



A PILOTED TOOL FOR CONDITION ASSESSMENT OF LARGE-DIAMETER WATER PIPELINES

The PipeWalker™ platform is a lightweight, modular condition assessment tool operated in dewatered pipelines by a team of highly trained technicians. It is ideal for inspecting large-diameter, concrete water pipelines that can be removed from service. This tool provides utility owners with pipe wall condition data used to make rehabilitation and management decisions on a pipe-by-pipe basis.

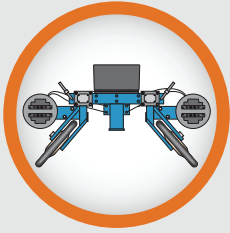
Replacing buried assets based on age is inefficient and expensive when most pipes have significant remaining useful life. Xylem provides the data, technology, and expertise to help utilities prioritize investment in the pipes that need it most.

PipeWalker is a reliable tool leveraging two decades of inspection experience to simplify and streamline pipe wall data collection. Condition data empowers utilities to address problem areas and reduce the risk of dangerous and expensive failures. With actionable insights, utilities can extend the life of critical infrastructure, increase operational confidence, and reduce capital expenditures.



PIPEWALKER BENEFITS

- Pinpoint areas of pipe wall distress with electromagnetic data
- Collect detailed visual assessment data
- Effectively inspect concrete transmission mains
- Use common and available access ports
- Ensure data quality with full control during every inspection
- Map and profile the pipeline with additional sensors



3,700+
Miles of pipeline
inspection data



ACTIONABLE INFORMATION

The PipeWalker platform provides utilities with a comprehensive understanding of pipe wall condition using high-resolution electromagnetic data and visual inspection information. The tool's electromagnetic sensors accurately locate and quantify broken wire wraps in prestressed concrete pipe and broken bar wraps in bar-wrapped pipe. Technicians also conduct a detailed visual inspection, documenting the condition of the pipe's internal lining, joints, and connections.

The PipeWalker platform accommodates a quick turnaround in results that enable repairs during the same pipeline shutdown. Xylem provides map-based results so utilities can visualize and contextualize the data and make precise repairs. Using pipe wall condition data, Xylem can calculate a pipe's structural response to degradation and forecast future serviceability. These insights inform capital planning and guide a defensible, long-term pipeline management strategy.

OPERATIONAL EXCELLENCE

Xylem's highly trained technicians operate the PipeWalker platform in dewatered pipelines. The team can inspect a wide range of pipeline diameters – from 36 inches (900 mm) to over 200 inches (5,000 mm). The tool is easy to deploy and can be launched and extracted through existing appurtenances – reducing the civil work required for deployment. The tool can also be quickly disassembled to pass in-line valves.

DELIVERY EXPERIENCE

Xylem has collected over 3,700 miles (5,950 km) of data from PipeWalker inspections around the world over the last two decades. This operational experience ensures quality project management and professional inspection delivery.

For more information on data-driven pipeline management, contact us at: puretech@xylem.com



www.xylem.com