



MaximoGroups.org



FUNDAMENTAL
DATA
ELEMENTS FOR
ASSET
LIFECYCLE
MANAGEMENT
(ALM)



APPLIEDABI™

STRATEGY

ASSET MANAGEMENT & RELIABILITY



Material Management

Requisition

Quote

Order

Receive

Inventory

Invoice

APPLIEDABI™

FLOW MATERIAL MANAGEMENT

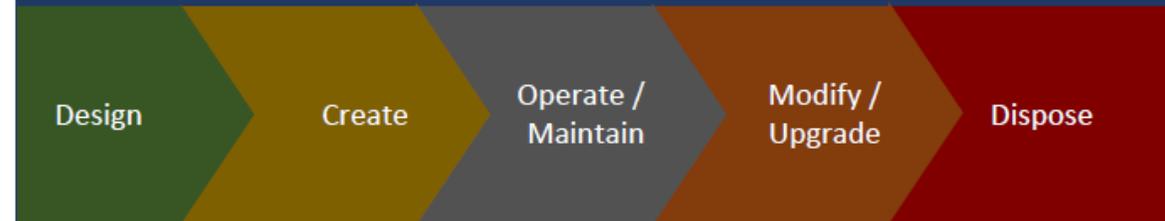


APPLIEDABI™

FLOW WORK MANAGEMENT



Asset Lifecycle Management



APPLIEDABI™

FLOW ASSET LIFECYCLE MANAGEMENT

Strategic Asset Management Plan (SAMP)

Asset Management & Reliability

Asset Lifecycle
Management

Work
Management

Material
Management

Asset Plans (APs)

Maintenance Plans (MPs)

APPLIEDABI™

LOGIC
ASSET MANAGEMENT
& RELIABILITY



Does your organization have
an Asset Management and
Reliability Strategy?

QUESTION



BEST VS. BENCHMARK:

Best Practice: Are the industry-recognized *strategies, methods, or approaches*. They are the *what* that good organizations do. Think of them as the *rules of thumb* or *established wisdom*.

Benchmark Practice: Are the quantifiable *results* and the *specific underlying processes* of a specific organization. They are the *how well* and the *how exactly* that an organizations operate, expressed through measurable performance indicators (KPIs, PIs).

BEST VS BENCHMARK PRACTICES



Is your organization Best or
Benchmark when it comes
to practices?

QUESTION

- 
- ✓ Classification (Asset Type)
 - ✓ Criticality (Priority - Consequence of Failure)
 - ✓ Condition (Probability / Likelihood of Failure)
 - ✓ Installation Date
 - ✓ Expected Life
 - ✓ Expected End of Life
 - ✓ Purchase Price
 - ✓ Replacement Cost

 - Failure Class (Failure Mode)
 - Usage (Maintenance Strategy)

FUNDAMENTAL DATA ELEMENTS ASSET LIFECYCLE



Has your organization
focused on collecting Asset
Lifecycle data?

QUESTION



Reliability & Performance Metrics

Mean Time Between Failures (MTBF)

Asset Health Score

OEE (Overall Equipment Effectiveness)

Maintenance Efficiency Metrics

PM vs. CM Ratio

Maintenance Backlog

Schedule Compliance

Financial & Lifecycle Metrics

Maintenance Cost as a % of RAV (Replacement Asset Value)

Inventory Turnover Ratio

Life Cycle Cost (LCC)

KPIs
KEY PERFORMANCE
INDICATORS



Maximo Health

Asset Health Scoring
Investment Planning

Maximo Predict

AI/ML Algorithms
Work Queues

Maximo Monitor

Remote Monitoring at Scale
Intelligent Dashboards

Maximo Visual Inspection (MVI)

AI Vision Models

Generative AI (Maximo Work Order Intelligence)

Automated Recommendations
Recurring Pattern Detection

**FUTURE
TOOLS / ADD-ONS**



APPLIEDABI™

Applied Asset Business Intelligence

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