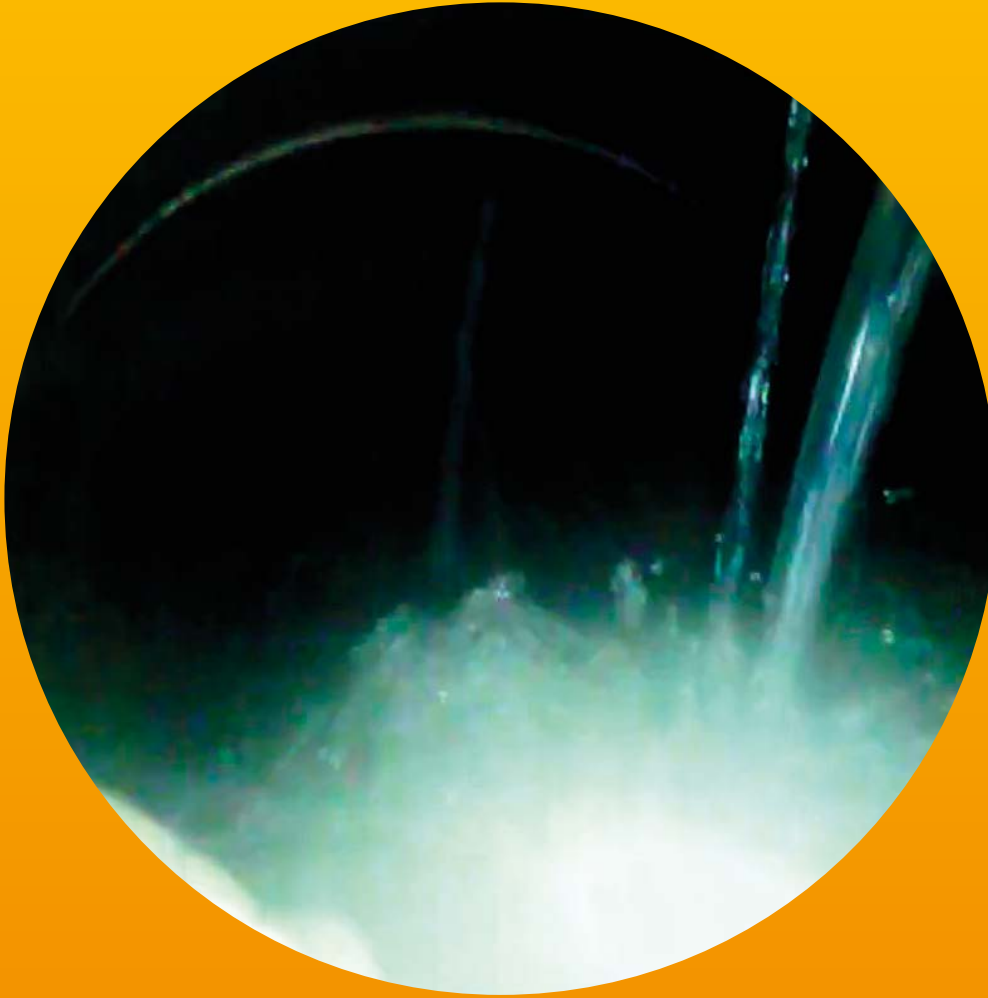




WORLD WIDE WATER



MTA PIPE ELECTROSCAN®

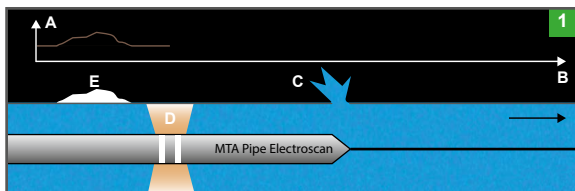
CONDITION ASSESSMENT
OF SEWER PIPELINES



MTA PIPE ELECTROSCAN®

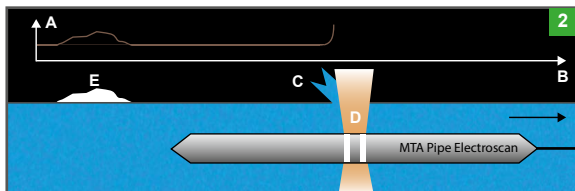
THE NEW WAVE TECHNOLOGY

The electromagnetic measurement system MTA Pipe Electroscan is used to locate and qualify damage in non-conductive sewage pipes. Already in the 90s of the last century there were attempts to detect leaks in sewers by means of Electroscan. Today, more than 20 years later, state-of-the-art technology enables translating the principle envisaged at that time into a reliable measuring system for determining and evaluation the condition of a pipeline.

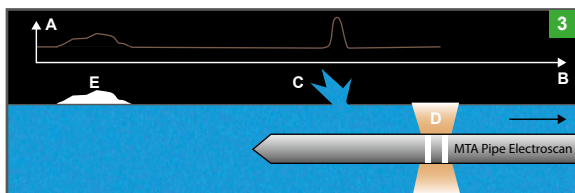


With this non-disruptive method, a probe emitting an electric field is drawn through the channel and a voltage is applied against the surrounding soil.

As soon as the circuit is closed due to damage, a conductive connection to the outside is created, over which current flows.



This allows a continuous 360° status determination of the entire pipeline.



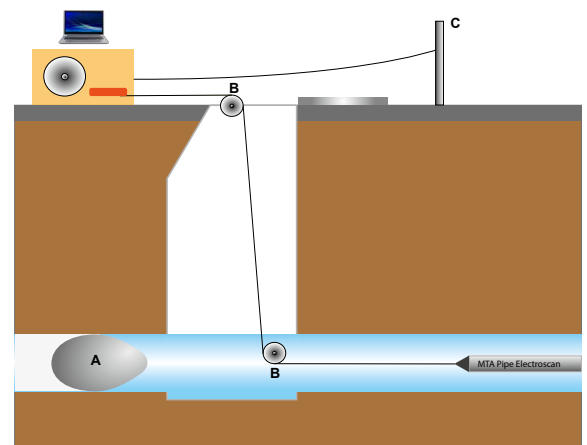
A=Electricity, B=Length, C=Leakage,
D=Electric field, E=Cavity

DETERMINING

- cavities
- deposits
- damage to pipe structure and joints (corrosion, dislocations, ...)

FEATURES

- 360° scan over the entire pipeline length
- precise location and qualification of damage
- for non-metallic pipes
- length measurement
- data basis for risk management



A=Sealing bag, B=Pulley,
C=Ground spike (Grounding)



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