



How a Major Power Generation Company

Increased EAM Efficiency and ROI Through Data Strategy Standard

Objective:

Standardize Master Data to provide immediate ROI on EAM deployment and ensure Maximo is a valuable part of the client's IT and maintenance investments

Facing significant challenges during an Enterprise Asset Management (EAM) implementation, a leading North American energy provider enlisted Nexus Global for data configuration support. As so, Nexus Global would develop a company-wide Data Strategy Standard to generate a solid foundation of complete, consistent, and accurate data and ensure Maximo delivered optimal performance and maximum ROI.

In addition, Nexus Global would provide the complete equipment asset register and asset classifications for all facilities.

To achieve the project's intended goals, Nexus Global would develop an effective strategy to overcome the following challenges resulting from the lack of data standards or communication across the organization:

- No structured Asset Management Plan
- Implemented processes not defined/assessed pre-deployment
- Multiple asset/location data silos across the organization
- No clear topology/drill downs in Maximo to enable EAM functionality
- "We can't drill down to determine what costs are - can't see where money is being spent"
- "We rushed to install Maximo and some things are wrong"

Solution:

Data Optimizer™ for
Data Build Validation;
Strategy Optimizer™
for Maintenance
Strategy Development

Nexus Global performed an assessment to identify the organization's asset data challenges, asset management needs, and required solutions. The assessment was designed and rolled out in 3 phases: Educational Session, Data Collection/Assessment Session, Recommendation Session. Data Optimizer was used to audit the plant location hierarchy and establish Asset Class data requirements. Details of the assets were then approved and uploaded into Maximo against the new location structure. As each section was completed, development of new maintenance strategies took place using Strategy Optimizer within the APM Optimizer Suite™.

- Developed corporate standards for data management
- Implemented Maximo asset data cleanup/build, data and asset register redevelopment, data validation, and Maximo training
- Applied an APM framework to identify and outline asset management needs & improvement as a governance baseline for the maintenance strategy, implementation, and sustainability
- Established a clear line of sight to support the client's efforts towards a "one company, one culture" mindset
- Improved Reliability Performance and Reporting

Results:

Improved Maximo
data accuracy and
employee confidence
in asset data with
proper EAM utilization
towards APM Program

The outcome and implementation included a well-defined Asset Performance Management (APM) roadmap that captured the client asset lifecycle requirements with a quick-wins plan, long-term impact plan, and sustainability plan. With Maximo now working as intended, the company can expect better financial forecasting, resource loading, work management, and detailed understanding of operational costs.



Standardized
Process -
Good Data
Facilitates
Process
Control



Clear Path to
EAM/CMMS
(Maximo)
Adoption



40% of
Non-Value
Maintenance
Tasks
Removed



Reduced
Indirect
Process Costs
and Bad Data
up to 50%



Alignment
with
Corporate
and Asset
Management
KPIs



Data
Optimizer™

“ Maintaining reliability is an ongoing process, and we are constantly investing to ensure we continue to provide the electricity our customers rely on. It all starts by knowing what we have and getting master data correct.

Executive Leader, Client Facility