Next-Generation EAM
Leveraging the SAP Solution to Drive Value

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The Target

Organizations with asset-intensive operations must have a comprehensive EAM System Strategy that integrates data and provides visibility into asset performance across the lifecycle. HCL will discuss proven strategies to enable your company’s journey on the EAM ‘Maturity’ curve to enable ‘Best in Class’ performance across the Asset Lifecycle.

- Large volumes of Disparate Data
- Disconnected Systems
- No live operational feeds
- Performance correlation difficult
- Asset metrics not integrated
- Lack of asset condition info
- No accurate OPEX view

- The right Analytics aligned to role
- The right solution role aligned
- Company wide access
- One consolidated data model
- One aligned asset view:
  - Opex
  - Condition
  - Performance
Next-Generation EAM – ‘Here and Now’

Achieving the journey from ‘Basic’ to ‘Best’ EAM with SAP:

1. Build the foundation
2. Support the Lifecycle
3. Covering all Work environments
4. Visualising the Assets
5. Gather, Analyse & Optimize

Basic

Best
Next-Generation EAM – ‘Here and Now’

- Organization & Resource structures aligned to Operating Model
- Operational Asset Structures – As-Built to As-Maintained fully maintained and governance in place.

A Strong Foundation is essential
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Basic to Best
SAP Enterprise Asset Management with iMRO – Delivering a Complete Lifecycle Solution

A Solid Core Solution

SAP Enterprise Asset Management supports organizations to efficiently and sustainably manage the whole lifecycle of physical assets in terms of performance, risks, and expenditures to achieve and maintain the stated business objectives*:

- Integrated asset management processes to collaborate across all related activities such as finance, HR, risk, and compliance – easily deployable in modular implementable steps
- Asset intelligence and a holistic view of performance, risks and expenditures throughout an asset’s lifecycle to ensure efficient utilization of assets
- Continuous and proactive operational risk management to support instant decisions and minimize disruption
- Leverages SAP Business Suite software

* According to PAS 55, the BSI standard for good practice in asset management
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Basic → Best
Taking the Solution Mobile - SAP Proven Process Application Portfolio

**Asset Management**
- Access to asset location, repair history, work order details, materials needed
- Complete Work Orders and capture all relevant data
- Create Notifications or Work Orders on the spot
- CATS - time & attendance
- Guided workflow

**Material Management**
- Spare parts back-order reporting to-and-from shipping/receiving
- Perform physical and cycle counts quickly
- Accept & distribute incoming materials by PO

**Field Service**
- Confirmations
- View, look up, update and transmit
- Record status, materials, problems, actions, expenses, customer signatures and more
- View all relevant customer data

**Condition Monitoring**
- Take measurements and readings
- Historic standards and safe ranges
- Generate notifications on the spot
- Trend readings, points and sequences to avoid emergencies and outages

**Sales**
- Account and Contact Management
- Activity Management
- Opportunity and Lead Management
- Sales Quotes & Orders
- iOS and Android device support

**SAP Work Manager**
- Refinery
- Marine
- Garages
- Gas Stations
- Pipeline

**SAP Inventory Manager**

**SAP CRM Service Manager**

**SAP Rounds Manager**

**SAP Sales Manager**
mSAM-Complex Assets: Supervisor Home Screen

- Click on Info Icon
- Navigates to View Jobs Screen
- Navigates To Equipment Details
- Navigates To Information Catalogue

Navigates To Job Details
Navigates To Flight Info
Navigates To View Defects
Navigates To Labor Clocking
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Basic → Best
Improving Solution Adoption - Visualisation

Focus Benefits:
• Maintenance accuracy
• Efficiency
• Attrition & retirement mitigation
• Compliance
• Safety

SAP 3D Visual Enterprise + iMRO
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Levels of Asset Management and Analytic Maturity

Level 1: Operational Facts & Data

Level 2: Functional Management & monitoring trends

Level 3: Strategic Value Delivery Management

Level 4: Preventative / Predictive Enterprise Performance Management

Information Led Management

Cultural/behavioural change

Basic Analytics

The journey will vary from business to business – where are we, and where do we need to be?
Enterprise-wide Asset Performance Management is the Goal

Executive reporting

Across Business Reporting

Business Unit / Departmental Reporting

Operational / Functional / Process Reporting

Strategic KPIs

Predictive Modelling

Align to Budget / Forecasts “Trade off”

Dashboards to manage & monitor

Standard business & Operational KPIs & detailed reports

A clear line of site from operational asset management to corporate strategy is essential
Next-Generation EAM – ‘Here and Now’

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