NEW CENTURY
S O F T W A R E

S_R Spatial Risk Analyst (SRA)

Quickly & Objectively Measure Risk Along the Pipeline with Spatial Risk Analyst
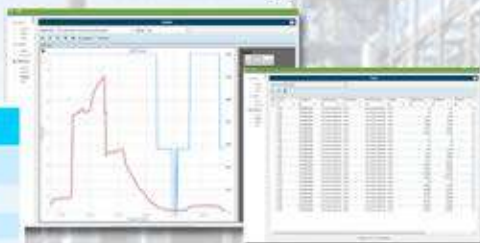
1. Perform dynamic segmentation to determine risk on unique segments of the pipeline
2. Analsyt performs geospatial linier asset risk analysis.
3. This results in highly accurate risk results that promote defensible decision making throughout the organization.

Data Classsification

File Type	Format : *.rap, *.rad2, *.ras
Spatial Data	-Feature Class
	-Centerline
Tabular Data	-Linier Reference
	-Inverted Linier Reference
	-Route
	-Hierarchy
	-series

Technical Specification

Input	Database Input Tabular Data	Output
Geodatabase	Oracle	Excel
	SQL Server	Access
	Excel	Oracle
	Access Database	SQL Server
		Geodatabase

S_I Spill Impact Analyst (SIA)

Spill Impact Analyst Evaluates Pipeline Risk & Allows You to Create Accurate Mitigation Plans

1. Provides user-friendly controls to calculate release points at distance intervals, specified locations, and National Hydrology Datasets (NHD) waterway intersections.

2. Calculates release volume based on valve isolation points, line fill, depth of cover, valve closure time, response time, and flow rates to help you.

3. Displays detailed analysis results as polygon spill plumes in ArcMap.

4. Provides reporting & graphs including time-to-impact, impact volume, volume released from a pipeline during Full Flow (prior to shut down and isolation), Drain Down (after shutdown and isolation), and Total (combination of full flow and drain down) which is particularly useful in Emergency Flow Restriction Device (EFRD) analysis.