

INTEGRATED OIL & GAS

CASE STUDY

Enabling enterprise-wide data trust & digital readiness across a full upstream-midstream-downstream integrated client.

SUMMARY

Over the course of 13 years, ReVisionz partnered with this client to deliver one of the most ambitious enterprise asset data cleanup initiatives in the industry. Through a series of structured implementations across every facility, ReVisionz met all project parameters while establishing a standardized data foundation. This ultimately created the basis for enterprise-wide operational excellence.

Through this multi-year initiative, ReVisionz enabled the client to standardize its asset data across all facilities under a unified digital platform. Every piece of information was systematically validated and transformed to meet enterprise standards for completeness and trust. With 100% of migrated content addressed and enriched, the organization is now positioned to confidently deploy AI-driven tools, automation technologies and digital twin initiatives that rely on accurate and accessible engineering data.

"It was a pleasure to work with an experienced and knowledgeable team who are dedicated and committed to providing a high-quality migration of data. It would have been impossible to analyze and transfer 330K tags, 6,800 projects, 2.2M engineering records and much more without this team. Great work!" - Senior Information Management Lead



Experts guiding your digital journey

13 Yrs

Of engagement
across all facilities

1.5B+

Data objects/metadata
validated & transformed

11

Facilities across
Canada & the USA

Project Snapshot

Client Industry: Integrated Oil & Gas (Upstream, Midstream, Downstream)

Practice Areas Utilized: Intelligent Data & Insights

Project Duration: 2012-2025

Client Success Criteria

- Align schedule, scope and cost to corporate expectations at each facility level.
- Ensure migrated content is accurate, enriched and trustworthy.
- Transition to a unified AIM platform and embed enriched asset data to drive effective business processes.
- Eliminate out-of-date and ineffective asset data management systems.
- Integrate data across key ranges of client source systems.

Challenges

- Siloed information across dozens of legacy systems and sources.
- Business inability to locate or trust their engineering data.
- Poor data quality blocking system integration and AI potential.
- Longstanding organizational struggles with process and change management.
- Little integration across engineering and operations.

Key Results



Single Platform Adoption

Moved client data and content from dozens of siloed systems to a standardized AIM architecture.



Full Migration & Enrichment

Achieved end-to-end migration with significant enrichment of all migrated content for business usability.



AI Enablement

Created the foundation for enterprise AI and automation by establishing trusted, clean data across operations.



ReVisionz' Strategy

- Executed structured, facility-by-facility migration and validation efforts.
- Developed custom tools and AI routines to enrich and transform legacy content.
- Maintained long-term continuity with a stable expert team.
- Partnered closely with stakeholders to test, validate and sign off on all data transformations.
- Prioritized content usability over raw migration volume.
- Addressed change concerns, guiding the transition from outdated processes that produced poor-quality information to a highly enriched end state.

Our Role in Digital Transformation

- Acted as a trusted advisor over 13 years and continually adapted to changing project scopes.
- Provided deep data science and asset lifecycle expertise.
- Elevated client's ability to use its engineering and operations data for strategic decision-making.

Takeaways

- Long-term data programs require consistent vision, executive and business sponsorship and technical continuity.
- Migration without enrichment is a missed opportunity. Data must be transformed to unlock true value and enable the power of new end state platforms.
- A clean, validated foundation is essential for successful AI, automation and digital twin programs.
- ReVisionz' role as trusted advisor was earned through technical depth, transparency and repeatable delivery.
- The project's longevity demonstrates the value and reliability of our partnership.

Complexity & Innovation

- Created proprietary AI tooling when off-the-shelf solutions didn't exist.
- Achieved trusted data outcomes across widely varying facilities.
- Established cross-functional alignment between engineering and operations teams.

Get in Touch with One of Our Experts Today



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