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Agenda for the next 60 minutes

❖ Introduction
❖ Current Industry Challenges
❖ What is SAP Asset Manager
❖ Benefits of SAP Asset Manager
❖ Demonstration
❖ Roadmap & Function review
❖ What does a project looks like
❖ Q&A
Your hosts for today's session

Rachel Romanoski
Global Solution Manager
SAP Asset Manager

Glenn Sawyer
Global Product Champion
Intelligent Asset Management
Challenges in Asset Management

In asset management customers are facing the following challenges:

• Proliferation of assets to maintain with fewer technicians to maintain them
• Geographically distributed maintenance assets and technicians
• Increasing regulatory pressures and rising costs
• Aging workforces and infrastructures

SAP Asset Manager helps to:

• Capture and access timely, accurate data both online or offline to better respond to increasing market demand and globalization and regulatory, social, and environmental pressures
• Better manage complex assets and reliance on third parties
• Retain and build on your company’s knowledge base and minimize the effects of employee attrition
SAP Asset Manager
The new cloud-based mobile asset management solution

SAP Asset Manager is a new mobile app leveraging the digital core with SAP S/4HANA and SAP ERP as well as SAP Cloud Platform as the IoT platform for managing work orders, notifications, condition monitoring, material consumption, time management, and failure analysis. It helps the highly skilled workers who maintain enterprise assets to perform their job with complex information and business logic that is always available whether they are connected to the network or working in offline environments.

Key capabilities

- **Access to different sources of enterprise data and capabilities**
  Provides timely, relevant, and accurate information such as asset health, inventory, maintenance, and safety checklists

- **Ready-to-use, extensible iOS/Android native app – integrated with native features and services**
  Enables the worker to be more productive and seamlessly take advantage of the iOS/Android ecosystem

- **Intuitive UI: SAP Fiori (for iOS/Android design language)**
  Provides context-rich visualization and actionable insights

- **Mobile-enabled processes integrated with enterprise systems**
  Enables easy and timely execution of end-to-end asset management on the go
SAP Asset Manager

Process Overview

- Technician downloads work orders generated via planned, predictive or corrective processes
- Technician travels to location of assets under maintenance
- Technician captures field data while performing asset management work
- Technician reports time and material consumption
- Technician interacts with crew, team leads, vendors, contractors and back office colleagues

Digital Transformation

**Digital business scenario: predictive asset management***

*Processes where the mobile app delivers new functionality to the scenario are highlighted here. Processes where the app only provide a simplified user experience are not shown.*
Mobility as Part of the digital business process chain

Increase effectiveness
Effectiveness is the capability of producing a desired result.

Process Innovation

Increase efficiency
Time, effort or cost is well used for the intended task or purpose.

S/4HANA
SAP ERP
Non-SAP Apps
SAP Intelligent Asset Management
Mobile Asset Management

- Eliminate paperwork while reducing downtime and maintenance backlog
- Extend and improve asset life and reliability by shortening work cycles
- Turn capital spending into operational investments using cloud deployment
- Manage existing work and asset data whether you’re online, offline, or occasionally connected
SAP Asset Manager
Value Proposition

- **Standard SAP Solution**, natively integrated with the SAP Enterprise Asset Management, SAP S/4HANA Asset Management, and SAP Intelligent Asset Management solutions

- **Next generation cloud solution**, leveraging 20 years of mobile asset management experience.

- **Consumer-grade user experience** and superior performance, designed for an intuitive and exceptional native user experience on iOS and Android devices, with enterprise grade capabilities.

- **Easy customization**, in a cloud-based editor by leveraging SAP Cloud Platform Mobile Services and the mobile development kit
SAP Asset Manager Data Center Locations*

Currently SAP Asset Manager is hosted in data centers in the following locations. Your systems are provisioned to the data center indicated on the order:

a) North America
b) South America
c) EMEA
d) Riyadh
e) Dubai
f) Tokyo
g) Sydney
h) Moscow

System maintenance windows are based on the local time of the Data Center.

* availability of SAP Cloud Platform Mobile Services

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Live Demonstration

Rachel Romanoski
Global Solution Manager
SAP Asset Manager
SAP Asset Manager 4.0 – 1906 Overview Latest Release

- Equipment install and dismantle
- Hierarchy view and search control
- Dynamic forms supporting ASPM checklists
- Progress indicator during initial and delta syncs
- Support for URL type documents
- Enhanced document support
- Online search for parts
- Operation and suboperation list views for assignment levels 2 and 3
- Create notification at operation/suboperation level
- Create work orders and notification from equipment and functional locations
- Android version is released as GA and has platform parity with iOS* (*some reported issues will be addressed in subsequent releases)
- Additional language support
SAP Asset Manager
PdMS Indicators

PdMS, or Predictive Maintenance and Service equipment indicators allow you to easily identify the health status of your equipment.

PdMS is part of the Asset Central component, which relays information to and from the SAP Asset Intelligence Network back end.
ASPM, or Asset Strategy and Performance Management checklists are a type of assessment used for equipment. If equipment has a mandatory checklist associated with it, when you tap on **End Work Order**, you are automatically taken to the Checklist screen to complete the checklist before you can fully complete your work order.

A checklist, or questionnaire, can be composed of multiple-choice questions or questions where you can enter free-form text.
SAP Asset Manager
Field Operation Worker component

SAP Asset Manager for the field operations worker is a component leveraging the digital core with SAP S/4HANA and SAP ERP for task-driven activities and rounds.

It supports workers who perform asset inspections and checks with a focus on measurement points and on smaller services and repairs.
SAP Asset Manager
Crew Reporting

Allows team leads to manage crews

- Crew list management with add/remove crew members
- Add/remove vehicles
- Edit vehicles (odometer reading)
- Manage crew timesheet
SAP Asset Manager
Meter Management

Supports the following tasks:

- Meter installation
- Meter removal
- Meter replacement
- Aperiodic meter readings
- Periodic Meter readings
- Disconnect/Reconnect orders
- Meter repair Orders
SAP Asset Manager
Customer Service

Enables to maintain or perform service to equipment under contract at sites for customers or other third parties. Using Customer Service:

- Details of service engagements of the technician with the customer
- Details of business partner information associated with the customer
- Details of contract and warranty information for the customer
- Online mapping functionality for both customer addresses and partner address
## SAP Asset Manager
### Product road map overview – Key innovations

<table>
<thead>
<tr>
<th>Recent Innovations</th>
<th>Q4/2019 – Planned Innovations</th>
<th>Future Planned Innovations</th>
<th>Product Direction</th>
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<tbody>
<tr>
<td><strong>SAP Asset Manager 4.0</strong></td>
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<tr>
<td>▪ Manage work orders, notifications, timesheets</td>
<td>▪ Increased feature parity with SAP Work Manager</td>
<td>▪ Best-in-class mobile app for asset management</td>
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<td>▪ SAP S/4HANA and ERP support</td>
<td>▪ Assign and manage local orders/operations/notifications in offline mode</td>
<td>▪ Addition of easily implementable extensions to SAP solutions fulfilling specific industry needs</td>
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<td>▪ Android and iOS support with SAP Fiori user interface</td>
<td>▪ Support clock-in/out for time capture in multi-user assignment model</td>
<td>▪ Instant asset status insights with the Internet of Things</td>
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<td>▪ Enhanced Attachment support for multiple file types</td>
<td>▪ Equipment bill of materials</td>
<td>▪ Dynamic process optimization through Machine Learning</td>
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<td>▪ Push support</td>
<td>▪ Inbound transaction queue support</td>
<td>▪ Smart Glass Integration</td>
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<td>▪ Esri ArcGIS integration for Maps</td>
<td>▪ Material movement transactions, including:</td>
<td>▪ Reliable and highly secure transactions with blockchain and distributed ledger</td>
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<td>▪ Language and localization</td>
<td>– Manage serialized parts</td>
<td>▪ Expanding the app cloud offering with SAP S/4HANA Cloud</td>
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<td>▪ Industry-specific modules</td>
<td>– Add support for returns/reversals</td>
<td>▪ Support for OData V4</td>
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<td>– Crew reporting</td>
<td>– Push support for Notifications</td>
<td>▪ Additional Industry-specific modules</td>
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<tr>
<td>– Meter management</td>
<td>– Support for SAP Geographical Enablement Framework (GEF) for Esri</td>
<td>– Supervisor mode</td>
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<tr>
<td>– Field operations worker</td>
<td>– User specific configurations via Parameter framework</td>
<td>– Environment Health and Safety</td>
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<td>– Customer service</td>
<td>– Improved error handling during syncs</td>
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<tr>
<td>▪ Integration with SAP PdMS (indicators) and SAP ASPM (Checklists)</td>
<td>▪ Additional language support - Malaysian, Hebrew, Slovenian, Croatian, Bulgarian, Polish, Russian and others.</td>
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<tr>
<td>▪ Improved user experience</td>
<td>▪ Technical object list for work orders</td>
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<td>– Hierarchy View and Search Control</td>
<td>▪ SAP Asset Intelligence Network error codes and instructions</td>
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<td>– Progress feedback during initial and delta syncs</td>
<td>▪ Digital access measurability support</td>
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<td>▪ On-demand/Online search for parts</td>
<td>▪ Additional material movement transactions, including:</td>
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<tr>
<td>▪ Equipment install and dismantle</td>
<td>– Create purchase requests for missing parts</td>
<td>– Create manual reservations</td>
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<td></td>
<td>– Manage nonstock items</td>
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<td></td>
<td>▪ Industry-specific modules</td>
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<td></td>
<td>– Liner Asset Management</td>
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<td>– Vehicle Stock</td>
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<td>– Work Clearance Management</td>
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<td></td>
<td>▪ Visual Enterprise support</td>
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<td>▪ OCR and RFID support for data input</td>
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<td>▪ Enhanced GIS support with Create and Edits on Map</td>
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<td></td>
<td>▪ Online Search for work orders and notifications</td>
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1. This is the current state of planning and may be changed by SAP at any time without notice.

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Asset Manager Services Project Example
Consulting offering – SAP Asset Manager

Accelerate implementation of a solution to record maintenance activities in real time. Customers choose between a single tier PoC or a three tier productive pilot with standard scope for a fast and effective implementation following industries best practices methodology.

Services Scope*

**S**  
12 - 16 weeks  
Experiencing SAP Asset Manager  
- Single tier deployment for evaluation purposes  
- iOS or Android phone and tablet support  
- English language  
- Fit-Gap Workshop  
- Configure:  
  - Standard assignment types for Work orders and notifications  
  - Standard filters for master data tables  
  - IW41 confirmations

**M**  
16 – 20 weeks  
Production Pilot  
- Three tier deployment  
- iOS or Android phone and tablet support  
- English language  
- Fit-Gap Workshop  
- Same configuration set as Small  
- Support Integration testing and UAT  
- Support Key User Training  
- Post go-live support

Key Deliverables

- Fit-Gap Workshop
- Configuration of the Cloud Connector
- Deployed and Configured app
In Conclusion

Ipad download on iTunes: https://apps.apple.com/us/app/sap-asset-manager/id1314568950


SAP Mobile Asset Management Roadmap -> https://www.sap.com/registration/protected/default-overlay.html#pdf-asset=2ad3fd64-1d7d-0010-87a3-c30de2ff6ff&page=1

More Webinars on SAP Intelligent Asset Management (IAM) applications coming soon:
- SAP Asset Intelligence Network
- SAP Asset Strategy & Performance Management
- SAP Predictive Maintenance and Service
- SAP Predictive Engineering Insights

Any questions related to this webinar should be sent to engage-iam@sap.com

THANK YOU!
Thank you.

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