UNDERSTAND AND MANAGE PIPELINE SYSTEM RISK
Ensuring Safe and Compliant Pipeline Operations

As the population and pipeline systems continue to encroach on each other, operators need an effective solution to ensure safe operations and adhere to regulatory standards. **IRAS ComplianceAuditor** enables users to conduct a comprehensive review of their organization’s adherence to best practice safety measures. Efficiently and accurately determine Class Location, as well as identify high consequence areas (HCA).

INDUSTRY-REQUIRED COMPLIANCE ANALYSIS

Users can calculate, analyze and manage pipeline Class Location and HCA impact for natural gas pipelines. IRAS ComplianceAuditor is fully compliant with both Canadian and U.S. Class and HCA regulatory requirements.

COMPLIANCE DATA MANAGEMENT

Programmatic and database-driven, IRAS ComplianceAuditor processes and integrates pipeline system data and checks for data gaps.

RESULTS ANALYSIS, REPORTING AND CHANGE MANAGEMENT

Generate reports to analyze Class Location and HCA outputs. Perform comparative analytics for year-to-year review and change management with detailed, accurate reports. Results can be exported for further review and integrate with corporate GIS.
KEY FEATURES

- Canadian Class Location compliance with CSA Z662 requirements.
- U.S. Class Location calculation compliant with 49 CFR § 192.5.
- U.S. Class Location analysis supports configurable adjustment for clustering and 4-story building prevalence.
- HCA natural gas analysis support for both Method 1 and Method 2 and configurable as necessary to support changes in class level calculation.
- Provides support for both single and multi-line processing.
- High-performance dense area processing.
- HCA extent and reason identification.
- Change management for legacy retention and comparative analytics for year-to-year review.
- Ability to calculate Moderate Consequence Areas (MCAs) in addition to High Consequence Areas (HCAs).

ABOUT US

Dynamic Risk's technology and consulting services optimize risk-informed decision making to manage risk through an asset's entire life cycle. Our IRAS platform models pipeline systems to proactively determine where they are most likely to fail and the corresponding consequences of unintended releases. From gathering systems, midstream pipelines, transmission pipelines, and distribution networks, we have software applications and in-house engineering expertise to provide complete pipeline risk assessment, data management and compliance reporting.