SAP Enterprise Asset Management – enabling asset managers and maintenance professionals

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What is influencing the way we are doing asset management?

- Smart assets
- Internet of Things
- Machine-to-machine
- Shop-floor to top-floor
- Integrated value chains
- Big data
- Knowledge management
- Social networks
- Mobilization
- Sustainability
- Operational Integrity
Asset Management – more than just Maintenance
What does it mean for my business?

- How do I balance CAPEX and OPEX and develop an asset replacement strategy?
- How do I improve asset performance and control maintenance cost?
- How do I manage asset-related risks and support corporate sustainability goals?
- How do I reduce energy cost and control emissions?
- How do I improve asset and worker safety and avoid critical incidents?
Asset Management – more than just Maintenance
Covering the entire lifecycle of physical assets...

SAP Enterprise Asset Management supports organizations in efficiently and sustainably managing the entire lifecycle of physical assets in terms of performance, risks, and expenditures to achieve and maintain the stated business objectives.

[referring to PAS55 → ISO 55000]
## Enterprise Asset Management
### From products to solutions

<table>
<thead>
<tr>
<th>Mobile Asset Management</th>
<th>SAP Work Manager (Syclo)</th>
<th>Mobile</th>
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<tbody>
<tr>
<td>Spare Parts Management</td>
<td>ARIBA Procure-to-Pay</td>
<td>Cloud</td>
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<td>Asset Visibility and Performance</td>
<td>RDS Asset Analytics</td>
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<td>Maintenance Operations</td>
<td>SAP ERP</td>
<td>Applications</td>
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<td>Optimize Maintenance &amp; Plant Operations</td>
<td>SAP Predictive Maintenance and Service (on HANA)*</td>
<td>Database &amp; Technology</td>
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*planned application*

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SAP R/3 4.6c
SAP ERP 6.0 Enhancement Packages 5 and 6

2010/11
SAP Screen Personas as an additional possibility

Integration of all needed information into a one-stop shop for the asset management & maintenance people
Getting insight into the performance of the assets.

Balanced scorecard with a set of predefined KPIs.
See the composition of the KPIs.
Having a more detailed look using a dashboard.
Drill down to the root cause of the problem.
Initiate action directly from analytics.
Have one entry point for all information you need as a maintenance worker.
View the jobs that you are responsible for.
Get more details where needed.
Select spare parts from a 3D visualization of the equipment.
Maintain your work orders on a mobile device even when being offline.
Have access to 3D visual repair instruction on your mobile device.
Recent innovations and talking points

Improvements in Portfolio & Project Management (PPM)

PM/PS Integration

Continuous Improvements

RDS Asset Data Quality

RDS Condition-based Maintenance

RDS Asset Analytics

SAP 3D Visual Enterprise

Linear Asset Management

SAP Work Manager mobile app

Multiresource Scheduling

GIS integration

Work clearance and work permit management

EAM on HANA

Asset Portfolio & Project Management

Asset Information Management

Asset Visibility and Performance

Maintenance Operations

Maintenance Parts & Services Provisioning

Mobile Asset Management

Operational Risk Management

Real Estate Lifecycle Management

Management of Change

Worker safety

Predictive Analytics
Key Points to Take Home

- Key improvements have been realized between 2010 and now! Talk with the team for getting more insight...

- SAP's overall strategy to combine the visual enterprise with high-speed analytics and mobility is fully reflected in our vision for SAP Enterprise Asset Management:

  - Provide asset managers and maintenance workers with the solution to achieve superior asset performance – manage the entire asset lifecycle, get real-time visibility, improve asset usage, and cut costs.
Questions?

More information:
http://www.sap.com/eam
http://service.sap.com/roadmap
http://scn.sap.com/community/eam

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