

## A PROACTIVE APPROACH TO INTERACTING THREAT ANALYSIS

Dynamic Risk's approach to interactive threat analysis empowers operators to proactively manage risks, prioritize preventive measures, and safeguard the integrity of their pipelines.

Our critical analysis solutions assist operators in making informed decisions, thereby enhancing the long-term safety and reliability of their pipeline infrastructure.

### DYNAMIC RISK ILI ANALYST

ILIAnalyst is Dynamic Risk's versatile interacting threat analysis software. It provides for a comprehensive assessment of threats discovered through a variety of inspection data sources, promoting a proactive and reliable pipeline integrity management strategy. With this software, operators receive improved data integration, automated analysis, and real-time monitoring.

**Interactive threats describe the convergence of various coincidental threats to pipeline integrity. They include, but are not limited to:**

- Corrosion
- Cracks
- External forces (eg. ground movement)
- Third-party or mechanical damage
- Manufacturing-related defects

Interactions between such threats amplify risk beyond that attributed to individual threats, leading to accelerated degradation, heightened vulnerability, and an increased likelihood of failure. Considering these complexities, pipeline operators must diligently assess and account for the interplay between multiple coincidental threats.

Dynamic Risk's ILIAnalyst provides a comprehensive and accurate understanding of the pipeline overall risk profile. It aids operators in visualizing how threats interact, enabling them to develop targeted and robust risk mitigation measures to address potential vulnerabilities. Through ILIAnalyst's critical analysis, operators can confidently make informed decisions that uphold the long-term safety and reliability of their pipeline infrastructure.

### BENEFITS

- **Data Integration** - Operators acquire a comprehensive perspective of their pipeline system, facilitating more precise assessments of its integrity and a thorough identification of potential threats. ILIAnalyst seamlessly integrates diverse data sources and types, encompassing inspection data, operational records, geospatial information, and historical data.

## BENEFITS (CONT.)

- **Automated Data Analysis** – Operators benefit from automated data analysis, allowing them to focus on critical areas that require further investigation or mitigation. ILIAnalyst uses advanced algorithms and analytic tools to quickly process large volumes of data; then, it detects patterns and correlations that indicate potential integrity risks. These automated processes ensure efficient evaluation and identification of interacting threats, quickly providing operators with essential information.
- **Improved Decision-making** – Operators are empowered to make more informed decisions on maintenance priorities, resource allocation, and risk mitigation strategies. ILIAnalyst tools and visualizations present information in a clear and intuitive manner, facilitating a better understanding of the pipeline's integrity status and the interactions between different threats.
- **Regulatory Compliance** – Operators can confidently adhere to specific integrity management regulations, and maintain required documentation for audits and regulatory reporting. ILIAnalyst provides a structured framework for data management, reporting, and documentation, and can incorporate industry standards and guidelines.

## ABOUT DYNAMIC RISK

Dynamic Risk is a leading global technology service provider helping ensure the safe and efficient delivery of energy resources. Since 1996, Dynamic Risk has revolutionized pipeline integrity management by combining in-depth engineering expertise and advanced software applications, now leveraging predictive analytics to uncover actionable insights for risk-informed decision-making. Dynamic Risk partners with operators across the Transmission, Midstream, Upstream, and Gas Utility industries to avoid pipeline failures through complete asset lifecycle risk management, and enables clients to achieve optimal business, safety, and environmental performance while meeting compliance objectives in pursuit of the goal of zero incidents.

Dynamic Risk is part of Previa, a fast-growing, innovative, and private industrial technology group focused on advanced diagnostic technologies to monitor the world's infrastructure health. The Group serves asset owners, large engineering firms, and service companies globally in markets such as Aerospace, Civil Infrastructure, Energy, Mining, Power Generation, and Rail. Via sensors, hardware, robotics, and software, Previa makes a safe and sustainable future possible, by pushing the limits of diagnostic technologies that preserve the integrity of our world's critical infrastructure and assets. More information can be found on the company's website: [www.previa.com](http://www.previa.com)

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