

North American Upstream Operator

In May 2017, a North American upstream operator recognized a gap in their existing upstream pipeline asset Integrity Management Program (IMP). They understood there was a need to develop an effective pipeline integrity program to protect the safety of the public, minimize impact to the environment and meet regulatory requirements, while maintaining their existing track record of zero incidents.



They met with Dynamic Risk to discuss their overall goals and objectives for the near term, as well as a forward-looking roadmap to facilitate future growth. “We were looking for a full service, asset lifecycle management solution that included both software and engineering services. The ideal solution needed to be agile in nature to work within a flexible, changing environment, as well as have user-friendly functionality that our field operations team could integrate as part of their daily workflow” commented their VP of Production.

Dynamic Risk’s Explorer software solution was reviewed in-depth by both the corporate and field teams. As part of the decision-making process, it was critical to obtain buy-in from their field operations to ensure the system would be adopted and actively used. They were impressed with Explorer’s ease of use, as well as the ability to access accurate and real-time data via multiple web-based applications on computers and tablets. Additionally, the information stored in Explorer could be accessed by various teams including: Production Accounting, Engineering, and Management.

PROJECT IMPLEMENTATION

From the initial project kick-off in May 2017 through to January 2018, the operator first worked with Dynamic Risk’s engineering team to update and streamline their IMP and Pipeline Operations Maintenance Manual (POMM) into a single Pipeline Integrated Management Manual (PIMM). This integration provided a single source of truth for pipeline operations, inspection programs, maintenance activities, site specific operating procedures (SSOP) and risk assessment methodology.

CLIENT

North American
Upstream Operator

SOLUTION

Dynamic Risk’s Explorer

BENEFITS

- Improved corrosion mitigation processes
- Enhanced pipeline reliability
- Data driven operating spend
- Improved data management
- Reduce time to complete corrective action order

OBJECTIVES

- Continually improve pipeline integrity management processes
- Optimally allocate maintenance spend

“Taking an **Agile Approach** in Ownership of Pipeline Integrity Programs”

The value from rolling out the project with the first phase focused on engineering services was a key differentiator to the success of the project as Dynamic Risk was able to obtain a strong understanding of the operator's business, processes, assets and best practices in further developing their PIMM. In addition, the process also facilitated building strong working relationships between their field operations team and Dynamic Risk's team so when it was time to implement Explorer, it was a seamless process.

In January 2018, the next phase of the project focused on the implementation and roll out of Dynamic Risk's Explorer solution. The data integration and solution implementation were completed as of May 2018, within 5 months after project kickoff. However, the partnership has continued beyond solution implementation as Dynamic Risk continues to work with their integrity team to provide pipeline integrity data management support within Explorer, pipeline license amendments with AER, management of corrective actions, and annual risk assessment.

VALUE OBTAINED IN LEVERAGING TECHNOLOGY ENABLED SERVICES

Over the past year, Explorer has provided the operator an efficient and effective SaaS solution for ongoing management of their IMP and annual risk runs. They have gained efficiencies by keeping their IMP within budget and on schedule, including a substantial increase for corrective action orders to 60% completion in under two months.

The operator has continued to invest in developing their IMP and leveraging Explorer as part of their program to protect ownership of their data and supporting a program that is truly reflective of their specific assets, geographic operating areas and aligned with their core values. Through implementing an agile approach with aligning both engineering and technology, they have successfully achieved their objective of developing an effective and complete upstream pipeline asset lifecycle solution.

"We look forward to our continued partnership and the great relationship we have built with their team, both corporate and in the field. The benefit to obtain different perspectives with open communication between corporate and the field fosters innovation to develop new methods to approach their IMP" comments Wendy Attrill, Client Partnership Manager, Dynamic Risk "they have never hesitated to ask us to do more and because of this, we are continually advancing our solutions and expanding our expertise."



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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