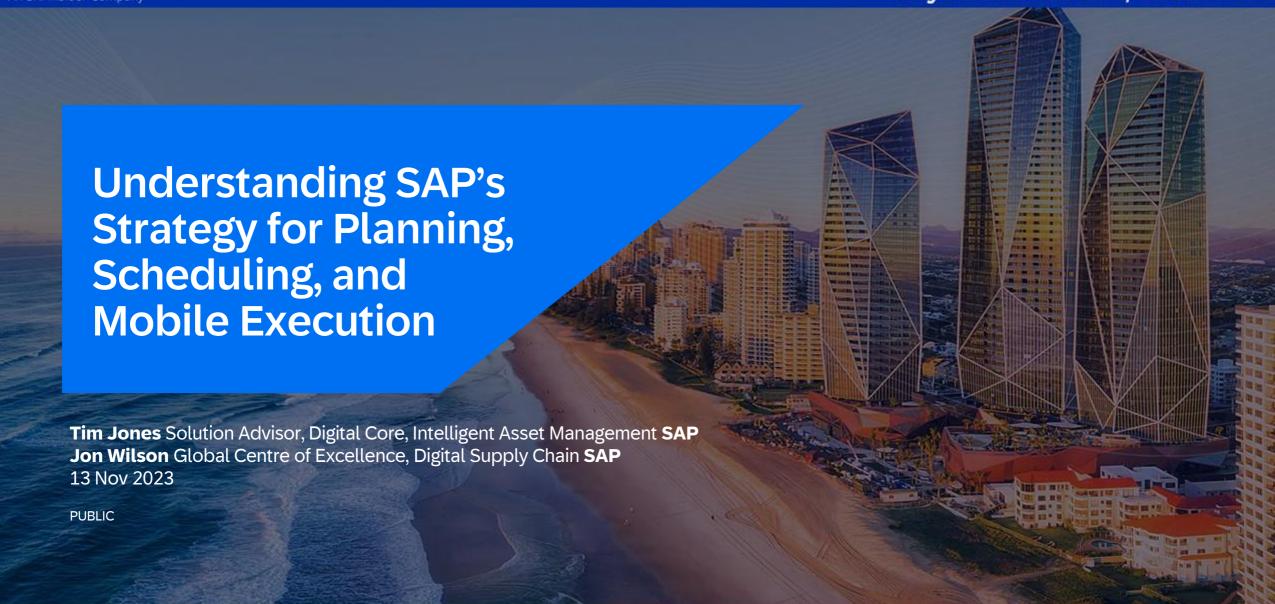
MASTERING SAP

13 - 14 November, 2023 Royal Pines Resort, Gold Coast







What will we cover?

- SAP's strategy for Planning, Scheduling, and Mobile Execution
- Demonstrations of the new capabilities
- Explore the future roadmap for these solutions

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3

Digitally enhanced enterprises need next-generation Asset Management to survive the future



SaaS and cloud migration

38% of asset-intensive industries steadily converting legacy systems to cloud-based EAM



Remote and autonomous tasks

70% of organizations will have operationalized AI architectures due to the rapid maturity of AI



Data-driven decisions

87% of executives agree digital twins are becoming essential From 2021 to 2027, the number of new physical assets and processes that are modeled as digital twins will increase from 5% to 60%,



Innovation accelerators

EAM applications are increasingly integrated with IoT, digital twin, augmented reality, and location-based service



Sustainability - ESG

Millennials are now the largest demographic in the workforce

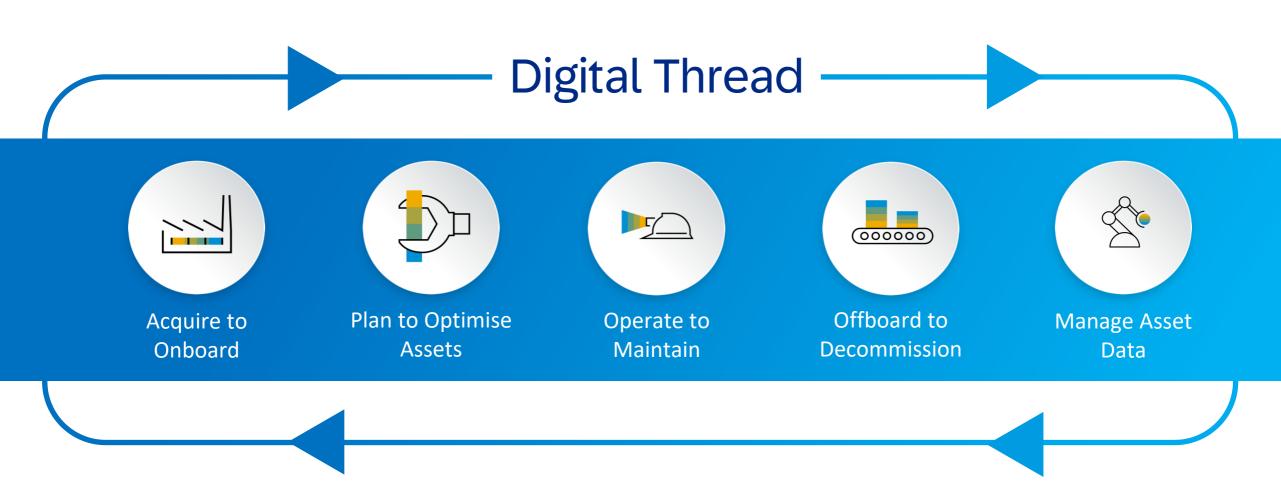


Changing workforce Human-centric mobility

Mobile work solutions are a game changer for maintenance ALMs

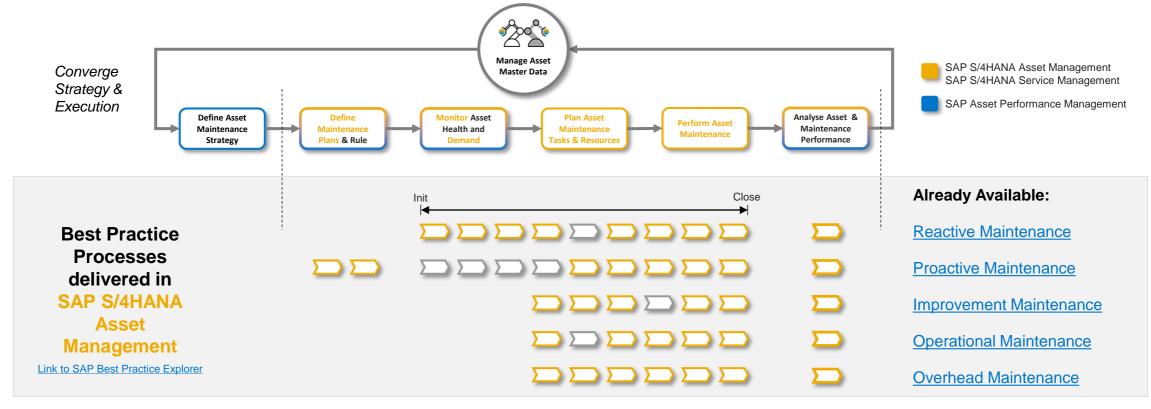
Source: Worldwide Asset Life-Cycle Management Applications Forecast, 2022–2026 IDC Marketscape 2021, 2022: Accenture: Gartner

Deliver Next Generation Processes from Acquire to Decommission



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Standardising Planning, Scheduling and Execution Processes



Planned:

In-House Refurbishment, Refurbishment with Subcontractors, Inspection Rounds, Predictive Maintenance, Collaborative Maintenance and Service

Tailor-made process, and process step oriented, role-specific user interfaces - Fiori based with real time embedded analytics



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SAP Fiori to support the end-to-end process







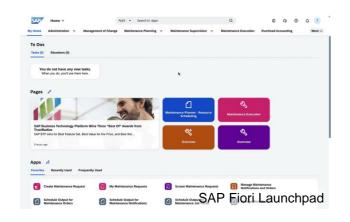
Coherent





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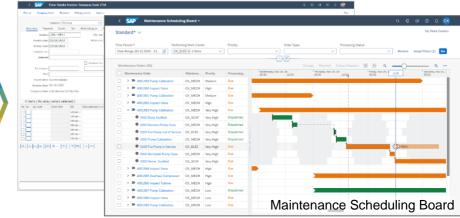
SAP Fiori Launchpad as single point of entry



Domain-specific information and actions



Enter details and explore in depth



Start from an individual home page:

- Role-based spaces and pages
- Customisation via dedicated apps
- First insights with KPI tiles

SAP Fiori Apps Reference Library

Investigate and drill-down from:

- Overview pages (graphical)
- Analytical list pages (hybrid)
- List report / worklist (list)

Carry out transactions:

- Combined in reimagined native SAP Fiori apps
- Based on insights from embedded analytics
- With the SAP Fiori visual theme

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Suite of SAP and Partner solutions to deliver next generation processes



Acquire to Onboard

Acquire and onboard assets in collaboration with entire asset ecosystem

Asset Acquisition

- SAP S/4HANA
- SAP Business Network for Procurement
- SAP S/4HANA for Real Estate Operations

Asset Construction and Build

- SAP S/4HANA
- SAP S/4HANA Enterprise Portfolio and **Project Management**
- SAP S/4HANA Cloud for projects
- · SAP Capital Project Engineering Management by Siemens

Asset Commissioning

- SAP S/4HANA
- SAP Business Network Asset Collaboration
- SAP Extended Enterprise Content Management by OpenText
- Prospecta Master Data Online



Plan to Optimise Assets

Identify the right mix of maintenance activities with real-time monitoring

Asset Strategy and Planning

- SAPS/4HANA
- SAP S/4HANA Enterprise Portfolio and Project Management
- SAP Asset Performance Management
- Copperleaf Portfolio

Asset Maintenance and Optimisation

- SAP S/4HANA
- SAP Asset Performance Management



Operate to Maintain

Plan, schedule, and execute strategies and optimise maintenance maintenance activities in an efficient manner

Asset Maintenance Planning

- SAP S/4HANA
- SAP S/4HANA Asset Management for resource scheduling
- · SAP Business Network Asset Collaboration
- SAP Field Service Management

Asset Maintenance Execution

- SAP S/4HANA
- SAP S/4HANA Spatial Asset Management
- SAP S/4HANA Work Clearance Management
- SAP Business Network Asset Collaboration
- SAP Service and Asset Manager
- TeamViewer Frontline Assist



Offboard to Decommission

Decommission assets in compliance with necessary regulations

Asset Decommissioning and Disposal

- SAP S/4HANA
- SAP S/4HANA for Real Estate Operations
- · SAP S/4HANA Enterprise Portfolio and Project Management



Manage Asset Data

Create and maintain asset master data in a streamlined manner

Asset Information Governance

- SAP S/4HANA
- SAP S/4HANA Management of Change
- SAP Extended Enterprise Content Management by OpenText
- Prospecta Master Data Online
- Nextspace Digital Twin Cloud Platform

Collaborative Asset Lifecycle

- SAP S/4HANA
- SAP Business Network Asset Collaboration
- SAP Field Service Management
- SAP Crowd Service

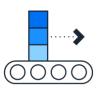
Sustainability Operations

- SAP S/4HANA
- SAP S/4HANA Worker Safety Management
- SAP S/4HANA Environment Management

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Answers the needs of customers who want to visualise and manage the capacity and load on the level of work centers in a first step and optimise their planning and assign the work to the right technician (skills, location, availability) within a work center in a second step



Work Order Preparation, Material Reservations, Buckets



Work Order is assigned to the right Work Center and the right time



Order is Dispatched (skills, location, availability) to Technician



Order executed by Technician or Team

Preparation

S/4HANA

Capacity Leveling

Asset Management for Resource Scheduling



Field Service Management

Order Execution

Mobile

Planning Buckets

Events

Material Availability

Procurement

Lean Services

Work Center Capacity Leveling

Build relationships between order operations

Schedule simulations and check the capacity forecast

Collaboration on and Feedback for

Schedules

Freeze a schedule to create a snapshot and

track attainment

Resource, Skills & Shift

Management

Team & Crew configuration

Absence management

Tool management

Optimise schedule and resource assignment

Teams & Technician

Dispatch

Track Execution and react to schedule

changes

(Optional:

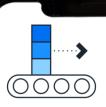
Crowdsourced Service / Engagement with 3rd Party Workforce) Technician or Crew performs the Work Order

Reports back time Spare parts Checklists Follow-on Notifications

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Answers the needs of customers who want to visualise and manage the capacity and load on the level of work centers in a first step and optimise their planning and assign the work to the right technician (skills, location, availability) within a work center in a second step



Work Order Preparation, Material Reservations, Buckets



S/4HANA

Planning Buckets

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Capacity Leveling

Asset Management for Resource Scheduling

Center Capacity Leveling

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People Dispatching

Field Service Management

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Crowdsourced Service / Engagement with 3rd Party Workforce) Order Execution

Mobile

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Follow-on Notifications

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SAP S/4HANA Asset Management

Preparation & Maintenance Backlog



Maintain asset and equipment master data for operations including configurations; maintenance policies, task lists, equipment characteristics, and geo-spatial data



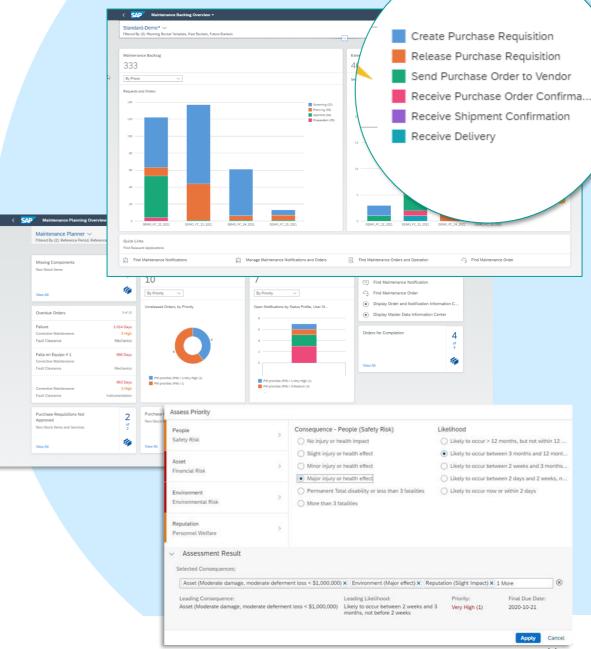
Manage maintenance and service backlog of all types including pro-active and re-active demand, inspections and project based installations and overhauls



Build work package to plan activities in detail, including time, material, tools, safety permits and documentation

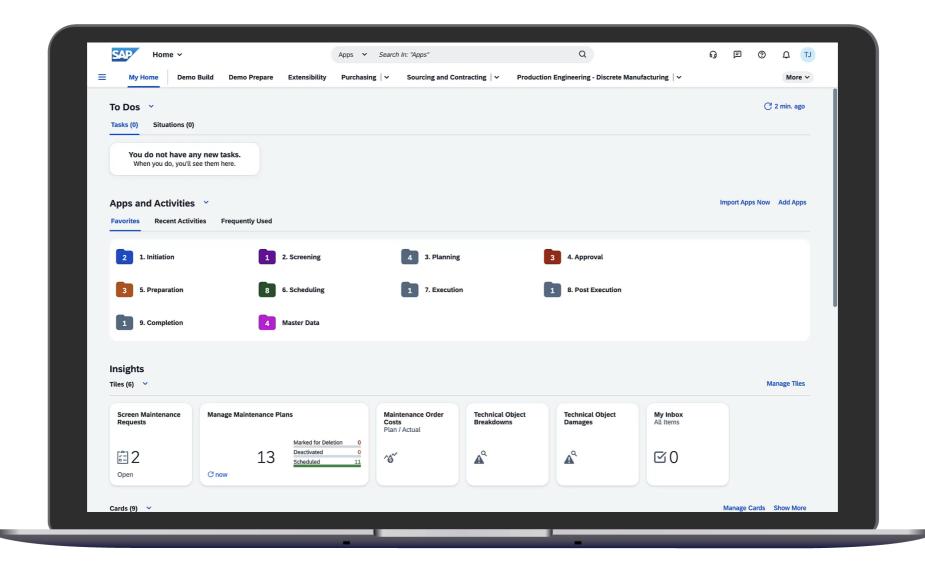


Orchestrate fulfillment with optimized coordination between procurement, manufacturing, supply chain and other logistic support teams



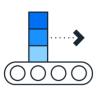
SAP S/4HANA Asset Management

Planning Buckets & Maintenance Backlog





Answers the needs of customers who want to visualise and manage the capacity and load on the level of work centers in a first step and optimise their planning and assign the work to the right technician (skills, location, availability) within a work center in a second step



Work Order Preparation, Material Reservations, **Buckets**



S/4HANA

Planning Buckets

Events

Material **Availability**

Procurement

Lean Services



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Asset Management for Resource Scheduling

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Tool management

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(Optional:

Crowdsourced Service / Engagement with 3rd Party Workforce)

Order Execution

Mobile

Technician or Crew performs the Work Order

Reports back time Spare parts Checklists

Follow-on Notifications

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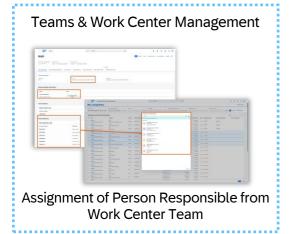
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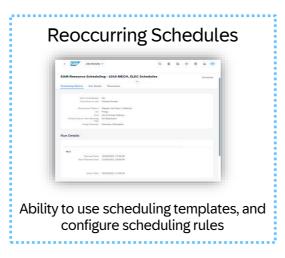
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SAP S/4HANA Asset Management for Resource Scheduling

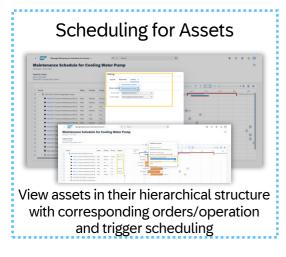
Enablers for Capacity Planning

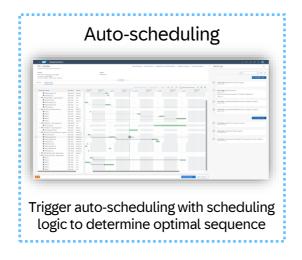












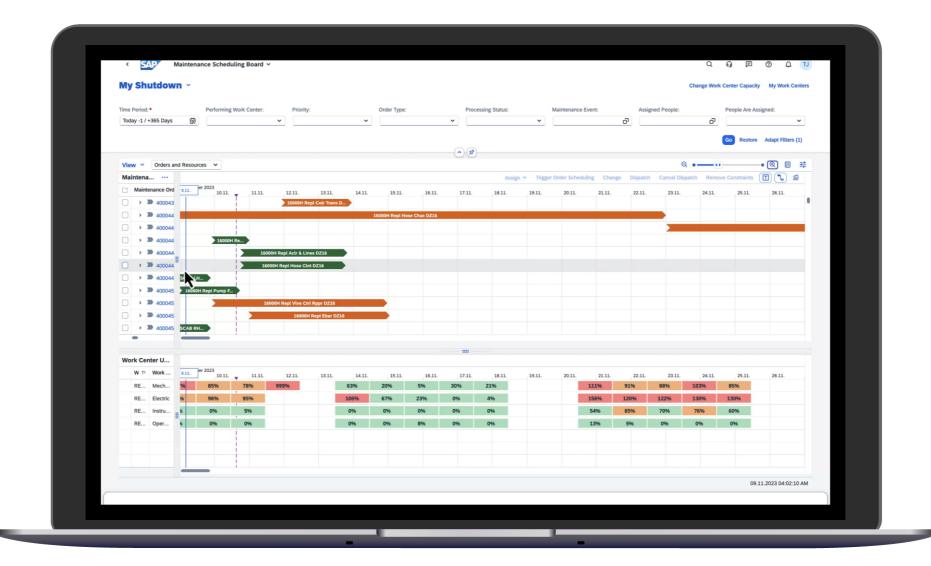




Maintenance Backlog Card and External Procurement Card

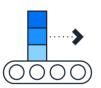
SAP S/4HANA Asset Management for Resource Scheduling

Capacity Planning & Flow of Work





Answers the needs of customers who want to visualise and manage the capacity and load on the level of work centers in a first step and optimise their planning and assign the work to the right technician (skills, location, availability) within a work center in a second step



Work Order Preparation, Material Reservations, **Buckets**



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Order executed by Technician or Team

Order Execution

Mobile

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orts back time e parts lists

on Notifications

SAP Field Service Management

Optimise resource assignments for efficient execution



Optimise work and resource schedules using advanced rules, automatic routing and scheduling



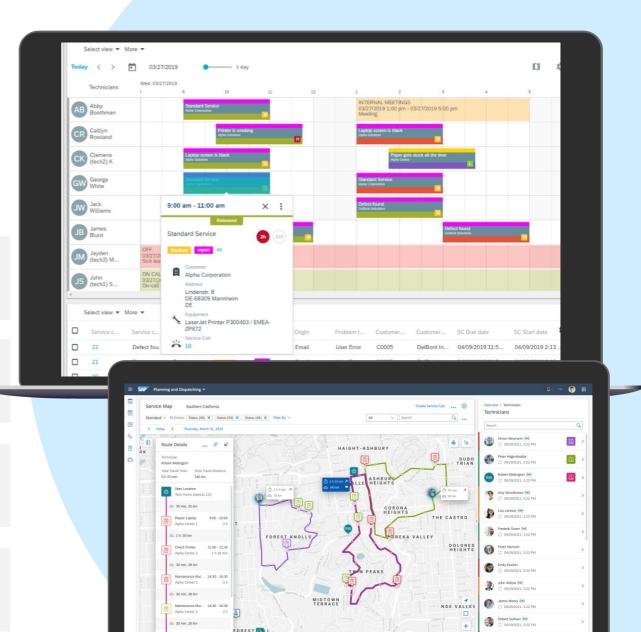
Dispatch in real time to optimally match work to technician availability and skills



Monitor schedule compliance metrics of planned vs actual work completed

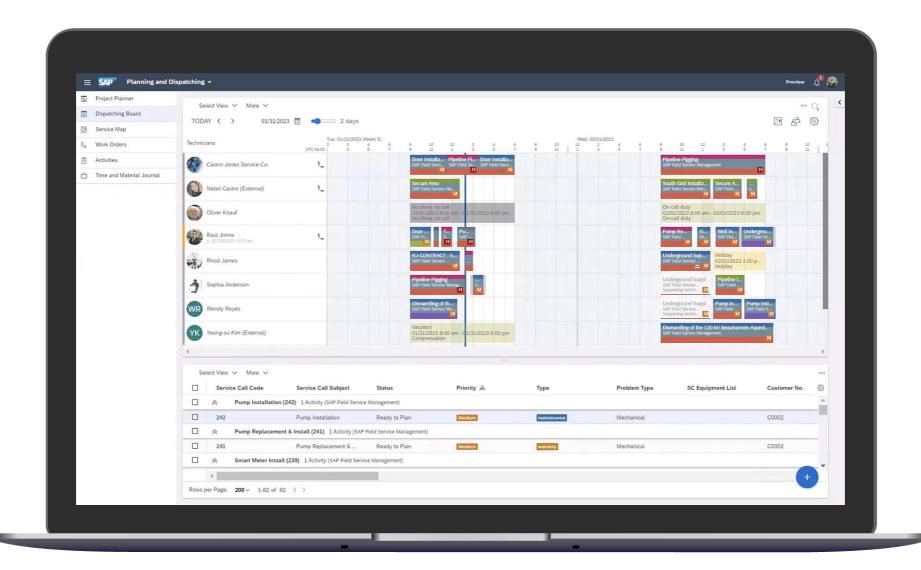


Intelligently source and manage third party resources through Crowd Sourcing and Partner Collaboration



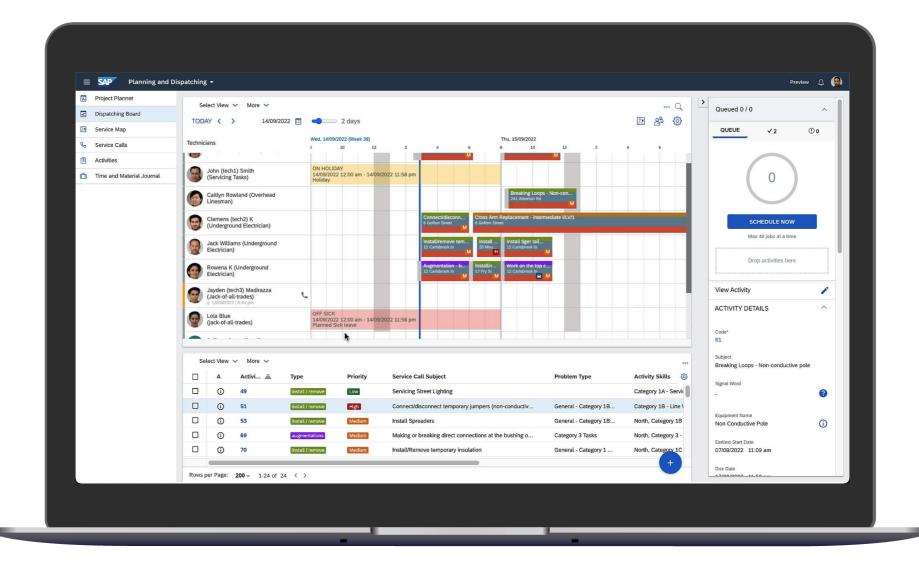
SAP Field Service Management

Optimise resource for efficient execution – real time scheduling



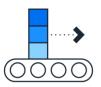
SAP Field Service Management

Reacting to Schedule Changes





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Order Execution

Mobile

Technician or Crew performs the Work Order

Reports back time Spare parts Checklists Follow-on Notifications

20

SAP Service and Asset Manager

Offline capable Order Execution



Eliminate paperwork while reducing downtime and maintenance and service backlog



Capture and integrate asset performance data between mobile and back-end systems at the "point of performance"



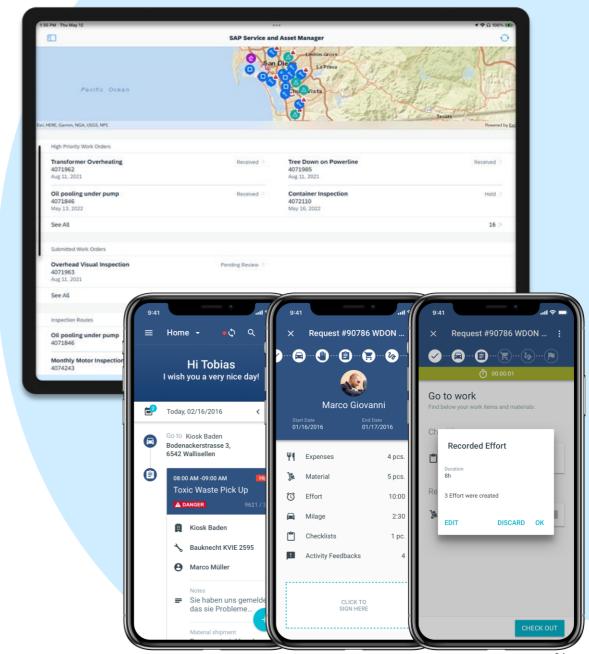
Provide asset intelligence, failure modes, work instructions, history and IoT sensor data to enable proactive fault diagnosis and prescriptive maintenance



Manage existing work and asset data whether you're online, offline, or occasionally connected



Timely, relevant, and accurate information for current inventory levels of spare parts even when supply chains are disrupted



SAP Service and Asset Manager

Persona-driven efficiency









Maintenance Technician

Evecutes preactive and

Executes proactive and reactive maintenance activities on plant assets

Inventory Clerk

Manages parts and materials used in the maintenance or service execution process

Service Technician

Executes service orders for customers at different locations

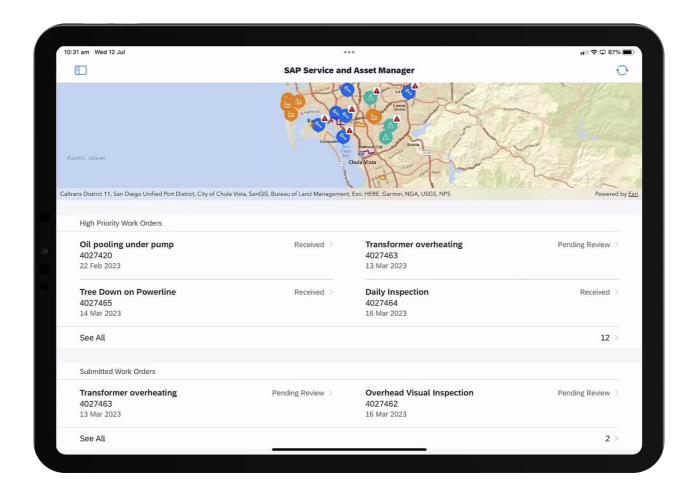
NEW!* Safety Engineer Isolates equipment to create a

solates equipment to create a safe zone for maintenance activities

*Supported with 2305 release of SAP Service and Asset Manager.

SAP Mobile Asset Management

Offline capable Order Execution



What are the key takeaways?

- SAP continues to make significant investments into our Service and Asset Management portfolio
- Some capabilities are only available in S/4HANA
- Cloud deployment supports more rapid adoption of innovation

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Thank you.



D

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