

ENERGY INFRASTRUCTURE

CASE STUDY

Creating a unified standards and process framework to improve data quality and enable enterprise asset information management.

SUMMARY

ReVisionz supported a client struggling with a fragmented asset information environment that slowed teams, increased risk and drove unnecessary cost across the asset lifecycle. To address this, we led a foundational AIM program to bring structure to information management. Our team defined requirements, aligned standards and introduced future-state processes. Legacy standards were consolidated, a common data model was developed and workflows were established to support drawing and 3D model management.

This created a unified approach to standards, metadata and processes, improving data reliability and reducing inefficiencies while giving the client clearer direction to move forward with confidence. This alignment also positioned the client to assess and select an AIM solution aligned to long-term business needs, ultimately leading to the selection of SDx and continued implementation support by ReVisionz. Our leadership in this initial scope served as a catalyst for securing ongoing work, supporting the client's continued AIM journey through technology implementation and long-term digital initiatives.

AIM

Program roadmap established

11

Workstreams delivered

1

Common data model developed

Project Snapshot

Client Industry: Energy Infrastructure

Practice Areas Utilized: AIM Solutions

Project Duration: 1 year / Ongoing

Client Success Criteria

- Align and consolidate asset information standards across the organization.
- Reduce inefficiencies and loss of staff productivity.
- Improve data quality and reduce risk associated with outdated information.
- Improve safety and compliance through more reliable and controlled information.
- Enable consistent processes across regions and projects.

Challenges

- Fragmented standards due to multiple mergers.
- No centralized document management system.
- Inconsistent adoption of and limited visibility into standards.
- Resistance to change and reliance on tribal knowledge.

REVISIONZ

Experts guiding your digital journey

Key Results



Operational Efficiency

Reduced productivity loss by addressing fragmented processes.



Trusted Information

Aligned standards and metadata, improving consistency and reducing reliance on outdated information.



Risk Reduction

Improved control of asset information and lowered safety and compliance risks.



Digital Readiness

Established a foundation that enabled solution selection and is now supporting SDx implementation.



ReVisionz' Strategy

- Defined AIM vision, strategy and roadmap, including maturity and business case.
- Conducted fit-gap assessment and updated AIM standards.
- Developed a common data model to support integration with future AIM solutions.
- Established future-state business processes for project turnover and operations.
- Defined metadata, taxonomy and asset record structures.
- Delivered interim templates and guidance to support project execution.

Takeaways

- Aligned standards and metadata improve consistency across the enterprise.
- A strong data foundation enables effective technology adoption.
- Standardization reduces inefficiencies and supports performance.
- Early readiness strengthens long-term digital outcomes.

Complexity & Innovation

- Consolidated legacy standards into a single enterprise framework.
- Aligned standards across multi-regional business units.
- Defined future-state processes across the asset lifecycle.
- Established a common data model to support system integration.

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