen municipal technical utilities
- Niederrheinische Versorgung und Verkehr AG (NVV, Lower Rhine municipal supply/disposal and transport utility), Mönchengladbach
- Mülheim/Ruhr municipal urban drainage utility

- City of Neuss, urban drainage utility
- Wirtschaftsbetriebe Oberhausen GmbH (municipal utilities)
- City of Recklinghausen, underground-engineering department

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