

US Midstream Operator

A major US midstream operator and Dynamic Risk initiated discussions in September 2017 that originated from the operator's research of the pipeline integrity market. They were looking for a complete software solution that provided data visualization, management and the ability to run ILI analysis as part of their pipeline risk assessment. While they had an existing GIS program in place, they did not have a dedicated risk integrity software solution in-house.

After an in-depth review process, in early 2018, the operator made the decision to move forward with Dynamic Risk' IRAS suite of applications including: ILIAnalyst, RiskAnalyst, DataExchange, as well as DataView/Query as part of their pipeline integrity risk assessment program. They chose to partner with Dynamic Risk based on an aligned corporate vision that supported the use of technology enabled engineering services across all functional departments.



SEAMLESS IMPLEMENTATION PROCESS

The IRAS solution implementation kicked off in the fall of 2018 with participation from the operator's and Dynamic Risk's key subject matter experts (SMEs) from software implementation and engineering. Right from project inception, there was a seamless and smooth advancement between each stage, largely due to the aligned corporate philosophy toward technology, as well as the value placed in communication and transparency between the different department stakeholders involved.

Comments Greg Dziech, Implementation Project Manager at Dynamic Risk "Having a cohesive strategy between our client and Dynamic Risk regarding project objectives and KPI's helped set the stage for a smooth project implementation with limited need for application customization, and therefore the ability to get the solution up and running quicker."

The total implementation timeframe from project kick-off in September to completion took around 8 months with the project going live in May, 2019. While the implementation was determined a great success, there were still outstanding deliverables that required resource expertise to help them get started.

CLIENT

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SOLUTION

IRAS Implementation

BENEFITS

The Agile system approach for quick access to data and analysis enabled

- An expedited load of inline inspection and excavation data into the database
- Risk run was performed and reviewed with key stakeholders in real-time
- Informed decision-making with integrity data and risk algorithm for support within a short time frame

"We are extremely pleased with the outcome of this solution implementation and how our team is leveraging data and analysis for a **sophisticated** risk management program."

The operator realized that they required a dedicated process to collect and store data used in risk from all their vendors. A large portion of their ILI data was not compiled in a common storage system and an update to their procedures was necessary. IRAS DataExchange augmented this by updating the IRAS database with the latest data in their internal systems for storage and future use. This included all ILI data, risk, excavation, repairs or anything that was relevant to the SMEs.

Furthermore, while reviewing initial risk results via RiskAnalyst during the implementation, it was identified where there were existing data gaps and required actions. However, these did not cause for any disruption as it transitioned into a change management process of how best to support the operator to develop and refine their processes and close the gaps.

“They were so receptive to our feedback and put trust in our on-going insight and expertise” comments Wendy Attrill, Client Partnership Manager at Dynamic Risk. “Their support of taking an agile and flexible approach to meet project objectives and automate any manual processes made it that much easier to get up and running in record time.”

A major contributing factor for the successful project implementation was having buy-in from the operator’s different departments including: GIS, Engineering, IT and support from the Executive Leadership Team. Each department had a dedicated liaison involved to ensure their team’s KPI’s were met upon project completion, and to obtain an understanding of how each department’s objectives supported one another. These alleviated common challenges including: miscommunication, project scope creep and going over budget and schedule. Having a dedicated, on-going open line of communication fostered a sophisticated work environment and a cohesive project vision with the ability to measure project success.

Upon solution implementation completion, Dynamic Risk provided the operator an in-depth 3-day training program to ensure all teams were set up to successfully leverage IRAS on a continual basis. Training was provided throughout the implementation and broken down in a 3-part program with the first being focused on application functionality, then navigation of the software and finally moved into developing custom application workflows.

BENEFITS

Being only two months in from project launch, the operator has already seen results in regards to a unique scenario from converting one of their liquid lines to gas, with the objective to run risk on the entire line prior to the conversation to ensure everything runs smoothly. Dynamic Risk quickly offered support for this opportunity and had the ILI data loaded within a week to showcase the results. Without IRAS in place, it would not have been possible to obtain the results that quickly. The ability to have an agile system and process in place for quick access to data and analysis proved significant for effective risk management.

The IRAS suite of applications are now rolled out and being leveraged by the various teams throughout the organization. Both parties are very pleased with the outcome and continued partnership to support the operator’s new turn-key risk management solution and leveraging data for informed decision making.

Comments the operator’s Director, Integrity “We are extremely pleased with the outcome of this solution implementation and how our team is leveraging data and analysis for a sophisticated risk management program. We look forward to the opportunity to continue our partnership with Dynamic Risk on the services side with guidance on engineering support going forward.”

WHY PARTNER WITH 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 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 expertise to provide complete pipeline risk assessment, data management and compliance reporting.

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