

Organisation: City of Oslo, Agency for Water and Wastewater services

Name, position: Kari E. Fagernaes, Head of department

No-dig: How to make Trenchless Pipe Rehabilitation truly trench-free

Main findings

It is possible to connect new branch pipes to a main pipe without digging a trench by using technology.

Summary

Trenchless methods of repairing drinking and waste water pipes (like the re-lining of pipes with reinforced fabric), are not totally dig-free.

For years, if you wanted to lay pipes, you had to dig a trench, which caused disruption to streets, businesses, people and traffic.

However, the Norwegians developed a technology which drills, positions and lays new branch pipe connections from the basement of a house to the water pipeline without the need to dig up entire streets.

Methodology

The technology is presented on:

<https://www.youtube.com/watch?v=KtbXv1wBF14>

Conclusion and further information

Total trenchless rehabilitation is more sustainable: less transportation of unearthed soil, less impact on traffic/citizens, higher renewal pace, lower cost per meter of renewed pipe.

More information: <https://www.oslo.kommune.no/politikk-og-administrasjon/prosjekter/nodig-challenge/#gref>

Contact person: christian.tveitnes@vav.oslo.kommune.no
