Leakfinder continually analyzes the calculated pipeline state and searches for anomalies that suggest a leak. Using two concurrent leak detection techniques, Leakfinder provides truly effective leak detection and location - it is the most comprehensive software-based leak detection system available. Leakfinder currently protects more than 11,000 miles of pipelines worldwide.

What you get

- Real-time leak detection with industry-leading state estimation technology
- Fast and accurate, real-time detection, sizing and location
- Best-in-class data handling minimizes false alarms due to erroneous input
- Leak detection availability even with poor or missing telemetered data
- Two concurrent leak detection techniques
- Model-compensated volume balance method calculates time-averaged volume imbalances for each balance segment
- Proprietary leak analysis method looks for tell-tale signature of leak on pressure profile
- Minimizes false alarms by dynamically updating leak detection thresholds
A better approach to real-time CPM leak detection

Today’s emphasis on safety and the environment, together with the economic consequences of product loss, clean-up and facility downtime, has focused the attention of pipeline operators on using the most effective means of detecting leaks.

Leakfinder is suitable for all pipeline and network configurations, and will work for either liquid or gas. It builds on DNV GL’s industry-leading state estimation software technology, Statefinder. Statefinder’s proprietary state estimation combined with sophisticated leak analysis algorithms is key to providing best-in-class leak detection performance and is designed to mitigate real world issues such as data uncertainties, poor communication, errors in as-built pipeline data, and incomplete product property information.

Leakfinder can operate with degraded or limited SCADA measurement data and also function in liquid lines that run "slack". An up-front leak sensitivity study will calculate Leakfinder expected performance on your pipeline, identifying cost-effective upgrades to enhance the performance – the study can be completed before you decide to implement a leak detection system, or even before the pipeline is built.