

GRAVITY SEWER DRILLING RIG

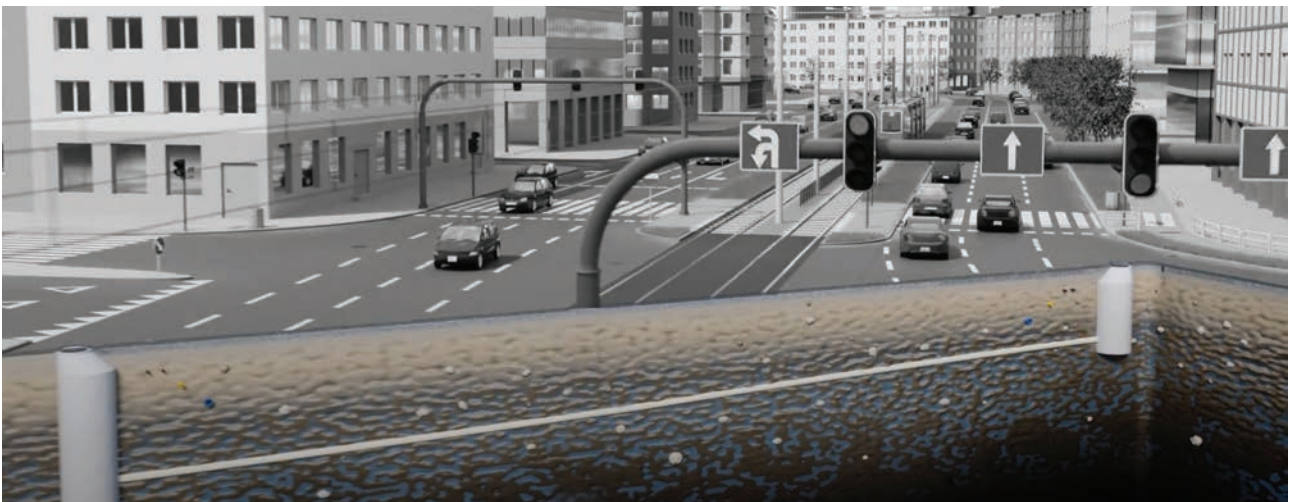
GRAVITY SEWER DRILLING RIG

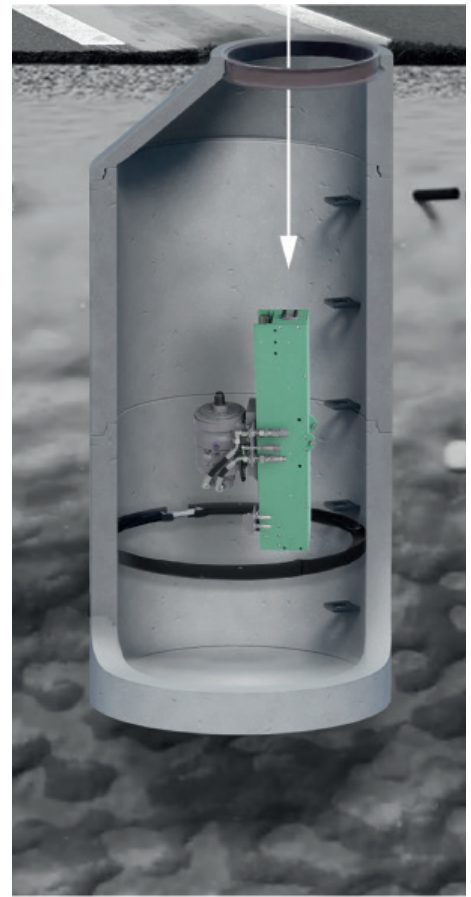
It is an innovative device that allows you to perform gravity sewer installations that require high precision of the installation. Our gravity drilling technology does not require excavation pits and allows drilling in all ground conditions, even with the occurrence of groundwater.



ADVANTAGES THAT DISTINGUISH OUR TECHNOLOGY

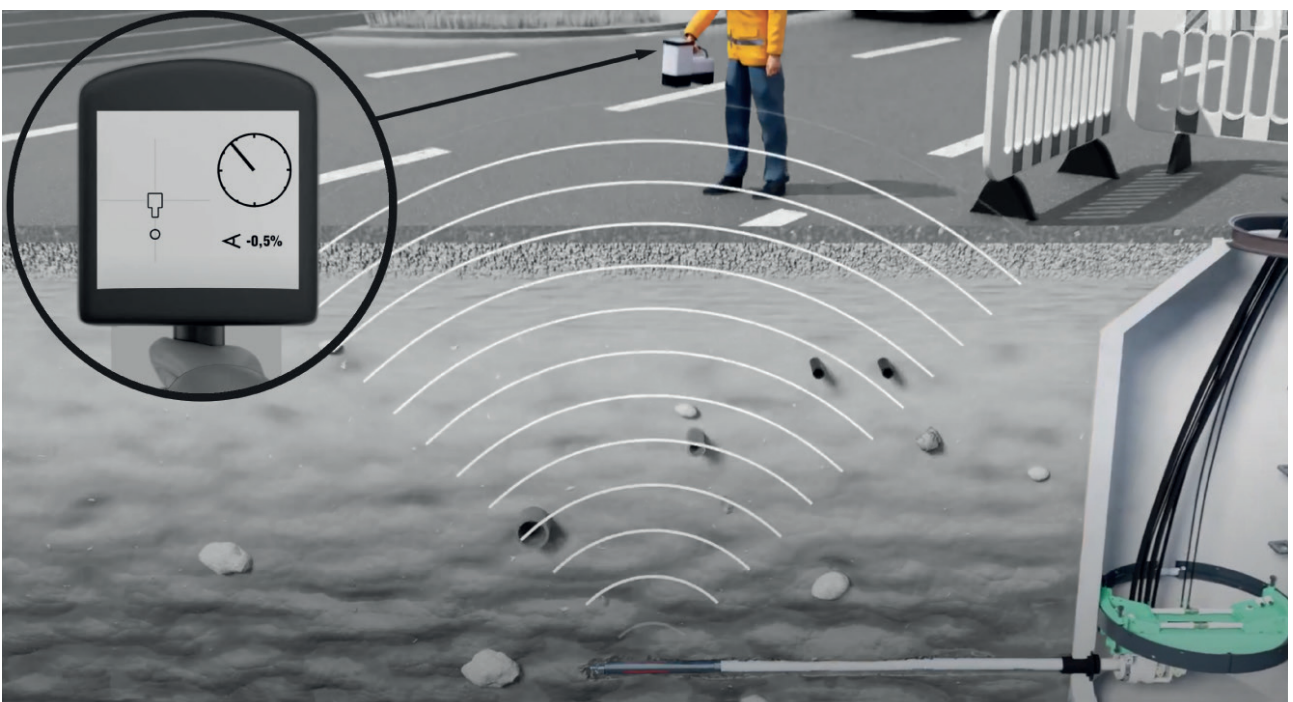
- Small dimensions of the device (all work is carried out from manhole DN 1000 or DN 1200).
- No excavation is required, as drilling begins and ends in the manhole.
- The dual drive allows you to work in all ground conditions.
- In urban areas, we do not interfere with the existing surface and infrastructure.
- Installation with an accuracy of 2‰ using a remote radio location system.
- Execution of the channel at the very bottom and under the cover of the manhole.
- Construction of installations in places where groundwater occurs without the need for drainage.
- Work from manhole with low mechanical strength.
- No need to block sewage.
- It is possible to drill at any depth.
- The gravity drill rig is placed in the shaft through a typical manhole cover DN 600.





DRILLING PRECISION

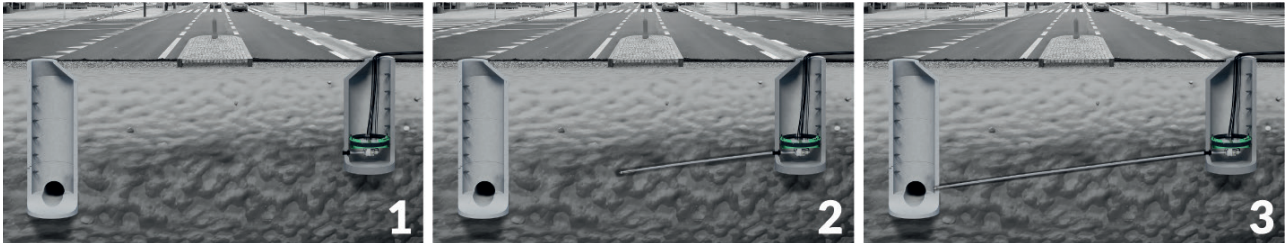
The use of double-drive with a remote radio location system and the possibility of control the direction of the pilot drilling guarantees the highest precision of the inclination of up to 2% and unique drilling accuracy. The results are achieved regardless of the type of soil in the area of the works carried out. The reaming of encountered obstacles allows to maintain the desired path.



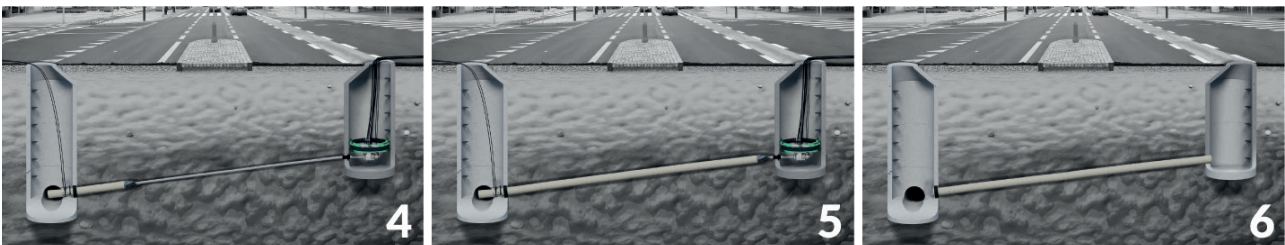
CONSTRUCTION OF A NEW INSTALLATION

All works are carried out between existing sewer manholes without the need of excavations, which is the greatest advantage of our gravity drilling technology in densely built-up areas. The construction of the pipeline takes place in two stages;

1. We perform a precise pilot drilling with a pilot drilling rod with double drive, which is monitored by a radio location system and remotely controlled, which guarantees the perfect installation.

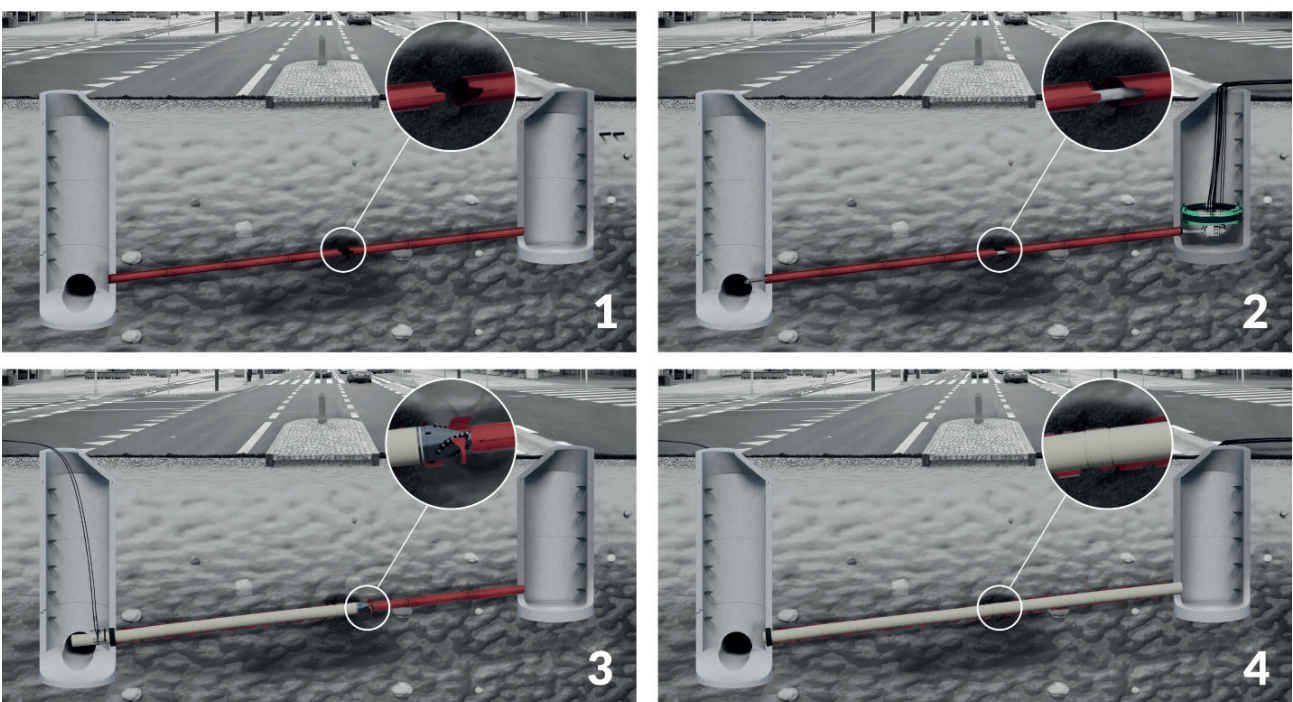


2. The next pass, we drill through the exit manhole wall and then, behind the reamer, we pull in the PP pipeline modules. The subsequent modules are attached by means of a hydraulic pipe assembly tool.



RENOVATION OF AN EXISTING INSTALLATION

We also offer an option of rehabilitating and unblocking damaged sewers. Our technology does not interfere with the existing infrastructure, thereby reducing the costs. The repair process consists of filling the damaged section with injection mortar, and then replacing the existing pipe by reaming it and pulling in a new pipe made of PP modules.



OUR TECHNOLOGY INCLUDES MODULAR PIPES

Modular pipes are used to perform the sewer installation using the Gravity Sewer Drilling Rig. We offer PP pipes made of the highest quality materials, which ensures the accurate and quick installation work and reliability of the sewers.



THE MOST COMMONLY USED DIMENSIONS OF PP PIPES		
Outside diameter	Wall thickness	Inner diameter
110	10.0	90.0
180	10.2	159.6
225	13.8	197.4
250	14.2	221.6
280	15.9	248.2
315	17.9	279.2
400	22.7	354.6
500	28.3	443.4

VISIT OUR WEBSITE OR CALL

TECHNOLOGY

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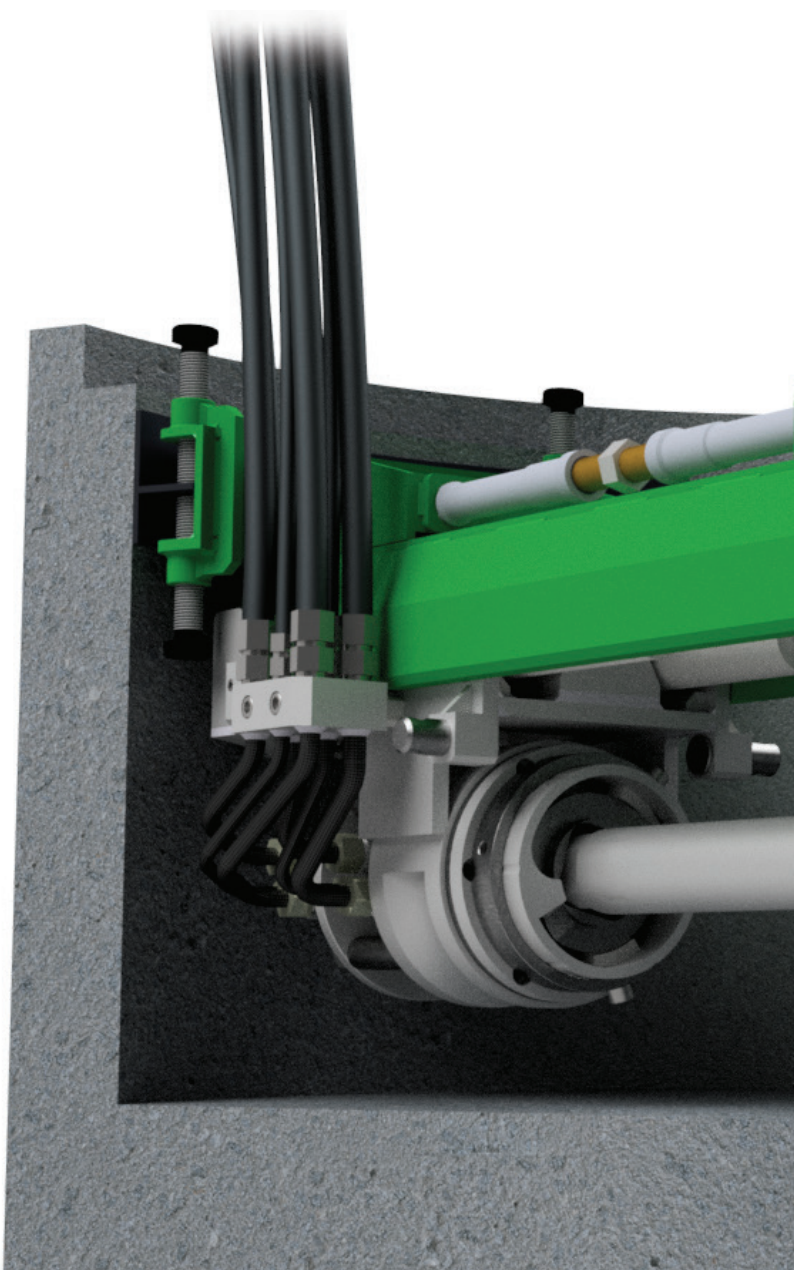
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