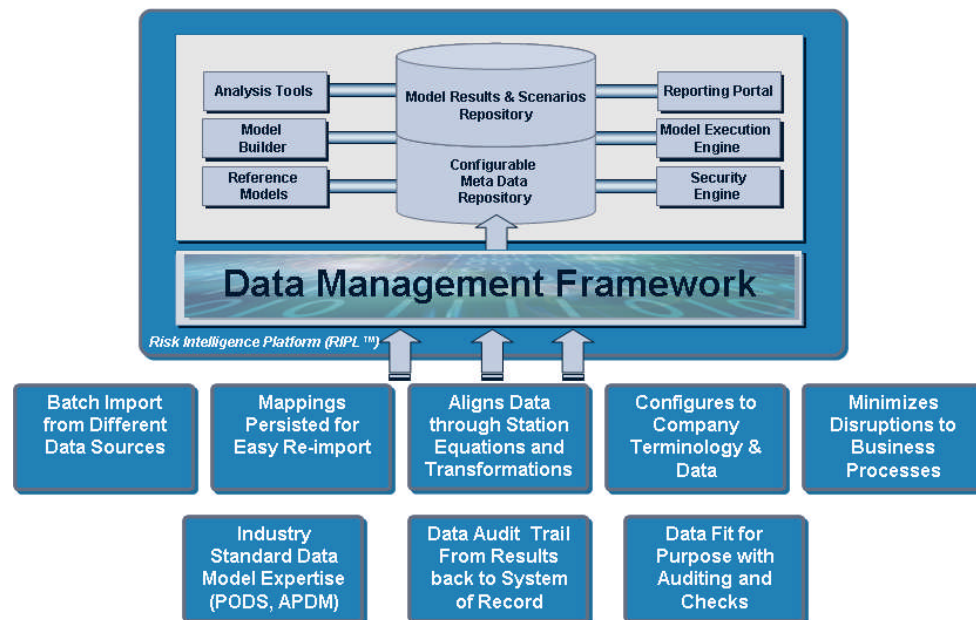


Risk Intelligence™ Data Management | Fact Sheet

Data Integration and Validation

The Risk Intelligence Data Management Framework provides a conduit between the Risk Intelligence Platform (RIPL) and industry data standards such as the Pipeline Open Data Standard (PODS), ArcGIS Pipeline Data Model (APDM), and any other proprietary relational or geo-spatial database. RIPL's Data Management Framework can accommodate and process voluminous amounts of disparate data into an integrated and validated data set within the RIPL Data Repository. Using this aligned data, customers can then feed their models and perform analyses, which is not possible with siloed data sources or pure enterprise databases – the value of this combined data is significantly enhanced because of the analytical tools that are built into the RIPL platform to help you leverage this data for increased decision support.



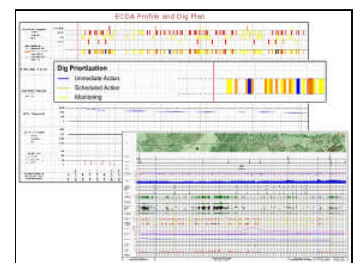
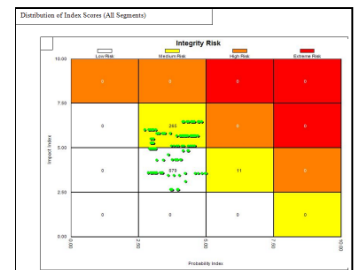
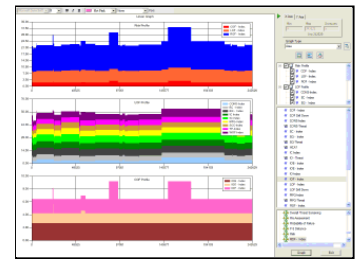
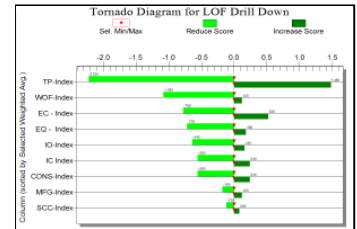
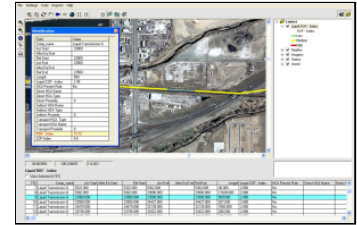
- PCS — The PCS integration makes data management a simpler and more streamlined process between PCS and RIPL. From the point of collecting raw data readings with the Allegro hand held device to the CPDM application and finally to the Risk Intelligence Platform, American Innovations offers a total solution for your Integrity Management.
- APDM — The ArcGIS Pipeline Data Model is designed for storing information related to features found in gathering and transmission pipelines within gas and liquid systems. American Innovations provides proven data management solutions and support for the APDM model.
- PODS™ — PODS is an industry-recognized data model that supports the gas and liquid pipeline industry by utilizing an open data structure encompassing the pipeline operational and regulatory requirements. American Innovations is a member of PODS and provides import packages between an organization's PODS database and RIPL.

Risk Intelligence™ Data Management | Fact Sheet

Data Visualization & Reporting

The Risk Intelligence Platform (RIPL) provides multiple tools that allow you to access and analyze results; generate and review integrity reports; and, perform in-depth analysis and visualization of data. RIPL includes the following expansive visualization and reporting features:

- ④ **PDMapper™** — display RIPL data on a topographical map or convert RIPL data to ESRI shapefiles to be used with your GIS system.
- ④ **Tornado Diagrams** — display results such as single-factor sensitivity for quick analysis. For example, easily identify opportunities to reduce the ROF index or find factors that contribute more risk due to variable data.
- ④ **Linear Graph** — quickly and easily overlay data sets to visually investigate trends, or show the contribution of individual variables to the overall risk assessment results.
- ④ **Risk Matrix** — trend, plot data, or create visuals to support both internal and external audit documentation. For example, create a risk matrix showing a point for each pipeline segment in the gas transmission system and then select any point to receive more detailed information.
- ④ **Drawing Templates** – populate Visio drawing templates to aid in the analysis of asset data. For example, graphical plotting of data against a certain section of pipe over which the risk calculations are performed.
- ④ **Microsoft™ Excel features** — utilize the full power of Excel’s pivot table and charting features to quickly create multidimensional data views, charts, and reports from RIPL data.



Contact Us

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Risk Intelligence ▶ Expanding Risk Insight to Fit Your Business