



PICA Recon (Acoustic+ Sphere) In-Line Screening Technology

- 2”- 78” diameter pipelines
- Water, Wastewater, Raw Water

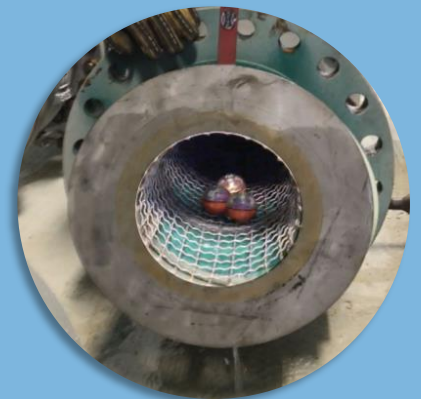
Overview

PICA Recon Acoustics In-Line screening technology (powered by INGU) is now offered to the north American water marketplace. This small diameter sphere can travel freely, with product flow, through most pipelines. It is an excellent solution to screen pipelines for local leaks as well as geometry and other information. Consecutive runs through a pipeline, deliver additional layers of information that can enhance inspection quality and reliability.

Some of the benefits of running PICA Acoustic Tools:

- Screen for bulk wall thickness changes in metallic pipes, and identify magnetic features
- Detect leaks and air pockets
- Locate deposits, blockages and debris in the line
- Measure pressure differentials

Identify these key areas of interest without service interruption!



Free-floating devices in receiver

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Applications

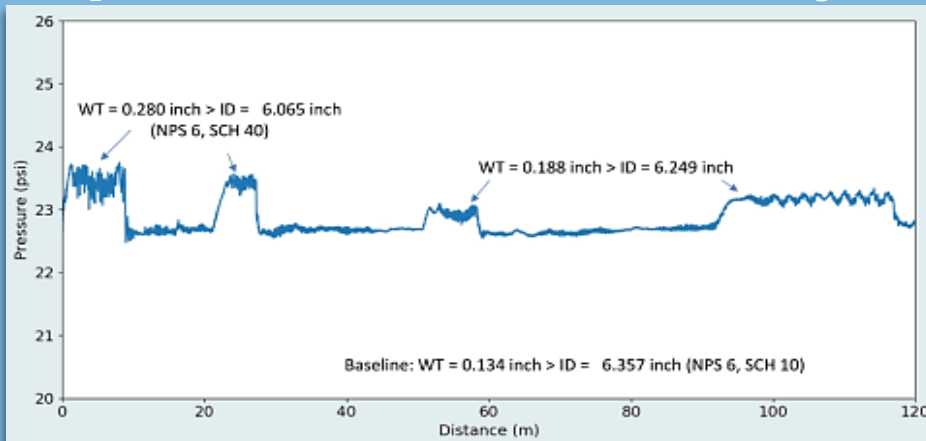
- Small diameter pipelines
- Lines that can't be taken out of service
- Non-piggable pipelines
- Any pipe material
- Long pipeline lengths (up to 19 km [12 mi] in one day)
- Deeply trenched pipelines
- New pipeline baselining

Details

These miniature, in-line, sensors efficiently detect threats to pipeline performance, providing a low-cost alternative to traditional in-line inspections.

A final report is delivered detailing findings and providing location information correlated with client records.

Example of Bulk Wall Thickness (Inner Diameter) log



Pressure differentials allow for the identification of inner diameter changes (Example is from a 6.8km, 6" steel pipeline)

Specifications:

- 2.2 inches in diameter
- Up to 50 bar (725 psi)
- -20°C to 60°C (0°F to 140°F)
- 24-hour continuous run time
- Chemically inert

Built-In:

- Magnetometer
- Accelerometer
- Gyroscope
- Acoustic Sensor
- Pressure Sensor
- Temperature Sensor

