



# Legacy Records Conversion for **Regulatory Compliance**

RMSI solutions help utilities streamline legacy records for asset integrity management programs and support regulatory compliance requirements

The records and data management practices of the North American utility sector have been on the radar of regulators and policy makers for years. This further intensified when the Energy Policy Act of 2005 expanded the Federal Energy Regulatory Commission's (FERC) authority to impose mandatory reliability standards.

The recent California Public Utilities Commission (CPUC) mandate of "traceable, verifiable, and complete" records represents one of the highest standards of records management for the pipeline industry. The CPUC ruling has effectively created new regulatory standards of data accuracy and completeness that are likely to be adopted by other state utility regulators as well.

Regulations such as Maximum Allowable Operating Pressure (MAOP), Distribution Integrity Management Program (DIMP), and One Call (811) Damage Prevention Enforcement have all reinforced the need for maintaining complete and accurate asset records.

These regulations govern network design and construction, protection from corrosion, pressure or load testing requirements, operation and maintenance, environment safety

## **Key Challenges**

- Retention and integration of historical records, service tickets, as-builts, etc.
- Assessing asset infrastructure for correctness and completeness
- Integrating disparate data from multiple sources and formats
- Conversion and maintenance of leak, corrosion, and repair service history records in digital format

and conservation, integrity, and risk management practices.

### RMSI SOLUTIONS

RMSI adopts a unique workflow process to capture and convert legacy data records and historical information that helps address these new compliance requirements. The sources could be a combination of service records, incident reports, as-built drawings, images, leak survey reports, and observations from field surveys.

RMSI also specializes in the subsequent integration of the converted data to their associated assets in the corresponding Asset Management Systems. The benefits of reduced cost, high quality product, and quick turnaround time are always passed on to the clients with each delivery.

#### Backlog Records Conversion

- Digital conversion of historical records and engineering drawings
- Indexing and organizing scanned paper records
- Creation of a centralized spatial repository

#### Asset Linkage and Data Management

- Correlation and consolidation of asset information from multiple sources into a consolidated GIS
- Developing interfaces with other enterprise management systems

### Records Management

- Near real-time records update to reflect post-construction changes
- Posting changes to landbase and infrastructure to improve accuracy
- Backlog records management pertaining to mains/services relocations, replacements & reinforcements
- Updation of mains replacement information (CI with Steel/PE pipes)
- Demarcation of natural resource data (tree protection zone) for environment protection
- Capturing information about services and maintenance history

### RMSI SALIENT POINTS

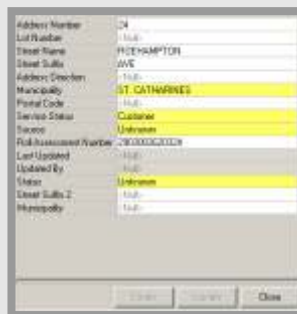
- Demonstrable experience of processing large volumes of service tickets and work orders within a short Turn Around Time (TAT)
- Successfully updated information on cast iron replacements for approximately 500 miles of network
- Over 18 million meters of gas network converted and repositioned to a higher accuracy base map
- Quick one-day turnaround digital mark-up services for carrying out on field inspections that include reports on trenching, excavation, new developments
- Automated workflow management system to handle large volumes of data conversion and allow real-time control and monitoring
- In-house developed automated and semi-automated tools to maximize productivity gains



Legacy record sample



Custom application used for asset linkage



Corresponding attributes stored as database



Legacy record linked in GIS