

InnerVue™ Pipeline Pig Tracking

PIG TRACKING THROUGH PRESSURE WAVE ANALYSIS

OVERVIEW

The ability to track a pipeline or inspection tool while in transit removes considerable uncertainty over pig movement, behavior and allows effective management of handling resources. InnerVue™ is a fast and accurate application based on pressure wave analysis giving operators the capability to ensure pigging operations are going as planned and can react quickly in the event of an issue.

How it works

A pressure wave, or 'pulse', is created by injecting or bleeding a small amount of pressure to/from the system. The pulse then travels along the pipe at the speed of sound and returns a reflected wave from the tool. A highly sensitive transducer and high-resolution data logger is used to record the pulse generation, transit and response. The collected data is then analysed onsite using purpose designed software and patented algorithms to pinpoint the location of the tool at regular intervals or any time during the operation.

APPLICATIONS

- In-line Inspection
- Precommissioning
- Maintenance pigging
- Remediation

FEATURES

- Continuous real-time pig location
- Outputs include pig speed and time of arrival
- No modification to plant or pig required
- No impact on operations or production
- Proven in gas systems up to 120 km

BENEFITS

- Results readily available onsite and online
- Resource management for launch and receipt
- Confirmation of pig speed adjustments
- Stuck pig contingency

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