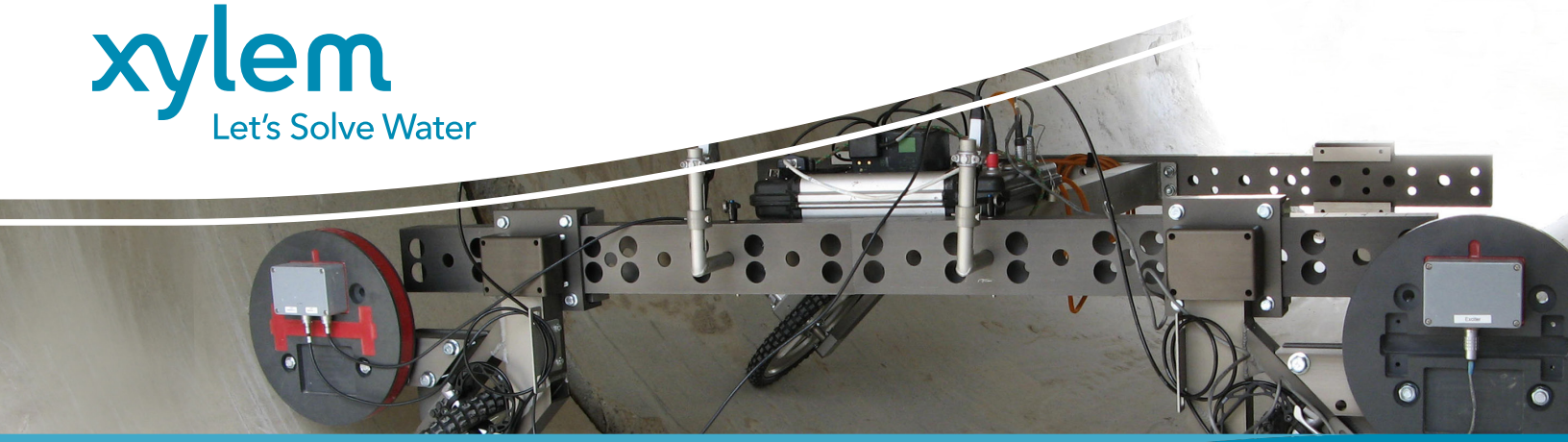
xylem
Let's Solve Water



# PipeWalker™

## A PILOTED CONDITION ASSESSMENT PLATFORM FOR LARGE DIAMETER PIPE INSPECTION

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 critical large-diameter 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.

### Why Choose PipeWalker?

- Accurately pinpoints areas of distress with electromagnetic and detailed visual assessment data
- Effectively inspects concrete pressure pipes
- Offers quick and easy inspections using common and available access ports
- Fully controlled during inspection to ensure data quality
- Easily equipped with additional sensors to map and profile the pipeline

# PipeWalker
## BY THE NUMBERS

**2,750+**
Miles of pipeline inspection data

**20+**
Years of experience across the globe

**34,000+**
Damaged pipes identified

## What You Can Expect

Many buried assets are replaced based on age, yet much of this costly spending is wasted replacing pipes with significant remaining useful life. PipeWalker is a reliable and effective tool that leverages two decades of inspection experience to simplify and streamline pipe wall data collection. This data visibility and interpretation empowers asset managers to prioritize resources and reduce unplanned operational costs while increasing confidence in their asset management decisions.

### Operational Excellence

Highly trained technicians operate the PipeWalker platform in dewatered pipelines, collecting electromagnetic data and conducting a detailed visual inspection to provide utilities with comprehensive pipe wall condition data. PipeWalker technology accurately documents the condition of the pipe's internal lining, joints, and connections while pinpointing signs of incipient failure. This platform can inspect a wide range of pipeline diameters – from 36 inches (900 mm) to over 200 inches (5000 mm) – and it can be quickly disassembled to pass in-line valves. The tool is easy to deploy and can be launched and extracted through existing appurtenances, reducing the civil work required prior to its deployment. The PipeWalker platform accommodates a quick turnaround in results, enabling repairs during the same pipeline shutdown.

### Delivery Experience

With more than two decades of PipeWalker experience, Xylem has collected over 2,750 miles (4425 km) of data from pipeline inspections around the world. This operational experience ensures quality project management and professional inspection delivery.

### Actionable Information

The PipeWalker platform contributes to a complete proactive pipeline management program by providing utilities with actionable information for decision making. The tool delivers accurate pipe wall condition data, identifying and locating defects to inform short- and long-term asset management strategy. Data exported to a geographic information system (GIS) enables at-a-glance pipeline visualizations.

## Get More from Xylem

Xylem is a world leader in the inspection of water and wastewater pressure pipelines and leverages a large database of comparable results to calculate remaining useful life and better understand the structural integrity of assets. Complement the pipe wall condition data collected using PipeWalker with leak detection and long-term asset monitoring. Xylem's **SmartBall®** and **Sahara®** tools can identify leaks and gas pockets in pressurized pipelines without disrupting service. For continuous, remote monitoring of Prestressed Concrete Cylinder Pipe (PCCP), Xylem's **SoundPrint® Acoustic Fiber Optic (AFO)** platform detects and locates wire breaks to prevent pipe failure.

## Related Case Studies

### Tacoma, Washington, United States

Project highlights

- Inspected a critical water transmission pipeline slated for replacement using PipeWalker technology
- Of the 125 pipes surveyed, 12 pipes had electromagnetic anomalies consistent with wall loss ranging from 15 percent to 35 percent
- Structural analysis and remaining useful life simulations revealed the pipeline was not in danger of failing
- By not replacing the main, the City of Tacoma saved approximately $2 million to $3 million

Read the full case study

For more information on how we can help you, contact us at: puretech@xyleminc.com

xylem
Let's Solve Water

www.xylem.com

**United States**
8920 State Route 108, Suite D
Columbia, Maryland USA 21045
Tel: +1 (443) 766-7873
puretech@xyleminc.com

**Canada**
5055 Satellite Drive Unit #7
Mississauga, Ontario Canada L4W 5K7
Tel: +1 (905) 624-1040
puretech@xyleminc.com

**Europe**
Edificio de escritórios JONOBRAS,
EN 247, Sala 3, 2º Piso.
Ribamar, Santo Isidoro
Portugal 2640-027
Tel: +351 (261) 863-159
puretech@xyleminc.com

**Asia Pacific**
3A International Business Park Rd.
08-14 Tower B, ICON@IBP
Singapore 609935
Tel: +65 8292 8392
puretech@xyleminc.com



October 2020