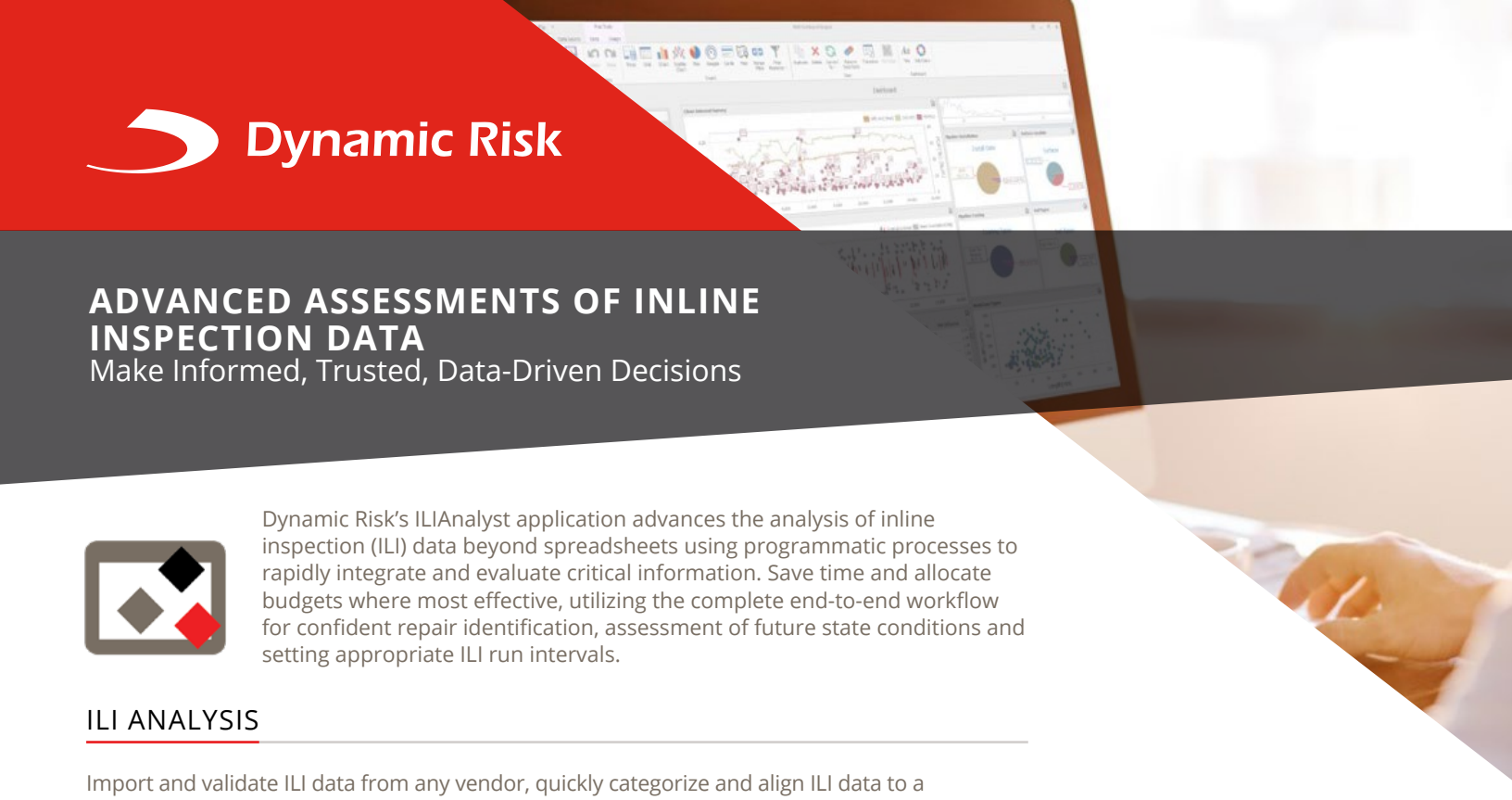
Dynamic Risk

ADVANCED ASSESSMENTS OF INLINE INSPECTION DATA

Make Informed, Trusted, Data-Driven Decisions



Dynamic Risk's ILIAnalyst application advances the analysis of inline inspection (ILI) data beyond spreadsheets using programmatic processes to rapidly integrate and evaluate critical information. Save time and allocate budgets where most effective, utilizing the complete end-to-end workflow for confident repair identification, assessment of future state conditions and setting appropriate ILI run intervals.

ILI ANALYSIS

Import and validate ILI data from any vendor, quickly categorize and align ILI data to a centerline, or previous ILI run, and perform sentencing and complex analysis on the results. ILIAnalyst offers a library of pre-built analyses to quickly assess your results against common industry practice or easily design company specific rules using simple authoring capabilities.

KEY FEATURES

ILI Data Import

- Data validation to ensure ILI vendor compliance with required industry and company standards
- Customizable feature mapping to load ILI data quickly and accurately for a variety of data types including Axial or Circumferential MFL, UT Crack, UT Metal Loss, EMAT, Hard Spot, Strain and more
- Align datasets using GIS centerline, previous ILI run data, or spatially using an intuitive interface that highlights data mismatches for increased confidence and transparency of different data sources

Sentencing

- Perform feature sentencing in accordance with CFR 192/195 and/or CSA Z662, as well as user-customizable sentencing rules to meet company specific, special permit, or changing regulations
- Compare multiple datasets with configurable graphical tools and dashboards
- Perform feature matching and corrosion growth rate calculations
- Export data to several formats including csv and Excel

Custom Analytics

- Customize and change sentencing criteria, add custom calculations, and create user defined data analytics
- View ILI data with risk results, cathodic protection levels, and coating data for more in-depth analysis
- Leverage the extensive analytics library and combine existing analysis to suit your specific or changing requirements

Figure 1) GW Alignment: Ability to perform spatial and historical pipebook alignments based on historical ILIs and centerline information.

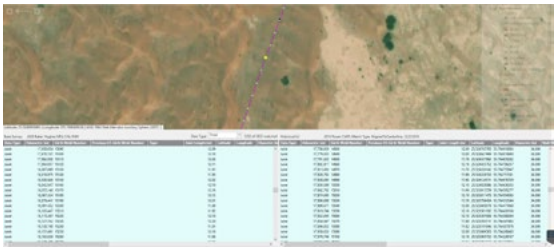


Figure 2) Unity Plot: Ability to assess ILI tool performance by compare As-Found features with ILI reported features.

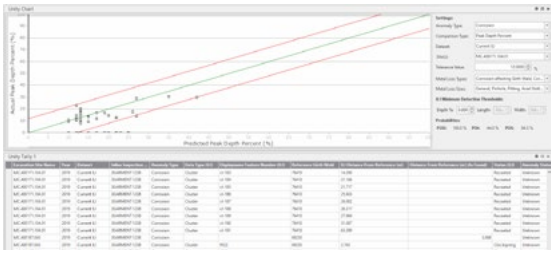
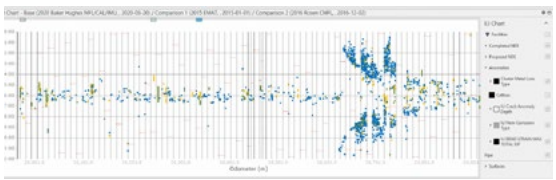


Figure 3) Exploded Pipe: Interactive interface to visualize collocated features reported by current and historical ILIs



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ILIANALYST

Dig Planning and Tool Performance

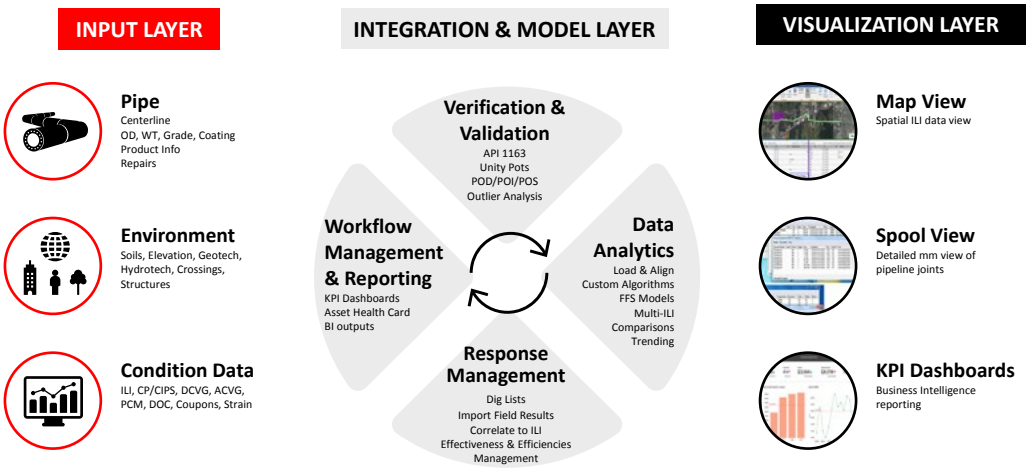
- Visualize locations of previous repairs
- Plan digs using built-in dig extent recommendations for required and co-located features
- Create unity plots to measure tool performance and comply with API 1163 requirements, including calculations for POD, POI and POS

Reporting and Dashboarding

- Create and configure dashboards to meet the needs of different business groups and individuals

CONFIDENT RISK ASSESSMENT AND MITIGATION

ILIANALYST WORKFLOW CHART:



ABOUT DYNAMIC RISK

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 software 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.

Dynamic Risk is part of Previan, 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, Previan 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.previan.com

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