



What is SoundPrint® AFO?

SoundPrint Acoustic Fiber Optic (AFO) is an acoustic monitoring system which detects and locates wire failures in prestressed concrete cylinder pipe (PCCP). The technology provides continuous remote monitoring for pipelines and can be deployed and commissioned without dewatering the pipeline, allowing for uninterrupted service. Providing real-time critical data of a prestressed pipeline allows the pipeline owner to effectively monitor changes in structural integrity and address necessary improvements.



How it Works

Through automated remote data acquisition and management, **SoundPrint AFO** detects and locates prestressing wire failures as they occur. Active deterioration in pipe spools can be identified, and rates of failure can be established for further engineering analysis. A sophisticated data acquisition system is able to determine when and where these wire failures occur and relay the information to the client. The system is capable of effectively monitoring up to 25 miles of pipeline continuously 24 hours a day, 7 days a week.



Why Use SoundPrint AFO?

- *SoundPrint AFO can be deployed in a fully flowing and operational pipeline, or an empty pipeline.*
- *The detection threshold is more sensitive than conventional instrumentation-based or modeling systems.*
- *The accuracy and reliability of SoundPrint AFO allows pipeline owners to manage their pipeline solely using AFO monitoring, foregoing the use of electromagnetic inspection.*
- *The non-intrusive installation technique eliminates costly pipeline dewatering and downtime.*

SoundPrint AFO detects and locates wire failures in PCCP and supplies critical data in real-time.