

InnerVue™ Diagnostics

NON-INTRUSIVE APPLICATIONS BASED ON PRESSURE WAVE ANALYSIS

OVERVIEW

A fast, safe and accurate solution for assessing undesired or critical conditions in pipelines and umbilicals. InnerVue™ application is based on pressure wave analysis giving operators a unique insight to assist management of flow performance and integrity of their assets.

How it works

A pressure wave, or 'pulse', is created within the pipeline and travels at the speed of sound. This pulse returns a reflected wave that corresponds to any features in the pipeline that impacts flow. 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 using purpose designed software and patented algorithms.

APPLICATIONS

- Location of blockages, features, or lost objects
- Mapping of deposit thickness and distribution
- Pig Tracking in real-time
- Leak location and quantification

FEATURES

- Collect data rapidly, with minimal equipment and personnel
- No limitation in pipeline diameter

BENEFITS

- Call-out at short notice
- Fast turnaround of survey results
- Enhances maintenance and monitoring programs
- Optimizes preparation and execution of remedial works

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