

# InnerVue™ Pipeline Pig Tracking Services

PIG TRACKING THROUGH PRESSURE WAVE ANALYSIS

## OVERVIEW

Current methods of pig tracking requires signalers to be either fitted to the pigs or pipeline walls and these will only identify pig locations at certain positions along the pipeline length. InnerVue™ pig tracking service is a non-intrusive solution for tracking pig location along the entire length of a pipeline. The service uses pressure wave measurement equipment tied in directly to the pipeline system for data collection. The data collected is analyzed using proprietary software to determine pig location in a pipeline.

### How it works

Pressure wave (or pulse) is created within the pipeline, which travels at the speed of sound. This pulse returns a reflected wave that corresponds to distance the pig has travelled within the pipeline. A high accuracy transducer and high-resolution data logger is utilized to measure pressure variations which are analysed using proprietary software and patented algorithms to rapidly reveals the pig location during operations.

### APPLICATIONS

- Track pig location during pipeline pigging operations
- Locate stuck pigs
- Track recovery of stuck pigs during remediation

### FEATURES

- Pig location detection to within 0.4%
- Operable in Zone II harsh environment
- Operating pressure up to 5800 psi (400 bar)
- Operating temperature range up to 185°F (85°C)
- Ambient temperature range from 0 to 104°F (40°C)

### BENEFITS

- Non-intrusive
- Track the progress of pigging operations
- Locate stuck pigs
- Track recovery of stuck pigs during remediation
- No tooling required on pig

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