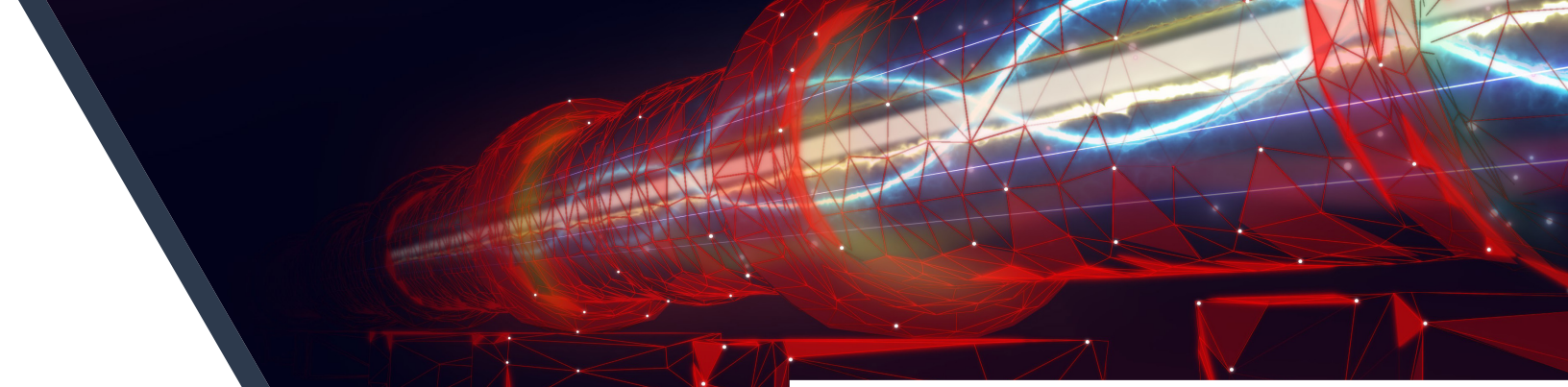

InnerVue™ Pipeline Deposit Profiling

A NON-INTRUSIVE SOLUTION TO ASSESS PIPELINE DEPOSITS

OVERVIEW

Undesired solids or liquids build-up in pipelines have a significant impact on product throughput. InnerVue™ can be used to take a snapshot or regularly monitor the pipeline's internal conditions. This application is also invaluable during maintenance cleaning operations giving on-demand measurements as required. The technique is based on pressure wave analysis giving operators a fast and accurate 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 detected in the pipeline that adversely impacts the flow. A highly sensitive transducer and high-resolution data logger is used to record the pulse generation, transit and response. The data is then analysed using purpose designed software and patented algorithms to reveal a map of the pipeline's internal diameter and significant feature.

APPLICATIONS

- Wax, sand, salt or scale build-up
- Liquid pooling
- Hydrates
- Lost object location

FEATURES

- Can be used in fluid or gas systems
- Collect data rapidly with minimal equipment and personnel
- Proven to over 127km pipe length in liquid and 25km in gas
- Location accuracy of pipeline length within 0.4% distance and 1mm of diameter variation

BENEFITS

- Validate and calibrate theoretical models
- Optimization of cleaning campaigns and shutdowns
- Periodic surveys for monitoring during production
- Confirm effectiveness of pigging and chemical treatments

For more information, contact your Halliburton representative or visit us at halliburton.com

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