Legal disclaimer

The information in this presentation is confidential and proprietary to SAP and may not be disclosed without the permission of SAP. This presentation is not subject to your license agreement or any other service or subscription agreement with SAP. SAP has no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation and SAP's strategy and possible future developments, products and or platforms directions and functionality are all subject to change and may be changed by SAP at any time for any reason without notice. The information in this document is not a commitment, promise or legal obligation to deliver any material, code or functionality. This document is provided without a warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement. This document is for informational purposes and may not be incorporated into a contract. SAP assumes no responsibility for errors or omissions in this document, except if such damages were caused by SAP’s willful misconduct or gross negligence.

All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.
SAP Enterprise Asset Management
News from Development

S/4HANA
New Functionality 2015
EAM Roadmap
Asset Intelligence Network
Customer Engagement Initiative (CEI)
Customer Connect (CC)
Reimagine IT with the Next-Generation Business Suite
SAP S/4HANA
Introducing the next-generation core and lines-of-business solutions for the digital economy

• The SAP S/4HANA lines-of-business (LoB) solutions combine a modern and simplified core built on the SAP HANA platform with best-in-class LoB solutions and connection to business networks.

• These solutions are designed to help meet the new requirements of lines of business in the digital economy: real-time information on Big Data, personalized customer experiences, omnichannel, connected devices, people, and businesses.

• The LoB solutions can continue to be consumed as standalone solutions or as part of the SAP S/4HANA LoB solutions, giving more choice to customers, allowing true hybrid scenarios and incremental deployments.

© 2015 SAP SE. All rights reserved. This presentation and SAP’s strategy and possible future developments are subject to change and may be changed by SAP at any time for any reason without notice. This document is provided without a warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement.
SAP S/4HANA and SAP HANA Cloud Platform

The Digital Core

- SAP Fiori UX: role-based user experience for all devices
- SAP S/4HANA applications and extensions: instant insight-driven applications for all lines of business and industries
- SAP HANA platform: in-memory platform for all data

On-premise edition

Cloud edition

An Agile Platform

SAP HANA Cloud Platform

- Cloud Platform Technical Services
- Cloud Platform Business Services
- Cloud Platform Database Services

Cloud Integration

On-Premise Extensions

Cloud Extensions

Existing Cloud Applications

- Ariba
- Concur
- Fieldglass
- hybris
- SuccessFactors

New Digital Applications

- Internet of Things
- New Applications

11001 01010 10001

Big Data

Cloud Platform Database Services

Cloud Platform Business Services

Cloud Platform Technical Services

SAP HANA Cloud Integration

This presentation and SAP’s strategy and possible future developments are subject to change and may be changed by SAP at any time for any reason without notice. This document is provided without a warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement.
Some facts about SAP S/4HANA

1. Guided configuration
2. Predict, recommend, simulate
3. SAP HANA Cloud Platform extensions
4. SAP HANA multi-tenancy
5. All data: social, text, geo, graph processing
6. New SAP Fiori UX for any device (mobile, desktop, tablet)

Choice of deployment: on premise, cloud, hybrid
Nach der Migration von P22 auf HANA wurde der erwartete Performancegewinn aus dem PoC erreicht (Faktor 2.7*)
Simple user experience

- **Role-based** engagement across the business
- **Instant access** to any business insight
- **Simple design** across business processes
The EAM Way to Fiori

- SAPGUI client
  - Base Camp 0

- SAPGUI for HTML in desktop browser client
  - Base Camp 1

- Web Dynpro
  - Base Camp 2

- App API decoupled from Dynpro UI

- Fiori App
  - Fiori Peak

- Fiori Web
- Dynpro

- Web GUI
- Level

© 2015 SAP SE or an SAP affiliate company. All rights reserved.
### The key benefits of a simple user experience

<table>
<thead>
<tr>
<th>Benefit</th>
<th>Example</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gain productivity</td>
<td>Vilore Foods: Improved deliveries with SAP Fiori by <strong>60%</strong> increasing revenue and productivity</td>
</tr>
<tr>
<td>Increase user adoption</td>
<td>PPC Cement: Implemented SAP Fiori in <strong>2 weeks</strong>, increasing productivity and usability</td>
</tr>
<tr>
<td>Decrease user errors</td>
<td>Pacific Drilling: Reduced recurring training time with SAP Fiori to <strong>0 days</strong>, speeding tasks and driving innovation</td>
</tr>
<tr>
<td>Save training costs</td>
<td>Greatship: Enhanced responsiveness with SAP Fiori by <strong>30%</strong>, enabling faster, more informed decisions</td>
</tr>
</tbody>
</table>

Source: SAP Benchmarking Services
SAP S/4HANA: Coexistence of Fiori and Webdynpro
SAP S/4HANA: Coexistence of Fiori and Webdynpro

Lab Preview
SAP Enterprise Asset Management
News from Development

S/4HANA

New Functionality 2015

EAM Roadmap

Asset Intelligence Network

Customer Engagement Initiative (CEI)

Customer Connect (CC)
Web User Interface EAM

Simplified Management of EAM Functions 3
- Maintenance Worker Role – Simplified User Interface
- EAM Generic Role – Simplified User Interface
- Wide range of UX and functional enhancements
  - Work Overview
  - Quick View
  - Structure List
  - …..

Simplified Management of EAM Functions 4
- Enhancements in Task List
  - Template
  - Generate TL out of Order, confirmation
  - Graphical Relationship
- Enhancements in Order
  - Display of splits
  - Graphical Relationship
  - Mass Change in POWL
  - Maintenance Plan Item POWL
  - Technical complete during confirmation

Simplified Management of EAM Functions 5
- Follow On Order
- Improved UI for User Status on Header Level
- Deactivation of Code
- Change Notification type
- Documents on coding level
- Deactivation of Codes
Web User Interface EAM

Simplified Management of EAM Functions 6
- Setting User Status via Quick View

Simplified Management of EAM Functions 7
- Additional Fields in Orders and Task Lists
- Customer-Specific Fields in Plant Maintenance

Simplified Management of EAM Functions
- Master Data Information Center
- Technical Object POWL
- Value help via embedded search
## EhP7 Web User Interface

Videos available in Innovation Discovery

### Highlights

- Quick View
- Information Center & Search
- Structure
- Copy Operation
- Change Notification Type
- **D1**: Creating a Follow-On Order
- **D2**: Creating Follow-On Order based on order operation
- **D3**: Document Flow for Follow_On Order
- **D4**: Creating a Follow-On Order directly

### Highlights

- **D5**: Creating a Follow-On Order out of a confirmation

### User Personalization

- Personalization Table View
- Personalization User

### Administrator Personalization

- Notification
- Equipment
- Asset Viewer
- create Notification
SCN Blogs

http://scn.sap.com/community/eam/blog

Find new functions of EAM following our BLOG!

Lately added:

- EAM Web User Interface and Customer Fields
- Everything you always wanted to know about "How to use and adjust the EAM WebUI ..."
- and many more…
SCN EAM Blogs

Available:

- Innovation Discovery for all Innovations
- How to Guide EAM
- SDN Blog
  - Simplification in EAM
  - Simplification in EAM – Summary
  - Simplification in EAM – Quickviews
  - Simplification in EAM – Notifications
  - Simplification in EAM – Maintenance Work Orders
  - Side Panel for Business Suite
  - EAM Side Panel SAP Note 1816377 (Information to customer)
  - Changing the Notification Type
  - After Event Recording (Nacherfassung PM Auftrag)
  - EAM Web User Interface and Customer Fields

Coming soon:

- EAM Master Data API’s support now Custom Fields and User Status
- EAM Order / Notification API’s support now Custom Fields and User Status
- Set Operation status in Web UI via Quick View
How to find information about solutions, recent innovation, and SAP's roadmaps:

http://scn.sap.com/community/eam/blog/2013/03/08/how-to-find-information-about-recent-innovation-and-saps-roadmaps

http://www.sap.com/solutionexplorer

http://service.sap.com/findinnovation

http://service.sap.com/roadmap

Overview of Enhancement Package
Fiori App for Employee: Simplified search for affected technical object

Barcode or Type ahead search - 1

This presentation and SAP's strategy and possible future developments are subject to change and may be changed by SAP at any time for any reason without notice. This document is provided without a warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement.
Fiori App for Employee: Simplified search for affected technical object
Barcode or Type ahead search - 2
Fiori App for Employee: Improved Quality of Data Collection with Template Based Entries

Lab Preview

Lab Preview

Lab Preview

© 2015 SAP SE. All rights reserved. This presentation and SAP’s strategy and possible future developments are subject to change and may be changed by SAP at any time for any reason without notice. This document is provided without a warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement.
Simplified Tracking, Review and Editing of Open Requests

Lab Preview

Lab Preview

Lab Preview

Lab Preview
SAP S/4HANA: Fiori App for Maintenance Technician

Fiori Launchpad

Corrective Maintenance

Report and Repair Malfunction

Report and Repair Malfunction
My Job List

Jobs 5
**SAP S/4HANA: Fiori App for Maintenance Technician**

**Fiori: Create Breakdown Maintenance Request**

---

**Ersatzteile**

- Material: DG-1000
- Beschreibung: Gummischlauch
- Menge: 2 Stück
- Verfügbar: Werk A1: Gebäude...

**Dokumente**

- Beschädigte_Pumpe.png

**Notizen**

- Einfügen Sie Ihre Notizen

**Meine Leserzeichen**

**Hinweise**

**Betriebsanleitungen**

<table>
<thead>
<tr>
<th>Datum</th>
<th>Notiz</th>
</tr>
</thead>
<tbody>
<tr>
<td>23. September 2015</td>
<td></td>
</tr>
</tbody>
</table>

---

© 2015 SAP SE. All rights reserved.
SAP S/4HANA: Fiori App for Maintenance Technician

Fiori: Select Technical Object
SAP S/4HANA: Fiori App for Maintenance Technician

Fiori: Search Material

Lab Preview

Lab Preview
SAP S/4HANA: Fiori App for Maintenance Technician

Fiori: Confirmation
SAP Enterprise Asset Management
News from Development

S/4HANA
New Functionality 2015

EAM Roadmap
Asset Intelligence Network
Customer Engagement Initiative (CEI)
Customer Connect (CC)
Extended supply chain value map [www.sap.com/solutionexplorer](http://www.sap.com/solutionexplorer)

Comprising Supply Chain, R&D/Engineering, Manufacturing, Asset Management, and Sustainability LoBs

<table>
<thead>
<tr>
<th>Sustainable Product Innovation</th>
<th>Demand-Driven Business Planning</th>
<th>Response and Supply Orchestration</th>
<th>Automated Agile Manufacturing</th>
<th>Efficient Logistics and Order Fulfillment</th>
<th>Operational Excellence</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project and Portfolio Management</td>
<td>Sales, Inventory, and Operations Planning</td>
<td>Response and Supply Management</td>
<td>Responsive Manufacturing</td>
<td>Transportation Management</td>
<td>Asset Operations and Maintenance</td>
</tr>
<tr>
<td>Design Orchestration</td>
<td>Demand Management</td>
<td>Production Planning and Scheduling</td>
<td>Manufacturing Operations</td>
<td>Warehouse Management</td>
<td>Environment, Health, and Safety</td>
</tr>
<tr>
<td>Product Safety and Stewardship Network</td>
<td>Demand Network</td>
<td>Response Network</td>
<td>Manufacturing Network</td>
<td>Logistics Network</td>
<td>Asset Network</td>
</tr>
</tbody>
</table>
Selected end-to-end processes for extended supply chain

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Recipe Development</td>
<td>Production Scheduling</td>
<td>Portfolio Management</td>
<td>Asset Planning and Scheduling</td>
<td>Health and Safety Management</td>
<td>Asset Information Governance</td>
<td>Product and Chemical Compliance for Process Industries</td>
<td>Sustainability Reporting and Performance Management</td>
<td>Portfolio and Lease Management</td>
</tr>
<tr>
<td>Authoring Tool Integration</td>
<td>Production Warehouse</td>
<td>Project Management</td>
<td>Maintenance Execution</td>
<td>Environment Management</td>
<td>Predictive Maintenance and Service</td>
<td>Safety Data Sheet Management</td>
<td>Product and Supplier Sustainability Assessment</td>
<td>Space Management</td>
</tr>
<tr>
<td>Sourcing</td>
<td>Enterprise Performance Management</td>
<td>Project Connectivity</td>
<td></td>
<td></td>
<td></td>
<td>Global Label Management</td>
<td></td>
<td>Energy and Safety</td>
</tr>
<tr>
<td>Handover to Manufacturing</td>
<td>Lean Manufacturing</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Engineering Collaboration</td>
<td>Quality Management and Compliance</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

LoB R&D/Eng | LoB Mfg | LoB R&D/Eng | LoB Asset Management | LoB R&D/Eng | LoB Finance

Extended Supply Chain

© 2015 SAP SE. All rights reserved. This presentation and SAP’s strategy and possible future developments are subject to change and may be changed by SAP at any time for any reason without notice. This document is provided without a warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement.
SAP's vision for Asset Management

Provide best-in-class user experience seamlessly on all devices.

Help ensure accuracy of master data and allow for sharing master data alongside the value chain.

Establish a business network for OEMs, service providers, operators, and other contributors.

Make operational data available for comprehensive analytics and insight-to-action, leveraging the IoT.
# Innovation highlights in asset management

## Asset Operations and Maintenance

### Recent innovations

- Usability improvements in plant maintenance functionality in the SAP ERP application (SAP Fiori user experience and Web Dynpro development environment)
- Maintenance Execution as part of the SAP S/4HANA Enterprise Management solution
- Improvements in mobile applications – enhanced functionality and augmented reality
- Improvements based on requests from various user groups (Customer Connection program, cycle 3)
- Enhanced functionality for the SAP Multiresource Scheduling application

### Planned innovations

- Improvements based on requests from various user groups (Customer Connection program, cycle 4)
- Further UX improvements (SAP Fiori)
- Additional functionality for Mobile Asset Management and mobile work clearance management scenarios
- Further enhancements for SAP Multiresource Scheduling
- Geospatial enablement of asset management business processes

### Future direction

- Further real-world awareness (Internet of Things) and M2M connectivity leveraging the SAP HANA platform
- Cloud-based applications for transactional and collaborative scenarios (SAP S/4HANA suite)
- Risk-based asset lifecycle costing (SAP S/4HANA)
- Risk and reliability analysis (SAP S/4HANA)
- Proactive maintenance strategy planning (SAP S/4HANA)
### Recent innovations

- Incident Management in SAP S/4HANA
- Health and Safety Management in SAP S/4HANA
- Risk assessment improvements to the SAP Environment, Health, and Safety Management (SAP EHS Management) application
- Air emissions management with SAP EHS Management
- Enhancements for the SAP Management of Change application

### Planned innovations

- Continuous innovation with SAP S/4HANA – incident analytics, SAP Fiori apps
- Continuous innovation with environment management – calculation equation library, reports, automatic data collection interface
- Environment Management in SAP S/4HANA
- Continuous innovation with work clearance /permit management – including mobile work clearance management application (SAP S/4HANA)

### Future direction

- Support for process safety management processes
- Use of predictive and real-time analytics to improve safety and risk management (SAP S/4HANA)
- Leveraging of full air emissions process capabilities (SAP S/4HANA)
- Support for workers everywhere on any device
Innovation highlights in asset management

**Asset Network**

### Recent innovations
- SAP Master Data Governance application, enterprise asset management extension by Utopia
- SAP Predictive Maintenance and Service solution, cloud edition

### Planned innovations
- Further enhancements to the SAP Master Data Governance application, enterprise asset management extension by Utopia
- Further enhancements to SAP Predictive Maintenance and Service, cloud edition
- Collaboration in the cloud for asset information (SAP Asset Intelligence Network)

### Future direction
- Enterprise asset management (EAM) master data workbench
- Further enhancements to SAP Predictive Maintenance and Service
- Further enhancements for collaboration in the cloud for asset information (SAP Asset Intelligence Network)
SAP Enterprise Asset Management
News from Development

S/4HANA
New Functionality 2015
EAM Roadmap

Asset Intelligence Network
Customer Engagement Initiative (CEI)
Customer Connect (CC)
Introduction into AIN
Networking is today!
Social Media Behavior drives desire for Business Collaboration
A network to bring together business partners

Applications

- Global Inventory
- Asset Lifecycle
- Pay on Performance
- Work Scheduling
- Equipment History
- Lease Management
- Benchmarking

OEMs & Service Providers
- Pump OEM
- Valve OEM
- Service Provider

Operators
- Mining Company
- O&G Company
- Utility Company

Content
Integration
Network
AIN usage benefits
Manufacturer’s value:

- Centrally manage information once
- Build installed base knowledge
- Gain operations insights
- Publish to selected audience
- Establish one channel to many operators
- Push communication and alerts to customers
- Position and sell add-value services
- Improved Customer Satisfaction
- Accelerated Product Time-to-Market
- Improved Service Profitability
- Generating of new revenue sources via the network
- Management of stakeholders by AIN operator (SAP)

SAP Asset Intelligence Network

Maintenance Strategy / Intervals & Tasks

Operator

Operator

Operator

Operator

Revisions / Service Bulletins
Operator’s value ….

Operator’s value:

- Establish one channel to many manufacturer’s and EPC
- Higher asset availability
- Reduce manual asset search effort
- Push communication and alerts to manufacturers / service providers
- Reduce master data maintenance effort
- Lower asset life cycle costs
- Higher process safety by transparent and bundled product – service offerings from manufacturer
- Management of stakeholders by AIN operator (SAP)

Specifications

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>MOTOR TYPE</td>
<td>DC</td>
</tr>
<tr>
<td>NUMBER OF PHASES</td>
<td>3P</td>
</tr>
<tr>
<td>POWER RATING</td>
<td>570KW</td>
</tr>
<tr>
<td>VOLTAGE RATING</td>
<td>690V</td>
</tr>
<tr>
<td>ROTATIONAL SPEED</td>
<td></td>
</tr>
<tr>
<td>SPECIFICATIONS</td>
<td></td>
</tr>
</tbody>
</table>

Equipment Subdivision

- Electric motor
- Lubrication system
- Stator
- Reservoir
- Rotor
- Pump
- Excitation
- Motor
- Radial bearing
- Filter
- Thrust bearing
- Cooler
- Coupling
- Valves
- Control
- Oil
- Actuating device
- Cooling system
- Monitoring
- Heat exchanger
- Valves
- Filter
- Internal power supply
- Valves
- Miscellaneous
- Piping
- Hood
- Pump
- Motor
- Fan

Maintenance Strategy / Intervals & Tasks

Revisions / Service Bulletins
SAP solution for collaborative asset management
Asset Intelligence Network

Apps
Apps for collaborative processing of service bulletins, performance improvement, and spare parts change management

Content
A cloud portal of standardized content that defines and documents equipment and models, shared and stored, for a consistent definition between business partners

Network
A secure network to connect multiple business partners for inter and intra company collaboration

Combined together to deliver
Asset Intelligence Network
AIN preview
Vision-Demo Asset Intelligence Network (iPAD)

Operator view:

Manufacturer view:

iPAD App „Connected Assets“
AIN – Asset Management – Side Panel Integration – SAP GUI
AIN – Asset Management – Side Panel Integration - SAP WebUI
AIN status quo & outlook
the planned path into the market ....

<table>
<thead>
<tr>
<th>Key Milestones (e.g. Launch, Ramp-Up, Dev. Q-Gates)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Q4/2015</strong></td>
</tr>
<tr>
<td>Oct</td>
</tr>
<tr>
<td>---------</td>
</tr>
<tr>
<td>Customer Acceptance Test</td>
</tr>
<tr>
<td>Test with customer data</td>
</tr>
<tr>
<td>Dec. 11th Beta Release Launch</td>
</tr>
<tr>
<td>Customer validation</td>
</tr>
<tr>
<td><strong>Q1 &amp; Q2/2016</strong></td>
</tr>
<tr>
<td>Jan</td>
</tr>
<tr>
<td>---------</td>
</tr>
<tr>
<td>Mar 11th Beta Release End</td>
</tr>
<tr>
<td>Mar 18th RTC</td>
</tr>
<tr>
<td>Hannover Fair 2016</td>
</tr>
<tr>
<td>Onboarding of additional selected Customers (Industry E&amp;NR and Chemicals)</td>
</tr>
<tr>
<td><strong>Communication &amp; Events</strong></td>
</tr>
<tr>
<td><strong>DSAG-Jahreskongress. 29.09 - 01.10. 2015</strong></td>
</tr>
<tr>
<td><strong>T.A. Cook Conference 05 - 06.10. 2015</strong></td>
</tr>
<tr>
<td><strong>SAP Conference Series on Extended Supply Chain 1-6 Oct</strong></td>
</tr>
<tr>
<td><strong>SAP TechEd 2015 19 – 23 Oct Las Vegas</strong></td>
</tr>
<tr>
<td><strong>Mastering EAM/SCM with SAP 25-28 Oct</strong></td>
</tr>
<tr>
<td><strong>SAP TechEd 2015 10 – 12 Nov Barcelona</strong></td>
</tr>
<tr>
<td><strong>SAP Select Barcelona 16 – 17 Nov Barcelona</strong></td>
</tr>
<tr>
<td><strong>OpEx MENA 6-8 Dec</strong></td>
</tr>
<tr>
<td><strong>SAP’s FKOM(s)</strong></td>
</tr>
<tr>
<td><strong>Jan 11th Beijing</strong></td>
</tr>
<tr>
<td><strong>Jan 11th Singapore</strong></td>
</tr>
<tr>
<td><strong>Jan 18th Barcelona</strong></td>
</tr>
<tr>
<td><strong>Jan 26th Las Vegas</strong></td>
</tr>
<tr>
<td><strong>Jan 26th Mexico</strong></td>
</tr>
<tr>
<td><strong>Mrz 07th Denver, US SAP Centric EAM</strong></td>
</tr>
<tr>
<td><strong>Mrz 14th Houston, US SAP for Chemical</strong></td>
</tr>
<tr>
<td><strong>Mrz 11th The Hague, NL SAP for Utilities</strong></td>
</tr>
<tr>
<td><strong>Apr 12th The Hague, NL SAP for Oil &amp; Gas</strong></td>
</tr>
<tr>
<td><strong>Apr 25th Hannover Hannover Messe</strong></td>
</tr>
</tbody>
</table>
The SAP Asset Intelligence Network will bring together the manufacturers, service providers, and operators of the world’s assets to collaborate around shared equipment information to maximize availability, improve efficiency, and create new business models.
SAP Enterprise Asset Management
News from Development

S/4HANA
New Functionality 2015
EAM Roadmap
Asset Intelligence Network
Customer Engagement Initiative (CEI)
Customer Connect (CC)

New Customer Connection cycle 2016 for Continuous Improvements

Customer Engagement Initiatives (CEI) on
- Risk-Based Asset Life Cycle Costing
- Predictive Maintenance & Service
- Geographical Enablement Framework
- Fiori Apps for Asset Management
- Inspection Planning
- Document Management in S/4 HANA

...For more details visit http://influence.sap.com ...
Typical Business Challenges

- Cost optimization in various silos without consistent life cycle views is counter productive for effective management of asset
- Poor decision made while procuring asset. Operating and maintaining assets without real time visibility to cost, performance, reliability and risk
- Non availability of detailed budget preparation guideline allows continuation of wasteful activities and focusing more on breakdowns rather than preventive / corrective activities

SAP In-Memory Computing

<table>
<thead>
<tr>
<th>Needs</th>
</tr>
</thead>
<tbody>
<tr>
<td>▪ Create real time cost matrix for various type of assets based on their criticality, age and utilization.</td>
</tr>
<tr>
<td>▪ Use statistical methods to prepare best possible forecast models</td>
</tr>
<tr>
<td>▪ Simulate various combination of utilization and maintenance strategies to optimize possible maintenance and operational costs</td>
</tr>
<tr>
<td>▪ Prepare long term forecast for resources, spare parts and consumable material.</td>
</tr>
<tr>
<td>▪ Prepare investment plans that optimize life cycle of asset</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Expected benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>▪ Preparing maintenance budget that could be monitored and controlled</td>
</tr>
<tr>
<td>▪ Improved prioritization of improvements in asset and asset management strategies</td>
</tr>
<tr>
<td>▪ Improved long-term visibility of maintenance activities that are needed and resources required perform these activities.</td>
</tr>
</tbody>
</table>

SAP S/4HANA potential business impact

- Real time monitoring of historical maintenance and evaluating performance index of various asset types
- Prepare accurate long term planning to optimize cost, reliability and operational performance of asset
SAP Enterprise Asset Management
News from Development

S/4HANA
New Functionality 2015
EAM Roadmap
Customer Engagement Initiative (CEI)
Customer Connect (CC)
Customer Connection Focus Topic project
SAP EAM - Preventive Maintenance - project timeline

Collect
- Collection of Improvement Requests
- Follows, moderates and comments on improvement request

Select
- Selection of improvement requests for implementation
- Detailed analysis and decision on implementation

Develop
- Improvements’ development (delivery as notes/SP)
- Development and delivery of notes and support packages

Use
- Productive use in customers’ systems
- Continuous improvement of the Customer Connection process

Customers
- Submit improvement requests, subscribe for IR prioritization
- Provide feedback in development & support testing
- Provide feedback on productive use

Kick-Off
- February
- Open project workspace 1.2.2016
- Speaker’s Corner Sessions

Final Call
- April 7, 2016
- Close project workspace 16.4.2016

Decision Meeting
- ~ 9.7.2016
- Detailed analysis and decision on improvement implementation

Selection Call
- ~ 22.07.2016
- Development and delivery of notes and support packages

Delivery Call
- ~ Q1 2017
- Continuous improvement of the Customer Connection process

Provide feedback on productive use

© 2015 SAP SE. All rights reserved. This presentation and SAP’s strategy and possible future developments are subject to change and may be changed by SAP at any time for any reason without notice. This document is provided without a warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement.
Thank you!

More information:
http://www.sap.com/eam
http://www.sap.com/solutionexplorer
http://service.sap.com/findinnovation
http://service.sap.com/roadmap
http://service.sap.com/pam

www.twitter.com/EAMatSAP
http://scn.sap.com/community/eam

Stephan Bantlin
Chief Product Owner EAM

SAP SE
Dietmar-Hopp-Allee 16
69190 Walldorf, Germany

T  +49 8115545-292
F  +49 6227 78-38446
M  +49 160 3603569
S  +49 6227 7-49510
E  stephan.bantlin@sap.com