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# Pipeline Integrity Management

Using in-house applications and expertise, New Century's experienced pipeline and GIS team can help oil and gas pipeline, distribution system, and gathering line operators meet integrity management program requirements specified by the Department of Transportation in 49 CFR Part 192 and Part 195.

## Summary

The strict regulations imposed on pipelines combined with the negative consequences of an accident make decisions regarding integrity management increasingly important. With our suite of GIS-based integrity management applications and services, you receive a comprehensive, systematic, repeatable, and defensible methodology for allocating limited resources.

By combining a suite of applications at the enterprise level, operators are able to realize a higher return on their integrity management investments. New Century Software is committed to providing end-to-end solutions that enable better business decisions.

## Applications

Spatial Risk Analyst pulls in data from its native location and applies custom risk models to perform geospatial pipeline risk analysis.

Spill Impact Analyst accurately predicts overland spread and water transport analysis on DOT 195 class hazardous liquid pipelines

Gas HCA Analyst quickly identifies DOT 192.5 Class Locations and High Consequence Areas (HCA) on natural gas pipelines

iAlign aligns and integrates In-line Inspection (ILI) data from smart pig runs into a pipeline GIS

## Services

HCA Analysis to accurately determine the segments along a hazardous liquid or natural gas transmission pipeline that are in or could affect a High Consequence Area.

Class Location Analysis along natural gas transmission pipelines using a sliding mile algorithm. Results can be provided in GIS, tabular, or alignment sheet formats.

Pipeline Risk Assessment to prioritize covered segments and evaluate the merits of additional preventative and mitigative measures.

Distribution Integrity Management Program support including risk model design, data inventory and maintenance, and GIS strategy planning.

Data Integration services needed to help operators analyze all available information about the integrity of the entire pipeline and the consequences of failure.

In-line Inspection (ILI) Data Alignment services to accept ILI data from any smart pig vendor and integrate it with existing pipeline data in your GIS.

Facility Spill Analysis to model overland spread of a hazardous liquid in the event of a liquid spill.



SOLUTIONS



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