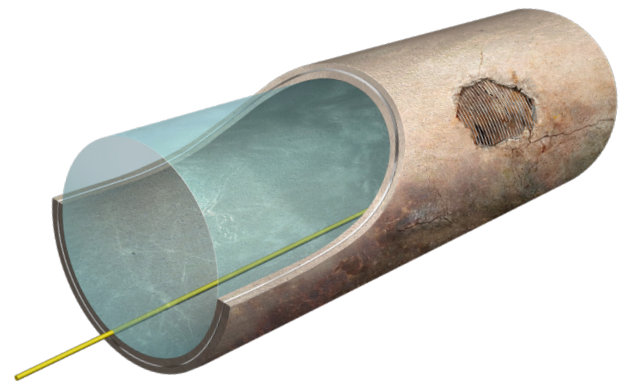


A CONTINUOUS REMOTE MONITORING PLATFORM FOR PIPELINE MANAGEMENT

SoundPrint® AFO continuously monitors prestressed concrete pipelines. This system provides pipeline owners with near-real-time data to understand pipe condition, make confident asset management decisions, and prevent catastrophic failures. With SoundPrint AFO, owners can maximize pipeline life while minimizing risk.

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.

SoundPrint AFO is a proven solution for monitoring wire breaks in prestressed concrete pipelines. The system precisely locates wire breaks as they occur, so pipeline owners can target individual pipes with deterioration. Continuous structural monitoring data helps owners make proactive repairs, plan smarter, and significantly reduce asset lifecycle costs.



SOUNDPRINT AFO BENEFITS

- Continuously monitor prestressed concrete pipelines
- Receive alerts for structural changes in near real time
- Access data on a secure, map-based web portal or integrate the information with your management system
- Determine asset condition and degradation rate with the highest resolution data
- Leverage a dedicated support team and expert analysts



1000+
Miles of pipeline
monitored



ACTIONABLE INFORMATION

SoundPrint AFO's acoustic fiber optic cable is a continuous sensor installed inside a pipeline to reliably detect the sound of wire breaks. Data acquisition units send data to the cloud over a secure connection. Supported by AI, Xylem analysts review the acoustic data and convey actionable information to clients through alerts and a secure online portal. Data is available any time, on any internet-connected device through this user-friendly portal. A map-based dashboard helps utilities visualize and contextualize the data and accurately locate problematic pipes for precise repairs. The portal also provides access to individual pipe condition history, structural performance curves, and other critical information. Pipeline owners can seamlessly integrate this data with their own management systems.

High-resolution monitoring data is ideal for understanding an asset's rate of degradation and forecasting future serviceability. These insights inform capital planning and guide a defensible, long-term pipeline management strategy.

OPERATIONAL EXCELLENCE

Our team of highly trained technicians can install an AFO cable inside the pipeline under live or dewatered conditions. The cable can be deployed around most valves, bends, and outlets. The platform detects and locates wire breaks and other events of concern in near real time, over long stretches of pipeline. This long-term monitoring solution comes with the option for ongoing system maintenance and support.

DELIVERY EXPERIENCE

For more than two decades, Xylem has partnered with utilities to plan and install SoundPrint AFO systems and provide dedicated data analysis and support services. Globally, Xylem has installed over 1,000 miles (1,600 km) of acoustic fiber optic pipeline monitoring systems.

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



www.xylem.com