

Transform Enterprise Mobility with Apple and SAP

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PUBLIC



Agenda

Mobile Apps

Mobile apps as digital transformation catalysts

Apple and SAP Partnership

What the Apple and SAP partnership represents

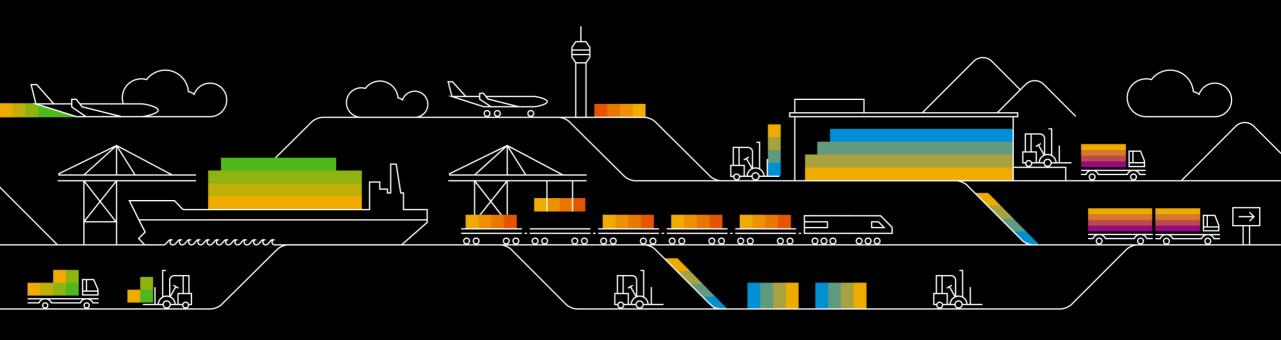
SAP Enterprise Applications for iOS

Next-generation asset-centric mobile solutions

Demo

SAP Asset Manager demonstration

Mobile Apps



The mobile mind shift

"The expectation that I can get what I want in my immediate context and moments of need"

http://blogs.forrester.com/josh_bernoff/14-05-19-why_you_should_read_the_mobile_mind_shift

Mobile moments in the enterprise









Leverage

new



Get notified

by sensors

about a nearly

asset that

needs to be

examined



Get traffic warning, which reorders task

Hand over travel plan to navigation

Get emergency notification to evacuate the service ground

planned visits, and priority Reschedule service visits due to bad weather warning

Automatic

routing based

on traffic.

spare-part proposal for a service (predictive)

Receive

Check weather info before maintaining power lines

Get notification

that a customer in your store requires help

Near Me points of interest, e.g. lunch, coffee. colleagues, assets, ..

Leverage AR for step-bystep guidance

Work

hands-free in

warehouse

repairing or maintaining assets

Work

hands-free

to locate

assets

In-house navigation technologies for service visits (drones)

> Leverage AR to navigate though customer sites

Real-time collaboration with remote

expert

Use

knowledge

base to solve

a service /

maintenance

issue

reminders regarding hygienic regulations

Learn about special risks at customer side and respective regulations

Work safety info for technicians on site for safety and compliance

Monitor own vitals in extreme service scenarios

Automatic time recording based on location and

Pay invoices for business lunch, taxi, hotel, .. and add to

expenses

Create visit

report after

service visit

Leverage sensors to track personal health

Connect to assets while executing a service visit



On the road



While traveling



Special places or sites



In Hotel Room



In meetings



On the road



At customer office

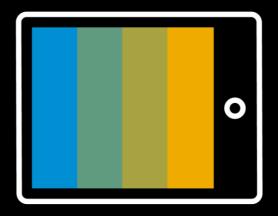


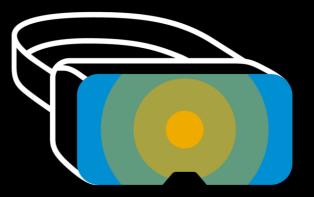
At home

5

Devices







Apple and SAP Partnership



Apple and SAP partnership

"As promised, SAP is delivering real-time enterprise software to iOS devices, transforming core work processes for companies of all sizes with powerful native apps built specifically for iPhone and iPad."

http://news.sap.com/mwc-sap-simplifies-work-empowers-mobile-workforce/

Apple and SAP partnership – key deliverables



Process transformation



SAP Cloud Platform SDK for iOS



SAP Academy for iOS



Enterprise apps for iOS

Apple and SAP partnership – key deliverables



Process transformation



SAP Cloud Platform SDK for iOS

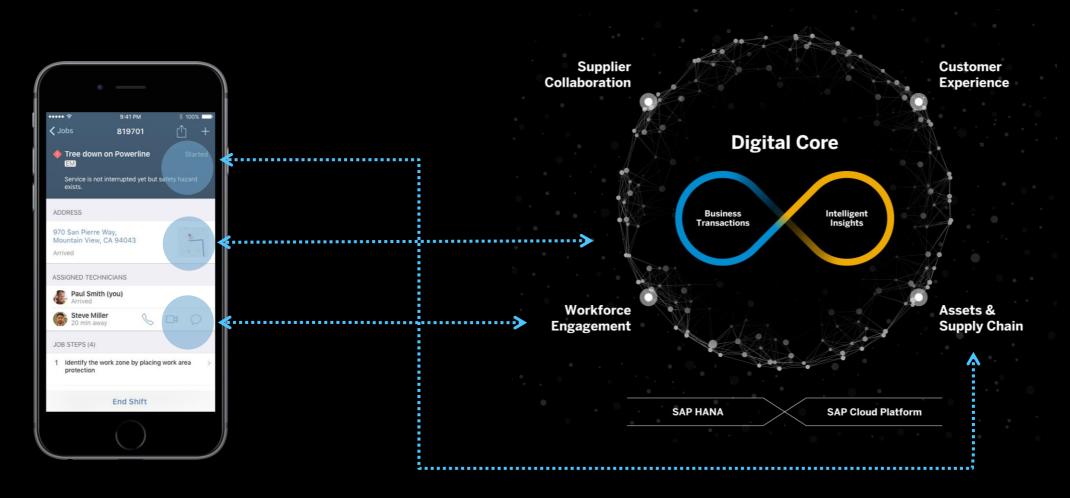


SAP Academy for iOS



Enterprise apps for iOS

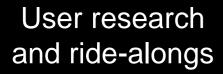
Mobile apps driving digital transformation



- ✓ Native mobile apps help transforming work experience, driving productivity and efficiency
- ✓ Mobile apps can tie together capabilities from multiple enterprise systems (SAP, non SAP)

Transformational apps







New technology adoption



Ideation and visualization



New blueprints and app road maps

Apple and SAP partnership – key deliverables



Process transformation



SAP Cloud Platform SDK for iOS



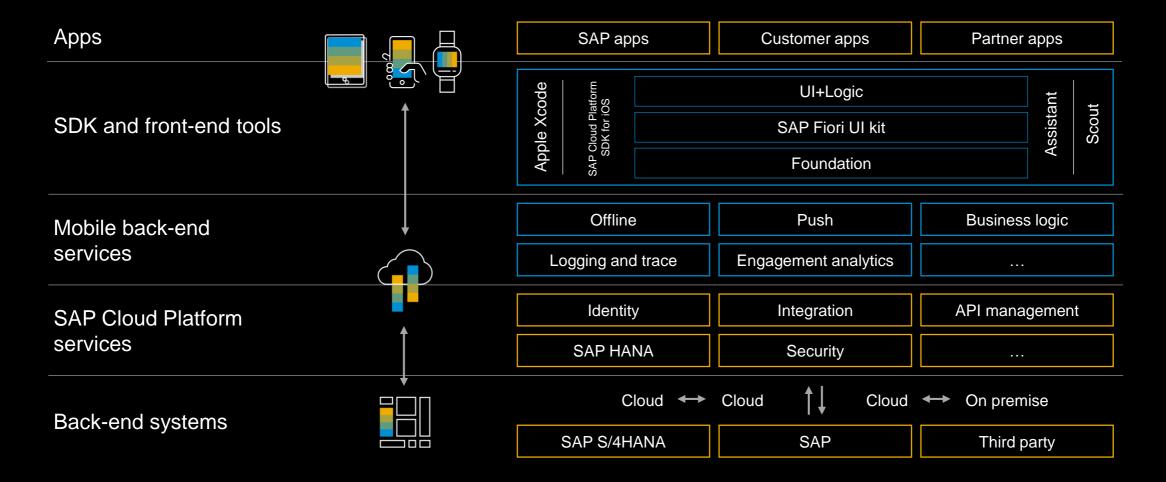
SAP Academy for iOS



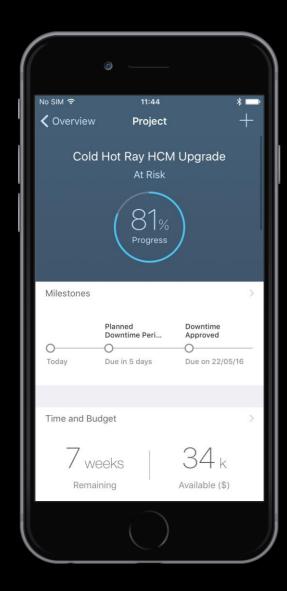
Enterprise apps for iOS

Mobile development with SAP Cloud Platform

Great native UX, developer efficiency, access to enterprise processes



SAP Fiori for iOS design language





- Coherent with familiar iOS controls, patterns, and behavior
- Enhanced with new reusable controls and patterns to meet enterprise requirements
- Makes full use of native capabilities
- Includes design guidelines for a quick and accurate building of iOS apps

https://experience.sap.com/fiori-design/

Characteristics of Native iOS Apps

Decision Criteria for Fiori for Web or Fiori for iOS

The decision to develop an app using Web, Hybrid or native technology always depends on various criteria, for example the use case, the available hardware in a company the development resources. Below is a list of advantage for the both app types

Portable to different hardware	Consistent look and feel to other native apps		
For straight forward use cases	Complex scenarios		
Platform agnostic	Good performance		
Use of various hardware using plug ins	Access to device hardware		
Platform updates need to be made available through	iOS Platform updates immediately available		
Fast development results in fast availability for end-user	Offline mode		
No Installation – click on link	Availability in App Store		
No updates necessary	Updates in App Store		
UI5 development knowledge	iOS, Swift development knowledge		

Apple and SAP partnership – key deliverables



Process transformation



SAP Cloud Platform SDK for iOS



SAP Academy for iOS



Enterprise apps for iOS

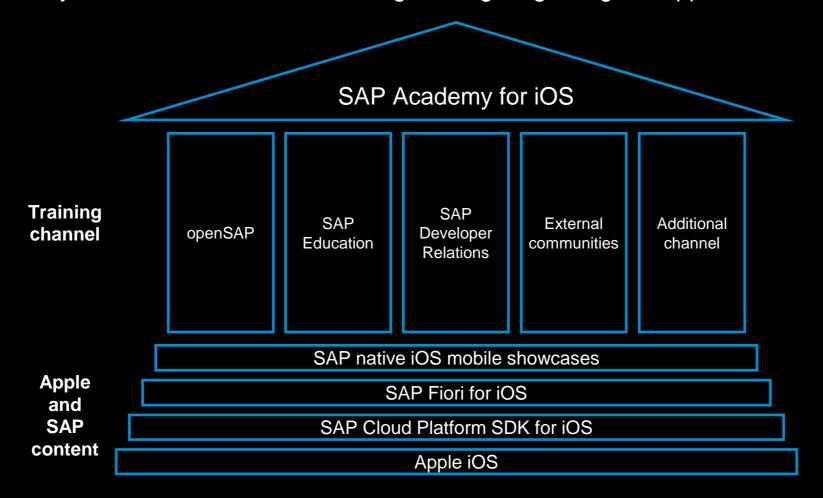
SAP Academy for iOS

2.5M+

developers in the SAP community

SAP Academy for iOS

The SAP Academy for iOS will combine all training offerings regarding the Apple and SAP partnership.



Apple and SAP partnership – key deliverables



Process transformation



SAP Cloud Platform SDK for iOS



SAP Academy for iOS



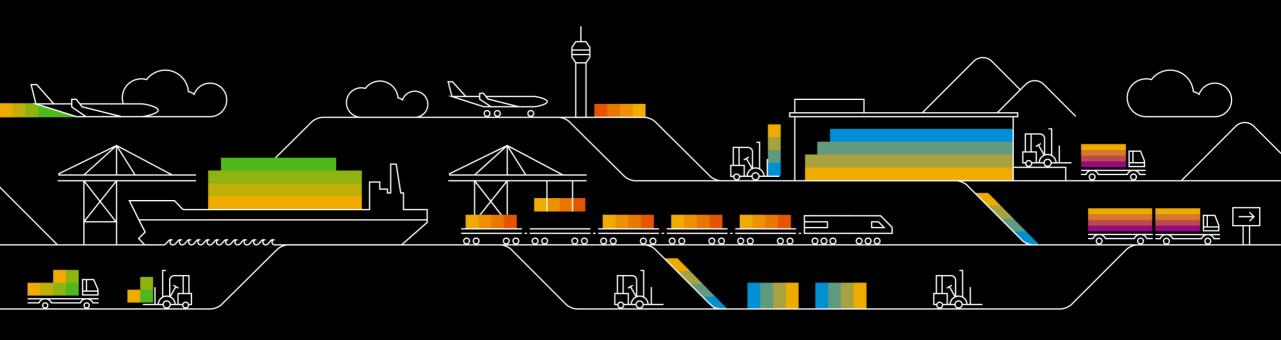
Enterprise apps for iOS

New class of enterprise apps



Transformational apps

Enterprise Apps for iOS



Evolution of the asset-centric mobility portfolio

2015

- Introduce SAP HANA Enterprise Cloud compatibility
- Major feature / function updates (Q4'15)
 - SAP Work Manager (V6.3)
 - SAP Inventory Manager (V4.2)
- Work begins on SAP S/4HANA and SAP Cloud Platform compatibility

2013

 SAP migrates to a single "SAP Mobile Platform" strategy (V2.3)

2012

 SAP acquires Syclo → a strategic acquisition for both platform and application capabilities

2014

- SAP Mobile Platform updated to V3.0
- Significant innovations delivered (Open UI, GIS integration, Visual Enterprise, ...)
- New OS capabilities delivered (iOS, Android, Windows WPF)

2016

- SAP S/4HANA compatibility (Feb '16)
- Major feature / function updates (Q3'16)
 - SAP Work Manager (V6.4)
 - SAP Inventory Manger (V4.3)
- First release of Agentry, cloud edition versions for both SAP Work Manager and SAP Inventory Manager
- Work begins on next-generation apps leveraging SAP Cloud Platform SDK for iOS

Strategic considerations

- Optimizing for SAP S/4HANA and SAP Cloud Platform
- UX modernization and extensibility for new technology
- Next-generation capabilities (such as microservices)
- Technical and commercial migration approach
- Maintenance cross-over and investment protection (esp. in regulated industries)

Long-term strategic road map

	Today	2017	2018	2019	2020	2025
Current generation	 Mature solutions SAP Cloud Platform, SAP HANA Enterprise Cloud, on-premise deployments Supports iOS, Android, and Windows (WPF) OS types Supports SAP Business Suite and SAP S/4HANA 	 Additional rounds management and vehicle stock capability Technical releases: OS updates, bug fixes, 	 Internet of Things (IoT) use cases Support for SAP Geographical Enablement Framework Technical releases: OS updates, bug fixes, 	 SAP EHS, quality management, SAP Work Clearance Management support UX enhancements Technical releases: OS updates, bug fixes, 		าess Suite มฑ maintenance
Next generation	Apple and SAP partnership announced SAP Cloud Platform SDK for iOS SAP Fiori for iOS design language SAP Academy for iOS Next-generation business process enterprise applications	SAP Fiori for iOS 1st release (March '17) SAP Asset Manager 2 releases (June and Dec) SAP S/4HANA only; iOS only SAP Cloud Platform based Initial focus on mobilizing SAP Work Manager (limited feature set)	 SAP Business Suite support (planned, not committed) Android OS support (planned, not committed) 90% feature parity with SAP Work Manager SAP Geographical Enablement Framework integration Next-gen capabilities (such as IoT, AIN) 	 Full feature parity with SAP Work Manager Windows OS support (planned, not committed) Stand-alone applications for distinct use cases (such as <i>Warehouse</i>, <i>Field Ops</i>) (planned, not committed) 		SAP Business \$ sam mainstream ma
			 Inventory and field operations extensions (process flexibility via API services) 		of planning and may be changed by SAP a	at any time

This is the current state of planning and may be changed by SAP at any time

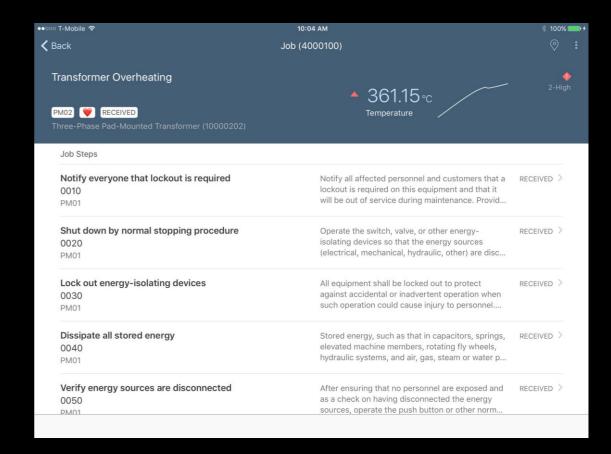
Asset-centric mobile app from SAP

"Mobile applications help improve field worker productivity and customer engagement, by arming them better and more timely information."

Dean Galvez, Snohomish County Public Utility District

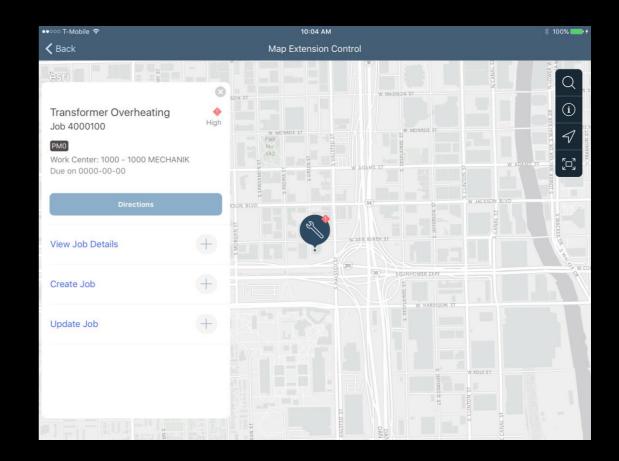
Challenges in asset management

- 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

- Provides timely, relevant, and accurate information such as asset health, inventory, maintenance, and safety checklists
- Enables the worker to be more productive and seamlessly take advantage of the iOS ecosystem
- Provides context-rich visualization and actionable insights
- Enables easy and timely execution of end-to-end asset management on the go
- Full customization framework to add/edit business logic, screens, and branding



SAP Asset Manager Leveraged iOS features

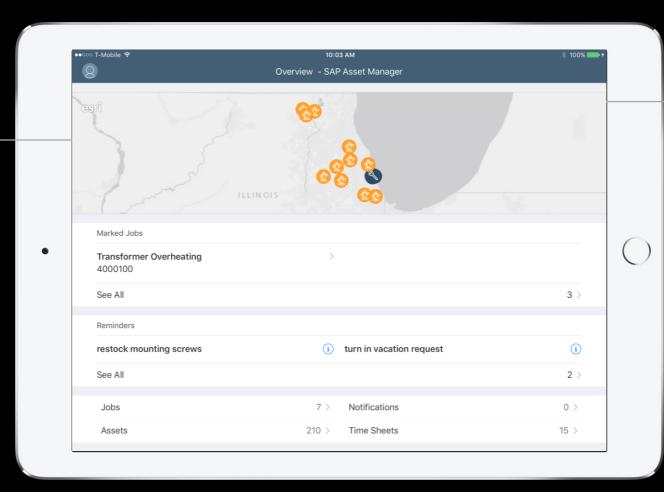
Current

Notifications

Passcode / touch ID

Peek and pop

Custom keyboard



Future

Facetime

iMessages

SAP Asset Manager Product road map overview – key themes and capabilities



Today

See announcement

https://news.sap.com/apple-sap-partner-to-revolutionize-work-on-iphone-ipad/

Planned Innovations

Manage work orders, notifications, and timesheets

SAP Cloud Platform support

SAP S/4HANA on-premise support

SAP Fiori for iOS user interface

Robust offline functionality

Attachment handling

Single sign-on support

ESRI ArcGIS integration

Future Direction

Android and Windows client support

Linear asset management and inspections rounds

SAP Multiresource Scheduling integration

Master data integration

SAP for Utilities solutions (meter management)

enhancements

Push

Vehicle stock

Asset and location hierarchy views

Social integration

Crew reporting

Classification viewing/editing

IoT integration

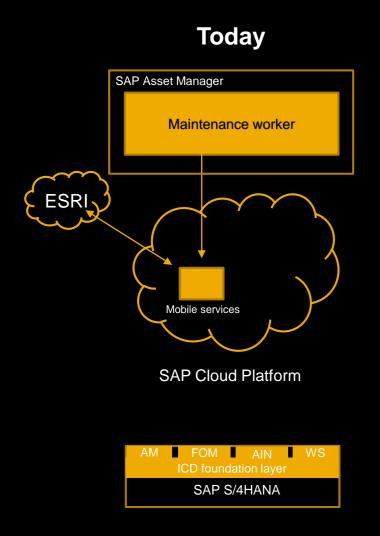
AIN integration

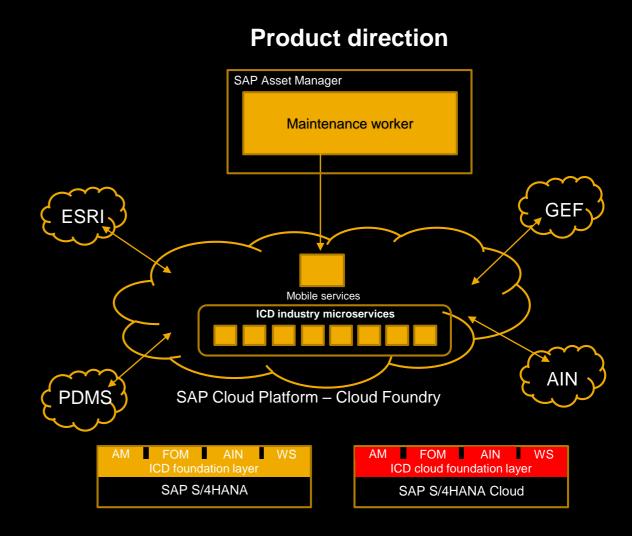
Support for SAP Geographical Enablement

Framework

SAP Asset Manager for SAP S/4HANA

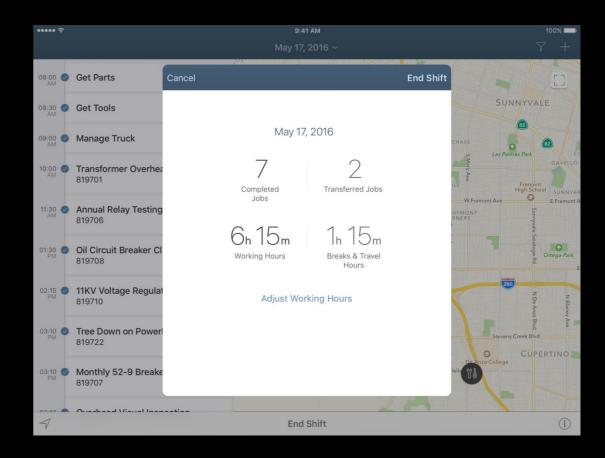
Architecture





SAP Enterprise Application Modeler

- Easy to create and customize apps without writing code
- Ability to tailor complex SAP apps (such as SAP Asset Manager) to business needs
- Aligned with SAP Fiori design principles created with Apple, providing amazing user experiences
- Easy lifecycle management and deployment without reinstalling app
- Online or offline, users get the same mobile experience



Experience SAP Enterprise App Modeler



Features at a glance

No coding

Develop simple to complex mobile applications

Build, extend, and customize with ease

Full customization

Customize SAP Asset Manager in a cloud-based editor

Add custom and SAP Fiori–like look and feel

Customize your already deployed apps instantly

Flexibility

Consume mobile services like offline OData, push notifications, logging, and more

Get full native client support

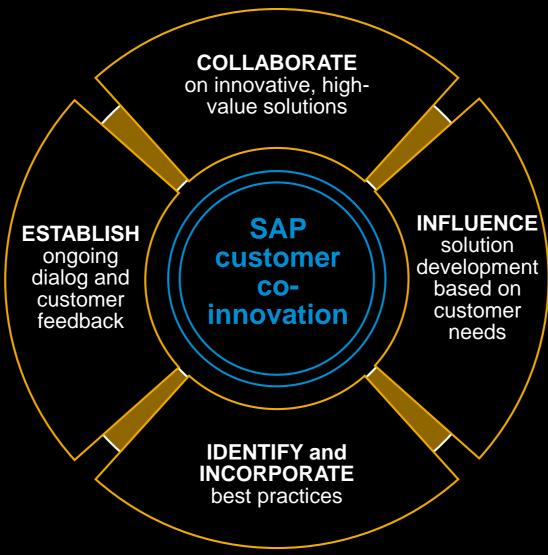
Powerful platform

Built on SAP Cloud Platform

Easily deploy and manage SAP Asset Manager in the cloud

Connect to SAP /4HANA back-end systems

Customer co-innovation



Thank you.

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