RAMTeCH

Successfully Completed a Data Quality Assessment and Utility Network Migration for a Major North American Electric Utility

UN Utility Network

PS Professional Services

AT A GLANCE

CLIENT CHALLENGES

- Securing its historical investment in legacy enterprise GIS data that is required to run its operations
- Understanding and pinpointing legacy data that required remediation for its future Esri UN system
- Assurance that its data will support the UN data model, applications, and functionality

CLIENT BENEFITS

- RAMTeCH's UN solution of *gReady*[TM] and *uNet*[TM] delivered a powerful set of processes and tools to meet the client's challenges
- Leveraged our *gReady*[TM] data quality solution to target data issues specific to the UN that would ensure the required predictability necessary for the UN migration
- Leveraged RAMTeCH's proven *uNet*[TM] solution to transition the client's legacy data to its future UN environment with confidence

Business Need

Serving over five million customers, our client was looking to migrate its electric distribution network data to the Utility Network (UN). The data migration was from our client's aging legacy non-Esri environment to its future state Esri electric UN environment for its primary operating regions, each of which represents an extremely large network on its own. Prior to transitioning the data, a GIS data quality assessment on each of the operating regions was required in order to be fully prepared for migration to the UN. Each assessment focused on evaluating the legacy GIS data against the future state model to quantify relevant issues of quality and consistency that needed to be remediated to ensure a stable and predictable migration.

RAMTeCH Solution

To kick off the data assessment, prototype datasets enabled a more efficient means of identifying and working through system-wide data issues. From the initial prototype, statistics, facts, and insights were documented and quantified by RAMTeCH and provided to our customer for the foundation of an actionable remediation plan. RAMTeCH utilized our purpose-built and Esri-based *gReady*[TM] data quality solution on the customer's non-Esri data to complete the data assessments for each of the regions so that the customer, who opted to perform its own remediation, could complete the necessary work in advance of the migration mock cycle in which the clean data was needed. With the aid and power of *gReady*[TM], RAMTeCH's team was able to quickly assess the non-Esri data to focus on the error locations and issue types while categorizing and prioritizing them based on how they would impact the business operations, resulting in the most appropriate and efficient methods to resolve each issue. Once the data assessment was completed and all data issues were remediated, RAMTeCH continued the migration to the UN on a regional transition utilizing our *uNet*[TM] migration process. Each region endured a highly structured and efficient set of iterative mocks which included an initial pilot, two developmental mocks, followed by a go-live production run. The iterative hybrid agile foundation *uNet*[TM] ensured increasing confidence in the data quality, consistency, network builds, and predictive timing to instill absolute confidence between RAMTeCH and our customer and for the customer's internal transition planning.

Results

RAMTeCH delivered a proven approach to transitioning to the UN that encompassed both pre-migration evaluation and actions through our data assessment process and delivered a stable and powerful migration through our *uNet*[TM] migration environment, a process that gave our client confidence in the complex process to transition legacy non-Esri data to the electric UN.