

Case Study: Regional Gas Utility

Regulatory Compliance - Asset Integrity

Project Scope

This investor-owned utility with over 900,000 customers created its Gas Compliance System Assessment (GCS) Team to improve compliance with regulatory mandates requiring accuracy on asset integrity information. To address these mandates, the team considered multiple options inclusive of updating its legacy systems. The company opted to license new software applications based on a modern architecture providing flexibility and mobility. This solution needed to fit the current and future ever-changing regulatory needs of their gas business.

The utility chose to replace its internally- developed GCS with IBM's market-leading Maximo Asset Management software and Click Software's premier application for Scheduling and Mobile Workforce management. This combined solution is their platform for complying with the U.S. DOT's Pipeline and Hazardous Materials Safety Administration's (PHMSA) requirements while transforming the utility's Gas Distribution Integrity Management Program (DIMP) compliance effort. It also meets the utility's objective of flexibility while supporting long-term enterprise asset management goals.

Through a competitive selection process, the utility contracted Cohesive Solutions to lead its team in the analysis, design, build, test and deployment of this combination of enterprise-scale applications.

Decision Drivers Asset Management

Cohesive's implementation of Maximo provides this client with asset management capabilities necessary to keep its gas infrastructure maintained to regulatory standards. The utility needed a solution that would enable its field personnel to enforce gas compliance processes to manage, inspect, and test its natural gas assets.

Geospatial Information

Prior to the project, the utility's asset management solution was separate from its Geospatial Information System (GIS) application. Given the nature of the work, the integration of these two systems was an important factor in choosing a solution. Cohesive recommended the inclusion of Maximo's Spatial module to integrate GIS and mobile applications for this solution. This was done using Esri as the bridge between the client's alternate GIS and Maximo.



"Cohesive was instrumental in leading our utility through a challenging project resulting in a transformation of how we address regulatory compliance issues. Implementing Maximo and the Mobile Workforce management application hit the mark for our utility."
- Operations Manager



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Modernizing Processes

Cohesive performed discovery and recommended the inclusion of Maximo Linear. This fully addresses the utility's antiquated paper service card system that was inefficient, which relied on individuals' interpretation of previous work. This expedites the access-to and review of prior history and recording new information.

Results

The implementation of these software systems produced substantial changes in the workflow and business processes within the utility. Cohesive led this transformation with the client by providing change management leadership along with software training for over 1,100 gas employees and contractors.



Cohesive provides asset-intensive organizations with solutions that optimize business processes and information technology. Serving both public and private clients, we have established ourselves as the premier consulting and system integration firm focusing on asset, work, and supply chain management solutions.

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