

The RMSI logo is located in the top right corner. It consists of the letters "RMSI" in a white, bold, sans-serif font, set against a dark green rectangular background.The background of the top half of the slide is a photograph of high-voltage power transmission towers and lines stretching into the distance under a clear sky. Light trails from vehicles on a road in the foreground are visible, suggesting a long-exposure shot.

ENABLING THE UTILITY OF TOMORROW

The background of the bottom half of the slide is a close-up photograph of solar panels, showing the grid lines and the reflective surface of the photovoltaic cells.

End to End Asset Data Management

Enterprise Asset Management (EAM) is a high priority initiative for most of the utilities today. They are investing in EAM to improve reliability and safety of assets, better compliance to regulations, and reduction in costs. This enables the utility to become more sustainable, digitally enabled, and adaptive on its transformational journey to become the Utility of Tomorrow. In a recent survey conducted by ABB, covering 200 of the largest utilities, 52% utilities reported asset management as high priority compared to other business efforts.

However, many utilities are disappointed that EAM has not delivered on the expected benefits. In a survey conducted by Plant Service magazine, most organizations rated their EAM, mediocre at best. On a scale of 1 to 5, users gave their implementations a score of 2.77, which is a matter of great concern. While utilities pursue EAM as a high priority initiative, yet most of them struggle to realize its full benefits...

Why do Utilities Struggle to Realize the Benefits of Enterprise Asset Management (EAM)?

One of the key reasons is not getting reliable, up-to-date and actionable asset information from EAM. In a survey conducted by Deloitte UK, less than 15% of the respondents reported that the quality of their asset data was high. Nearly half of the respondents rated their data quality as less than satisfactory.

EAM platforms are not capable to solve the information challenge by themselves. They need high quality data. Utilities tend to overemphasize on the IT component of EAM but often do not have a well defined Enterprise Asset Data Life-cycle Management program to ensure data quality.

Managing asset data across an enterprise is a complex task due to incompatibility and variations in the quality of data. The diversity of automated and manual systems that have either been patched together or at times are standalone, make it an uphill task to produce complete, reliable, and accurate data necessary for an effective EAM.



If the data quality is not assessed, optimized, and maintained during implementation of the EAM program, then the EAM will not be able to deliver on its core promise of providing reliable up-to-date asset information.

Building a Dedicated Asset Data Life-Cycle Management Program

A dedicated asset data life-cycle management program that includes data profiling, collation, quality assessment, cleansing, testing, validation, and maintenance - is essential for ensuring the asset data quality. This is a multi step program with three key stages:

Assessment & Planning

The first step requires a detailed assessment of the current data across all systems & departments that handle asset information. This could vary from sophisticated automated systems to something as basic as an Excel spreadsheet. This also covers legacy data sources that may or may not be integrated with existing systems. Based on findings of the assessment and objectives of the EAM, an Asset Data Management plan is developed.

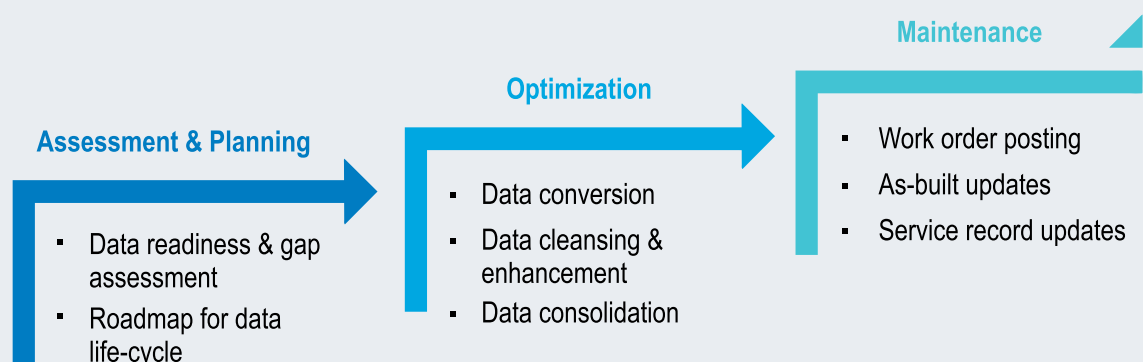
Optimization

Step two involves optimization of the data wherein the data is examined and cleansed using specialized processes and

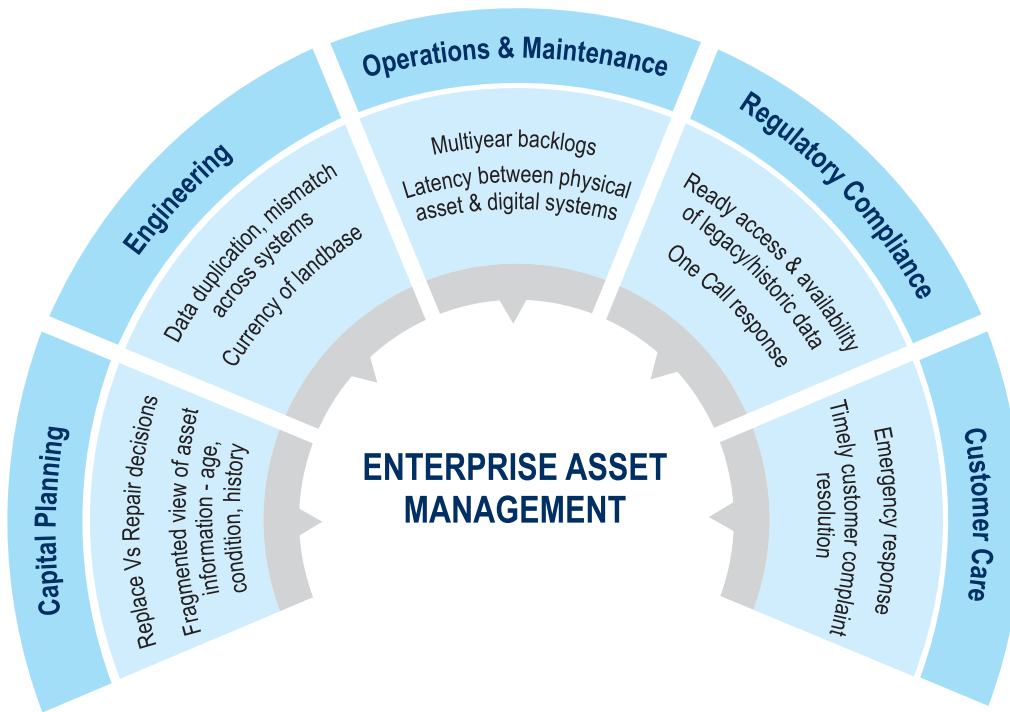
tools. This requires a very high level of expertise in data cleansing, enhancement, deep understanding of EAM technologies & processes, and utility operations. The key objective is to get the asset data ready in the shortest possible time for an ongoing Enterprise Asset Management implementation.

Maintenance

After planning and optimization, this step focuses on establishing and managing processes that will ensure that the asset data quality is continuously improving and adapts to the evolving needs of the utility. This is imperative to ensure that the benefits of EAM are realized throughout the asset life-cycle.



Data Challenges Across the EAM Life-Cycle



RMSI's Proposition

RMSI provides end to end integrated asset data management solutions comprising data readiness studies, data collection, consolidation, conflation, migration, maintenance, and optimization.

Our typical engagement model includes a two-week data readiness and gap analysis study wherein we interact with all departments and teams that have an interface with or use asset data. Based on the findings of the study, we develop a roadmap for asset data management life-cycle. This is followed by transition & go-live of our engagement.

This integrated end-to-end asset data management approach is what differentiates RMSI from other solution providers that offer piecemeal data solutions.

Why Clients Choose Us?

- Scale, proven and referenceable experience in the utility industry
- SLA defined outcomes on all key parameters – Quality, Cost, Delivery, and Service
- Extensive experience of working across all departments and across all stages of the asset data life-cycle
- One stop solution provider with a clear charter to own the management of the entire asset data life-cycle
- Proven ability to scale up to meet any capacity requirements

RMSI Success Stories



+10 MILLION

Historic records digitized in 12 months



+2 MILLION

Service records plotted in 6 months



3 YEAR IN 6 MONTHS

Backlogs cleared



ZERO DOWNTIME

To conflate network & landbase for a 2 million customer base



70%

Efficiency gains over 8 years on asset data life-cycle maintenance



1 MONTH TO 1 DAY

Reduction in One Call analysis and response time

RMSI Frameworks for Effective Asset Data Management

RMSI has the following proprietary frameworks for conflation, migration, and data readiness & gap analysis that help clients assess, improve, optimize, and maintain high quality asset data across the entire asset data life-cycle.



Next Generation Auto
Conflation

- Minimal downtime, business as usual
- In-built validation & reporting
- Assured zero connectivity, geometry & attribute losses



Utility Network
Digital Transformation

- No impact on data integrity
- Ready to deploy migration ETL scripts
- Auto data validation checks



Data Reviewer, Validation, and
Reporting Tool

- Utility specific business rules driven data validation tools
- Metadata management & customized reporting
- Built-in data profiling tools

About RMSI

Over 3300+ professionals work with us

Technology Partnerships - Esri, Oracle, Microsoft, GE,
BEA Systems

Quality Certifications - CMMI level 5, ISO 27001,
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018

Strategically located three development centres in India,
and five global subsidiaries in U.S, Canada, U.K, U.A.E, & Australia

Track record of having implemented some of the largest
geospatial projects across the world

