

Customer Case Study

SMART PIPE MONITORING CUTS RISKS AND COSTS

OIL & GAS INDUSTRY

AT A GLANCE

Smart Pipe Monitoring Solution has cut environmental risks and costs for an Alberta pipeline operator by replacing labor-intensive visual checks with 24/7 smart monitoring, even in remote and over-water locations.



CHALLENGES

01. The pipeline operator runs hundreds of thousands of kilometers across remote areas of Western Canada crossing creeks, rivers, and other bodies of water.

02. Even a minor leak from an over-water or near-water pipeline can cause major harm to the water source. Environmental impact, remediation costs and reputational damage can be huge.

03. Employees drive for hours, sometimes in challenging conditions, to inspect for leaks. Driving is the leading cause of workplace injury in oil and gas production.

04. Manual inspections can never be frequent enough to guard effectively against environmental damage.

KEY METRICS



\$480 Million USD

Estimated cleanup cost from a Keystone pipeline leak in Kansas.

Source: financialpost.com



600 Tons p/y

Volatile Organic Compounds emitted by a typical refinery from leaking equipment.

Source: US EPA, 2007

The data provided is based on customer feedback regarding the use of our IIoT solution in specific scenarios. While we strive for accuracy, results may vary based on individual circumstances.

SOLUTION

- » Automated leak monitoring for over-water pipelines.
- » Innovative sensors: advanced nanotech sensors to address liquid hydrocarbon leak issues.
- » Smart Pipe IIoT devices transmit data to the cloud, ensuring real-time alarming for your assets.
- » Rapid deployment and easy expansion for comprehensive coverage.

BENEFITS



24/7 monitoring for hydrocarbon leaks.



Mitigated financial and reputational risks



Reduction of environmental damage caused by a leak from an over-water pipeline.



Improved safety and reduced labor costs with fewer manual inspections.