

SAP S/4 Asset Management

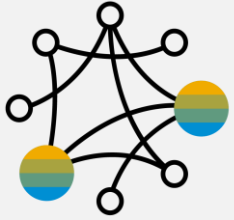


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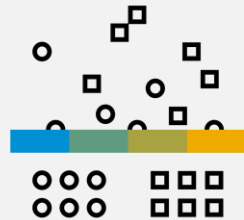
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Technology Enablers Changing Asset Management



The Internet of Things

Provide sensor-enabled condition monitoring for real-time insights and new value-added services.



Big Data and analytics

Enable real-time analysis of data streaming from assets that are getting smarter and can communicate status and performance data.



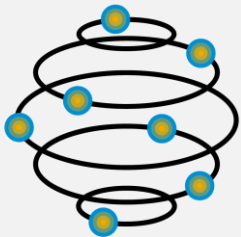
Cloud computing

Reduce IT operations and maintenance effort while providing scalability to support changing business needs and growth.



Mobile solutions

Provide workers in the field with easy access to necessary information they would otherwise need to access in the office.



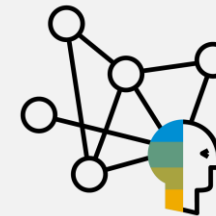
Augmented reality and virtual reality

Provide unmatched situational awareness and enhanced perception for better decision-making.



Artificial intelligence and machine learning

Bring unprecedented insights and automation of knowledge work across the enterprise.



Business networks

Simplify collaboration and sharing of information among asset management stakeholders and their equipment and service providers.



Real-time engineering simulation

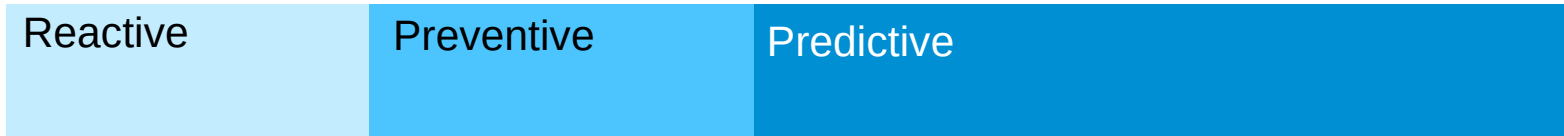
Use physics-based digital twins for predictive engineering analysis in product development and operations

Technology is changing our approach to maintenance

*Use of Maintenance Strategy – **Today**



*Use of Maintenance Strategy – **Future**



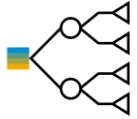
Although still relevant, **preventive** maintenance can result in over-maintaining assets and higher costs

The Internet of Things is leading to increased use of **predictive** maintenance

The goal is to enable more **IT driven** (data science & rules driven) approaches to predictive maintenance in order to reduce unplanned failures and the number of overall maintenance actions

*Proportion of maintenance strategies are for illustration purposes only and will vary based on many factors

SAP Enterprise Asset Management Portfolio – Business Capabilities



State-of-the-art business processes

Leverage new technologies to enable new asset management business processes anywhere and anytime.



Real-time insights

Bring together information from operational and business systems using IoT for scalable transparency



Risk-based asset strategies

Adopt risk based approach to determine critical assets driving optimal asset strategies



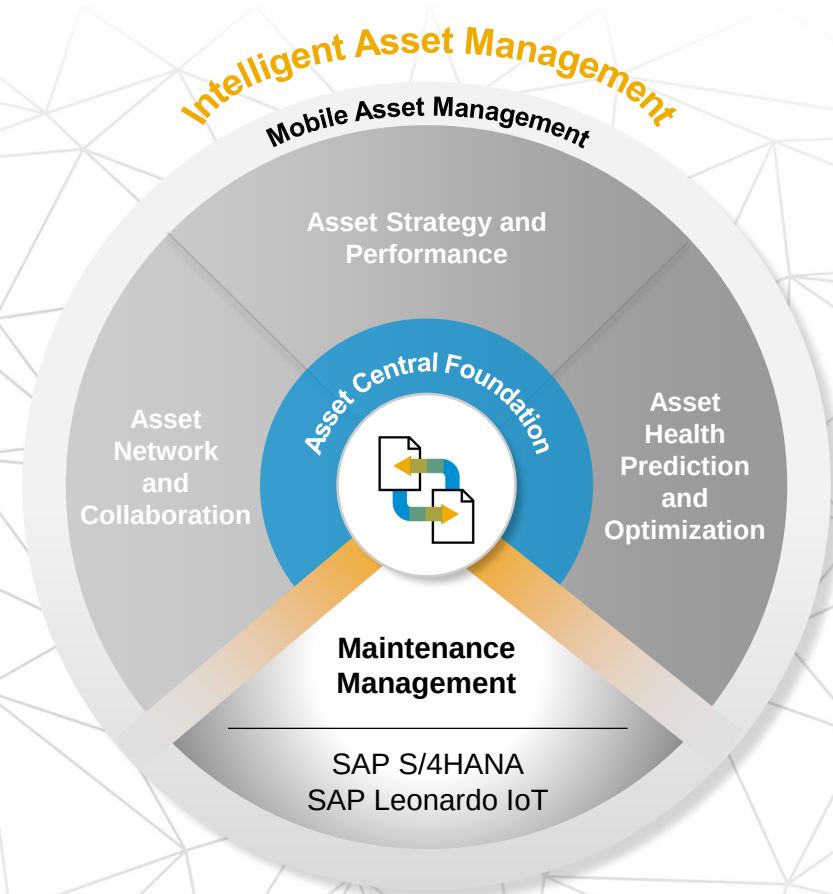
The power of prediction, optimization and simulation

Drive smarter decisions, improve reliability, and reduce outages



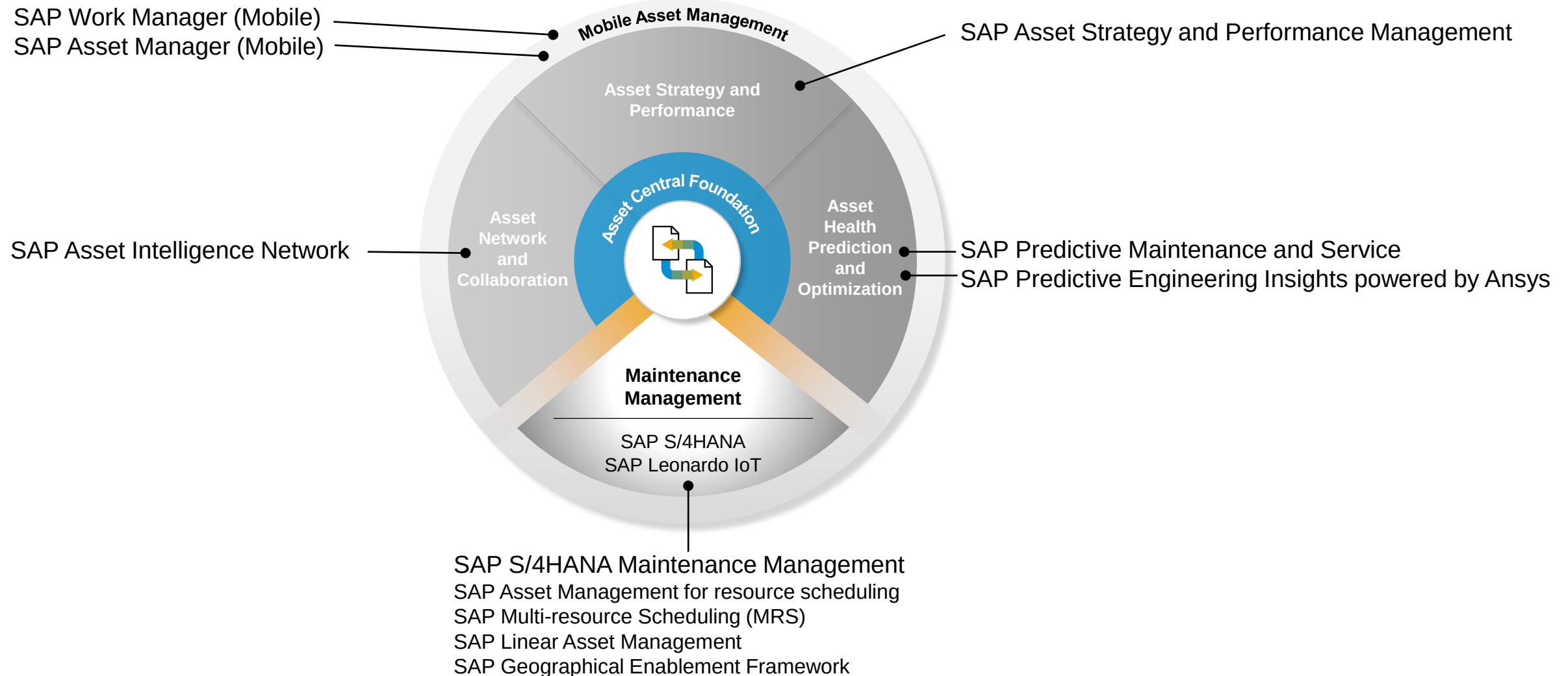
Collaboration throughout the asset lifecycle

Share asset information, access one version of the truth, and collaborate on a cloud-based business network with integrated processes



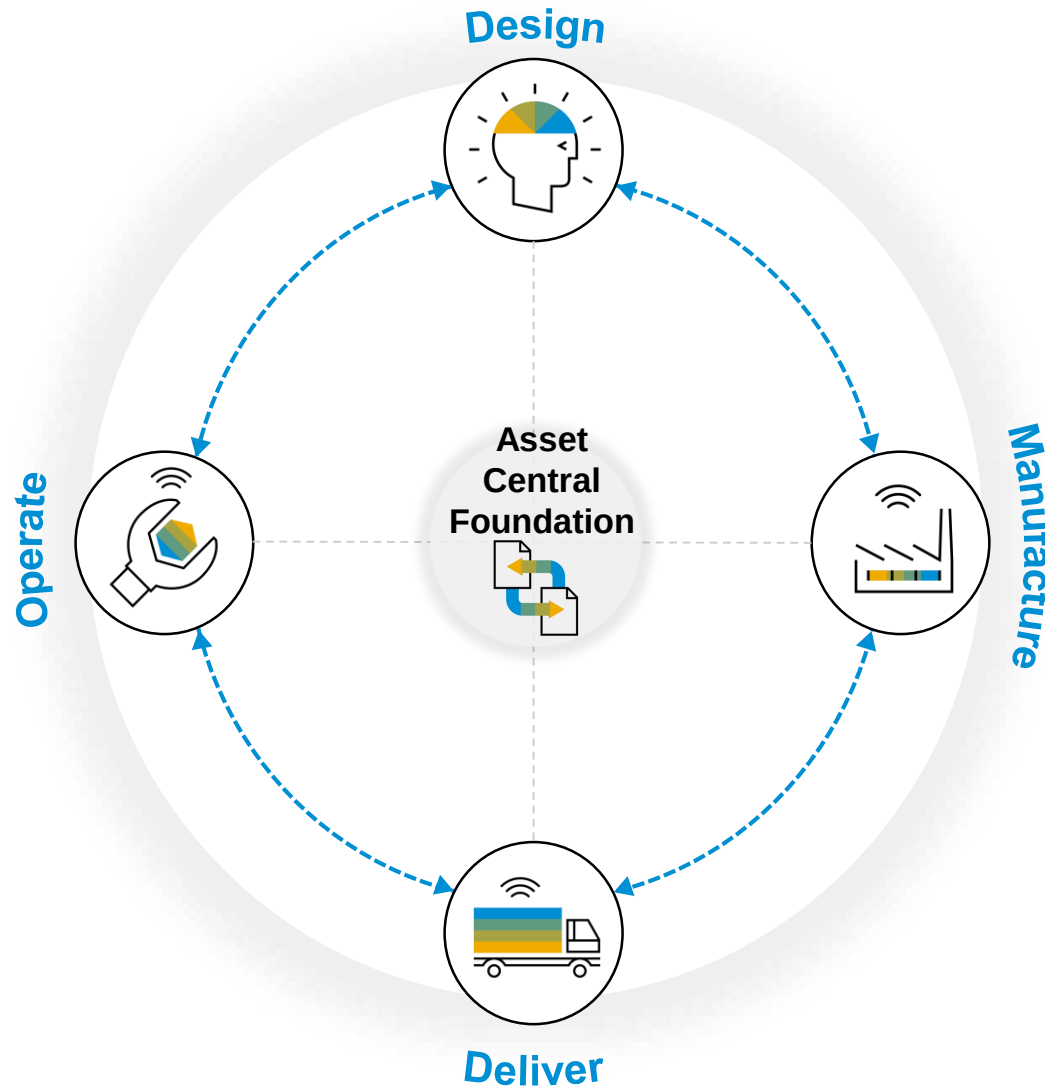
SAP Enterprise Asset Management Portfolio

A product portfolio on premise and cloud delivers end-to-end business value with collaboration, automation and integration.

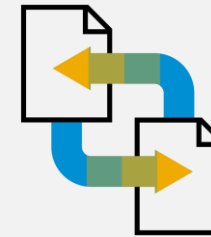


Intelligent Asset Management

Asset Central Foundation as One Common Data Set: Design to Operate



Asset Central Foundation One Common Data Set



Connect to Assets

Asset Central Foundation:
SAP's **digital twin** for physical
assets, is the foundation layer
across the SAP portfolio.

SAP S/4HANA Asset Management

Maintenance Management



Plan maintenance activities with the right person providing the appropriate tools and resources



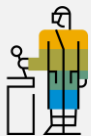
Schedule maintenance tasks



Execute planned and unplanned maintenance tasks to help ensure optimal operations



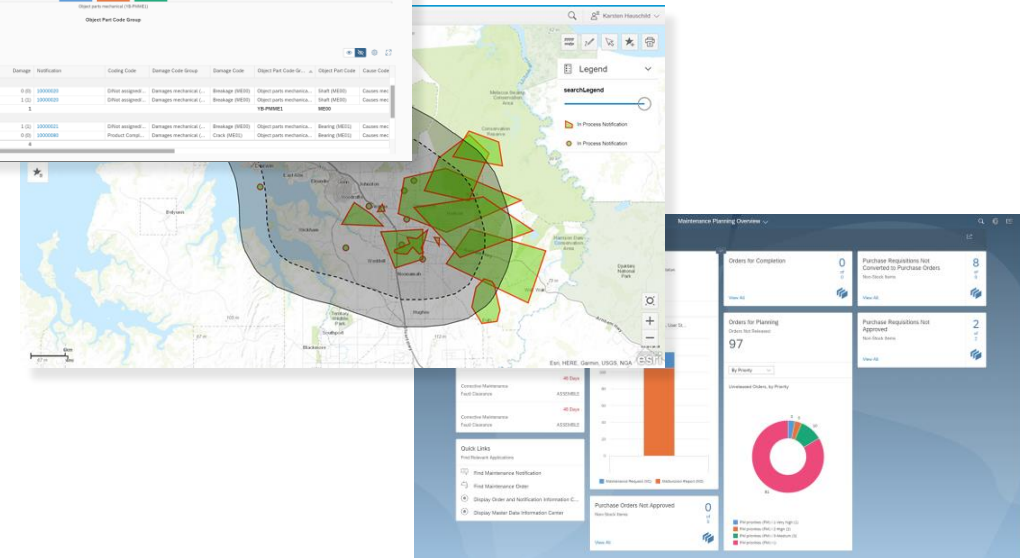
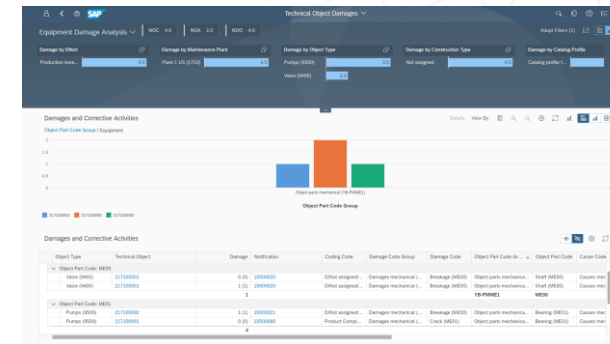
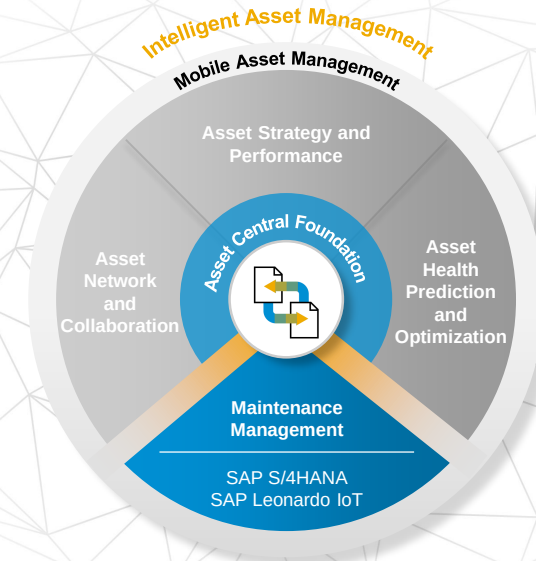
Manage preventive and condition-based maintenance



Increase equipment reliability and improve asset usage as well as safer maintenance processes



Manage asset information for work orders, maintenance, measurements, inspections, metering, and inventory



SAP S/4 HANA Maintenance Management

At a glance

Single entry point: Fiori Launchpad

- Overview and Object Pages: user work lists, trigger quick actions

High performance process

- Maximized throughput, native integration

Powerful search capabilities

- Full text search, navigation and results across multiple systems

Real-time embedded analytics

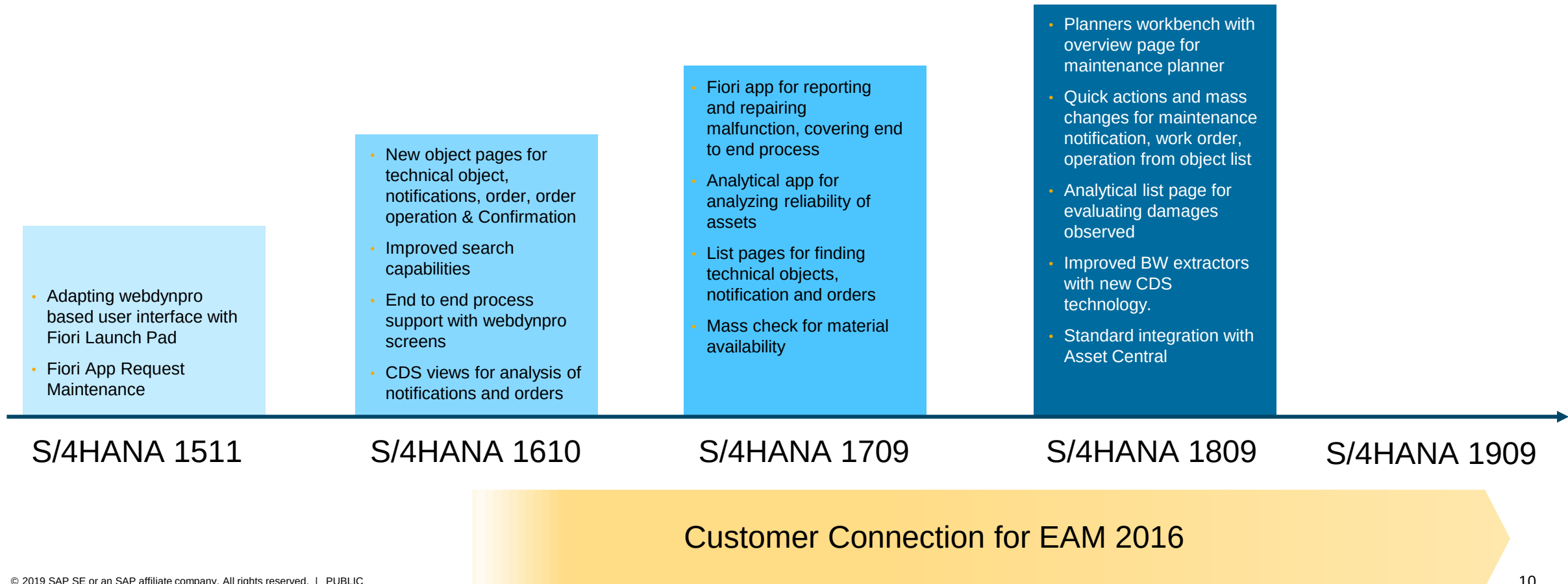
- Applications with insights to action: damage, location and work order analysis

Dedicated scheduling application

- Resource scheduling on S/4 HANA

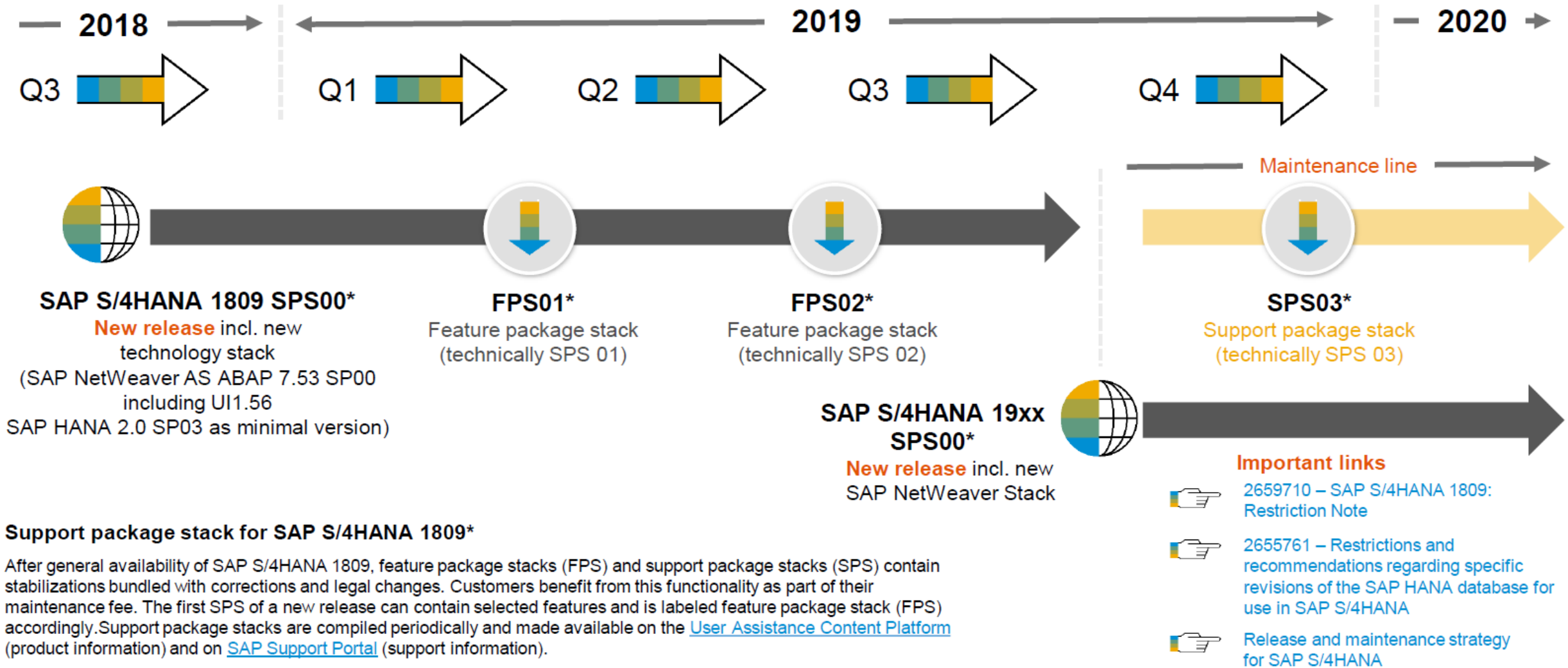


SAP S/4HANA Maintenance Management



SAP S/4HANA

Release strategy for 2018/2019 and definition of deliveries



* This is the current state of planning and may be changed by SAP at any time without notice.

Fiori App Types

Overview Page

aggregates domain-specific information and offers quick actions

List Reports

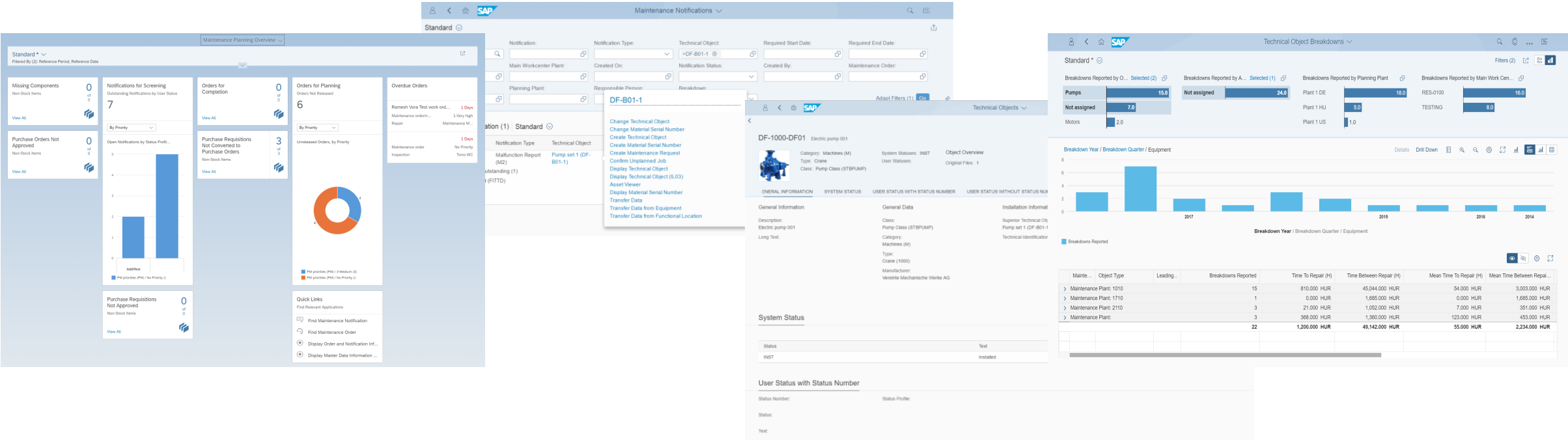
allow users to filter and work with large amounts of data

Object Page

shows all facets of one business object

Analytical List Page

Visual filters and view switch between chart types



Navigating from Launchpad to Apps

Options for the casual or expert user

SINGLE ENTRY POINT

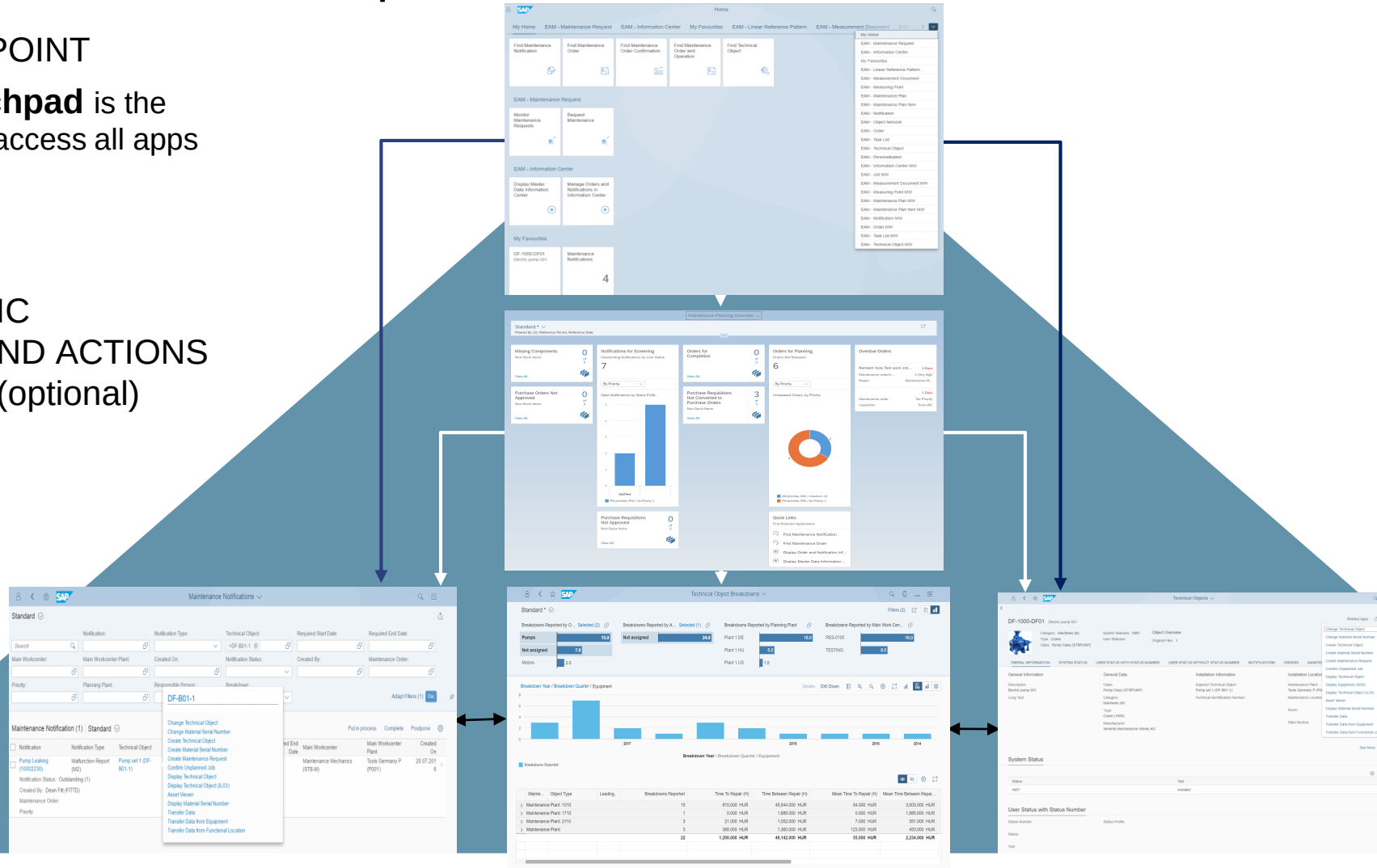
- **SAP Fiori Launchpad** is the single entry point to access all apps

DOMAIN-SPECIFIC INFORMATION AND ACTIONS

Overview Pages (optional)

ENTER DETAILS & EXPLORE IN DEPTH

Fiori Apps, Classic Apps



SAP S/4HANA Search

SAP HANA enterprise search in SAP Fiori Launchpad

SAP HANA enterprise search is a powerful search solution that provides **full-text search, navigation**, and access to **structured** and **unstructured** information across multiple systems.

Key capabilities

- **Full-text search** for business **objects and documents**
- **Results ranking** along business criteria, e.g. user's organizational context
- Access to information **across multiple systems**
- Direct **navigation into source systems/transactions**
- Integrated support for SAP **authorization concepts**

Benefits

- Efficient **information access** and **user-centric** discovery through a simple user interface
- Take advantage of **real-time data** for decision making
- **No additional costs** or 3rd party systems

The screenshot displays the SAP Fiori Launchpad search interface. The top navigation bar includes the SAP logo, a search icon, and a search bar with the text 'pump'. Below the navigation bar, the search results are displayed in a list format. The left sidebar shows a 'Search In' section with a list of search criteria and their corresponding counts. The main content area shows the search results for 'pump', with a total of 3,633 results. The results are displayed in a list format, with each result showing the object name, description, and various attributes.

Search In	Count
All	3,633
All Objects	371
All Objects	1,801
All Objects	1,720
Billing Documents	166
Cost Center Groups	2
Cost Centers	38
Credit Memo Requests	14
Customer Returns	52
Customers	30
Document Info Record Struct...	1
Document Info Record Struct...	1
Document Info Records	16
EAM Objects	1,613
Equipment	659
Functional Location	583
Internal Orders	2
Maintenance Object List	4
Material BOM	13
Material Documents	21
Network Activities	540
Physical Inventory	1
Process Orders	5
Product Item Variants	2
Production Orders	499
Production Routings	5
Profit Center	3
Purchase Contracts	1
Purchase Orders	77

Results (3,633)

- 10000001423/ DRW/ 00/ 000** Document Info Record
 - Document Description: **Pump**
 - Document Status: WR - Work Request
 - Created On: 21.07.2016 10:49:22
 - Created By: Dean Fitt
 - Change Number: -
 - Authorization Group: -
 - Laboratory/Design office: -
 - Person Responsible: Dean Fitt
 - Changed By: Dean Fitt
 - Changed On: 21.07.2016 14:06:31
 - Created in CAD: No
 - Deletion Indicator: No
- Invoice 90008052** Billing Document
 - Payer: C0025 - Tools Inc. South Am...
 - Billing Date: 01.01.2014
 - Overall Billing Status: -
 - Net Value: 157,250,00 BRL
- Pump 16111** Cost Center
 - Company Code: RE01 - REOG 2016
 - User Responsible: -
 - Valid from: 01.01.2013
 - Valid to: 31.12.9999
- Pump H1611** Cost Center Group
 - Controlling Area: REOG 2016 RE00
 - Created by: TESTER_WDF09
 - Created on: 20.04.2016
 - Representative Cost Center: -
- 10003010** Maintenance Notification
 - Description: **Pump** clogged
 - Notification type Description: Activity Report
 - Priority Text: -
 - Maintenance Plant: P001
- A PUMP 1 Exchange Pump** Maintenance Task List
 - Functional Location: -
 - Planner Group: 2
 - Maintenance Planning Plant: P001
 - Equipment: -
- R-F100 Pump** Material
 - Material Type: Finished Product
 - Material Group: 03 - **Pumps**
 - Material Category: Product
 - Base Unit: Piece
- 5300009050** Purchasing Info Record
 - Supplier: 769 - Hammer & Nagel
 - Material: R-F100 - **Pump**
 - Supplier Material Number: -
 - Regular Supplier: No

SAP S/4HANA Search

SAP HANA enterprise search in SAP Fiori Launchpad

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Benefits

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- Take advantage of **real-time data** for decision making
- **No additional costs** or 3rd party systems

The screenshot displays the SAP Fiori Launchpad search interface. The top navigation bar includes the SAP logo, a search icon, and a search bar with the text 'Equipment' and 'pump'. Below the navigation bar, the search results are displayed in a list view. The left sidebar contains filters for 'Search In' (All, Equipment 217), 'Filter By' (Manufacturer, pie chart), 'Type of Technical Object' (1000 213, GENERATOR 5, PUMP 4, VESSEL 4), and 'Category' (M 213, E 2, A 2). The main content area shows a list of results (217) for 'Equipment'. The first result is 'AK-1000-AK02 Equipment' with details: Equipment Description: Electric pump 001, Category: M, ABC Indicator: A, Maintenance Planning Plant: P001, Planner Group: 010, Maintenance Work Center: STB-E, Maintenance Plant: P001, Location: L001, Location Sort Field: AAA, Equipment: AK-1000-AK02, Long Text: -, Category Description: Machines, Functional Location Text: Pump set 1, Superord. Equi. Description: Electric pump 001. Below the first result are links: Asset Viewer, Change Material Serial Number, Change Technical Object, Confirm Unplanned Job. The second result is 'AK-1000-AK01 Equipment' with details: Equipment Description: Electric pump 001, Category: M, ABC Indicator: A, Maintenance Planning Plant: P001. The third result is 'AK-1000-CF01 Equipment' with details: Equipment Description: ...Pump SpecPumps XY330, Category: M, ABC Indicator: -, Maintenance Planning Plant: P001. The fourth result is 'AK-1000-AK03 Equipment' with details: Equipment Description: Electric pump 001, Category: M, ABC Indicator: A, Maintenance Planning Plant: P001. The fifth result is 'AK-1000-N001 Equipment' with details: Equipment Description: Electric pump 001, Category: M, ABC Indicator: A, Maintenance Planning Plant: P001. The sixth result is 'AK-1000-N002 Equipment' with details: Equipment Description: Electric pump 002, Category: M, ABC Indicator: -, Maintenance Planning Plant: P001. The seventh result is 'AK-2000-N002 Equipment' with details: Equipment Description: Electric pump 001, Category: M, ABC Indicator: A, Maintenance Planning Plant: P001.

[illegible]

- Number of breakdown
- MTTR
- MTBR

- Object Type
- ABC Indicator
- Work Center
-

Real-Time Maintenance Plan Scheduling

Transaction: IP30H



Increase

asset utilization and
reduce unplanned asset
downtime



Maximize

asset availability



Up-to-Date

scheduling information
on maintenance
operations

ERP

- Maintenance scheduling consumes a great deal of time

- Manual and error-prone process of pre-selection of maintenance plans
- Potentially missing necessary objects for maintenance calls

- High number of maintenance plans which need to be scheduled frequently

With S/4 HANA

- Accelerated mass transaction IP30H
- Instant analysis on top of transactions

- Pre-selection of due plans speeds up the process significantly
- Real-time analytics on all data including machine sensor information
- Schedule all maintenance plans within a specific timeframe

- Planning several times a day (instead of once a week) results in up-to-date scheduling information in maintenance operations
- Faster response times leads to more accurate maintenance scheduling

KPI improvements are high-level estimates, and will have to be validated for each customer situation

Mass Schedule Maintenance Plans

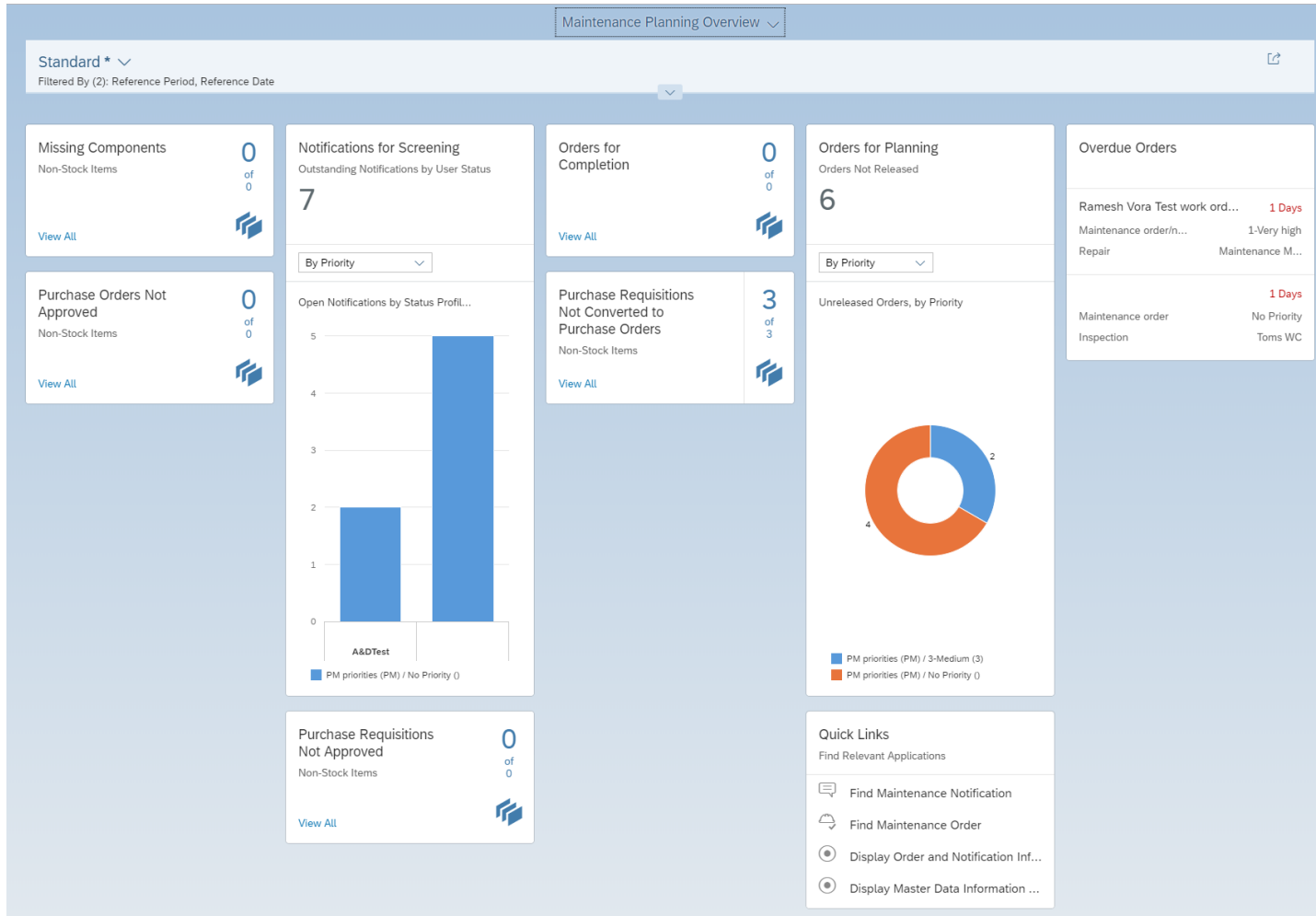
- New mass transaction IP30H
- Instant analysis on top of transactions

- Pre-selection of due plans speeds up the process significantly
- Real-time analytics
- Schedule all maintenance plans within a specific timeframe

- Planning several times a day (instead of once a week) results in up-to-date scheduling information in maintenance operations
- Faster response times leads to more accurate maintenance scheduling

The screenshot displays the SAP 'Mass Schedule Maintenance Plans' transaction interface. The top bar includes the SAP logo and a 'New Job' dropdown. The main title 'Mass Schedule Maintenance Plans' is on the left, and a 'New' button is on the right. The interface is divided into several sections: 'General Information' with fields for 'Job Template' (set to 'Mass Schedule Maintenance Plans') and 'Job Name' (also 'Mass Schedule Maintenance Plans'); 'Scheduling Options' with a checked 'Start Immediately' checkbox, 'Start' date and time pickers, 'Time Zone' set to 'Central Europe', and a 'Recurrence Pattern' of 'Single Run'; 'Maintenance Plan Options' with a 'Timeframe for Creating Maintenance Call Objects' section (1 day, DAY unit) and an 'Optimization' section (*Server Group for Parallel...: parallel_generators, *Number of Parallel Proce...: 10); and 'Maintenance Plans' and 'Technical Objects' sections, each with fields for 'Planning Plant' and 'Maint. Planner Group'. The bottom of the screen features a dark bar with 'Schedule', 'Check', 'Template', and 'Cancel' buttons.

Maintenance Planning Overview: The overview page and the cards

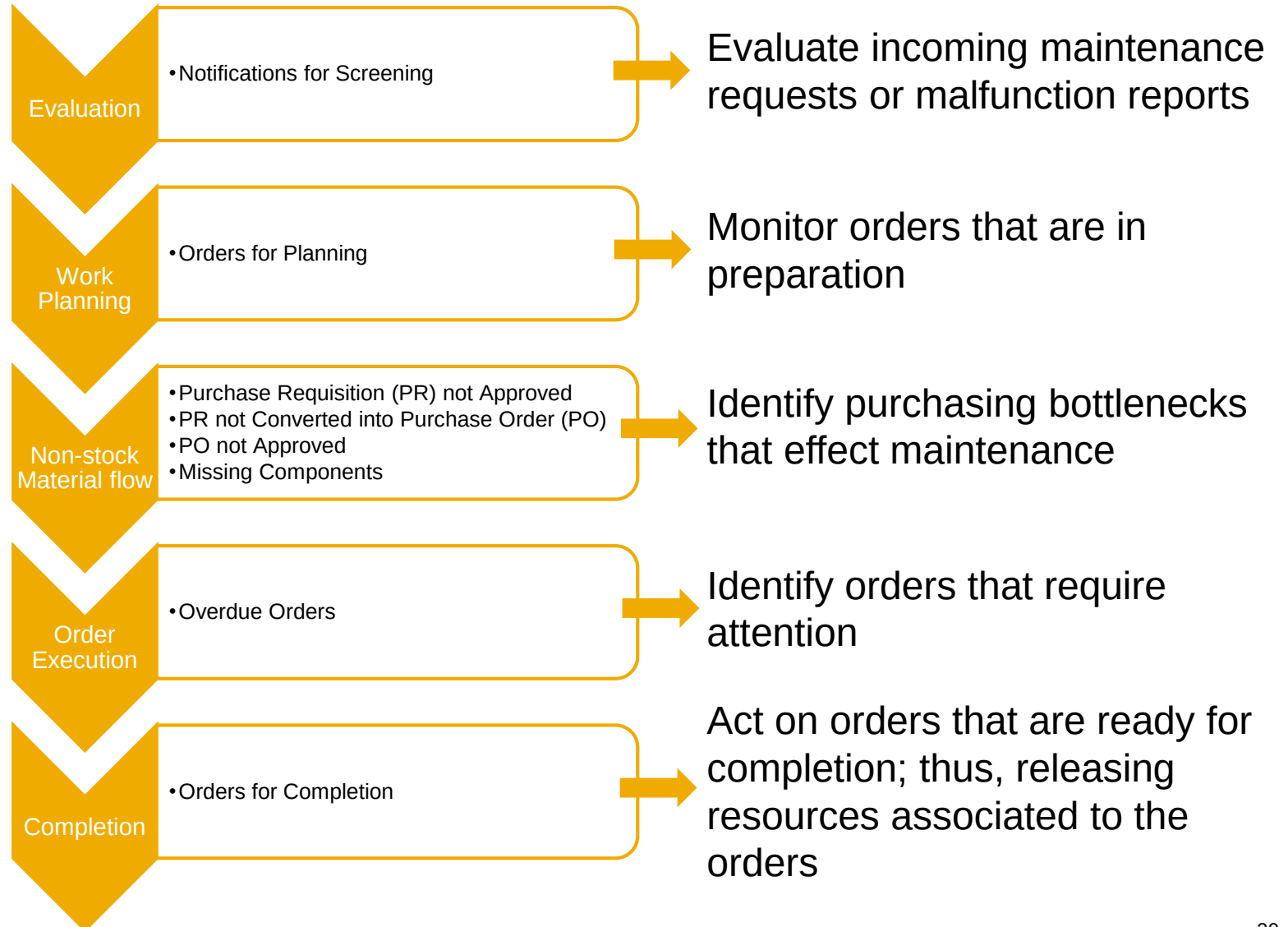


- Cards are task orientated
- Key information is presented on a card to guide planners to pay attention to certain SAP documents such as maintenance orders or notifications
- Some cards include charts to visualize group of objects
- From a card, users navigate to a list page

Maintenance Planning Overview: Mapping cards to business process steps

As a planner, I oversee the planning and execution of maintenance work.

The overview page consists of cards that can be grouped as shown in the following diagram.



New features of Object Pages for Maintenance Mangement

New SAP Fiori apps:

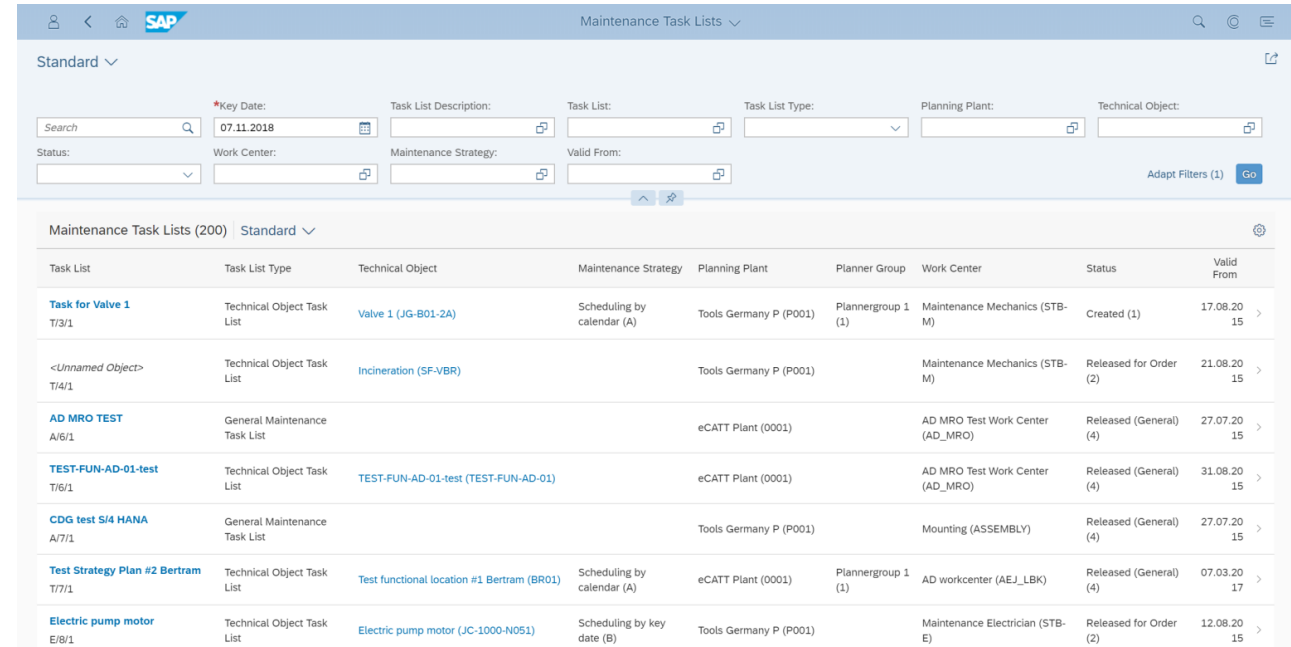
- Find Maintenance Task List
- Find Maintenance Task List and Operation

Find Maintenance Order and Operation app – new quick actions:

- Ability to create a time confirmation
- Ability to change an assignment – work center, work center plant, or person responsible

Find Maintenance Order and Operation app – other enhancements:

- Direct navigation to show confirmations
- Contact information for Person responsible



Task List	Task List Type	Technical Object	Maintenance Strategy	Planning Plant	Planner Group	Work Center	Status	Valid From
Task for Valve 1 T/3/1	Technical Object Task List	Valve 1 (JG-B01-2A)	Scheduling by calendar (A)	Tools Germany P (P001)	Plannergroup 1 (1)	Maintenance Mechanics (STB-M)	Created (1)	17.08.2015
<Unnamed Object> T/4/1	Technical Object Task List	Incineration (SF-VBR)		Tools Germany P (P001)		Maintenance Mechanics (STB-M)	Released for Order (2)	21.08.2015
AD MRO TEST A/6/1	General Maintenance Task List			eCATT Plant (0001)		AD MRO Test Work Center (AD_MRO)	Released (General) (4)	27.07.2015
TEST-FUN-AD-01-test T/6/1	Technical Object Task List	TEST-FUN-AD-01-test (TEST-FUN-AD-01)		eCATT Plant (0001)		AD MRO Test Work Center (AD_MRO)	Released (General) (4)	31.08.2015
CDG test S/4 HANA A/7/1	General Maintenance Task List			Tools Germany P (P001)		Mounting (ASSEMBLY)	Released (General) (4)	27.07.2015
Test Strategy Plan #2 Bertram T/7/1	Technical Object Task List	Test functional location #1 Bertram (BR01)	Scheduling by calendar (A)	eCATT Plant (0001)	Plannergroup 1 (1)	AD workcenter (AEJ_LBK)	Released (General) (4)	07.03.2017
Electric pump motor E/8/1	Technical Object Task List	Electric pump motor (JC-1000-N051)	Scheduling by key date (B)	Tools Germany P (P001)		Maintenance Electrician (STB-E)	Released for Order (2)	12.08.2015

New features of Object Pages for Maintenance Management - continued

Find Maintenance Notification app:

- New column and navigation to open notifications for a technical object
- Ability to change responsibility – main work center, main work center plant, planner group, planning plant, and person responsible
- Ability to assign an existing order – for the selected notifications, ability to make an assignment of an independent order
- Order generation – automation for creating an order for each notification selected

Find Maintenance Order app:

- Addition of "cost monitor" and related columns
- Ability to change responsibility – planner, work center, work center plant, and person responsible
- Contact information for Person responsible

New object pages: Task List

Object Pages

- Shows detailed information about specific objects and documents
- Provides easily consumable display of information
- Helps to quickly find and navigate to related information.

Supported Process Steps

- **Find Task List objects**
 - User can define own filter criteria
 - Personalized layouts and queries can be saved
 - Responsive UI to adapt to any device
- **Show details of a Task List object**
 - General Information
 - Operations
 - General Information, Materials, External Data, PRTs, Original Attached
 - Maintenance Packages
 - Originals attached

The screenshot displays the SAP Maintenance Task Lists interface. The top section shows a search bar and various filter fields including Key Date (07.11.2018), Task List Description, Task List, Task List Type, Planning Plant, and Technical Object. Below this is a table of Maintenance Task Lists (200) with columns for Task List, Task List Type, Technical Object, Maintenance Strategy, Planning Plant, Planner Group, Work Center, Status, and Valid From. The table lists several task lists, including 'Task for Valve 1' and '<Unnamed Object>'. A detailed view of the 'Task for Valve 1' task list is shown below, displaying its operations (0010, 0020, 0030) and maintenance packages (Monthly, 3-monthly, Monthly).

Task List	Task List Type	Technical Object	Maintenance Strategy	Planning Plant	Planner Group	Work Center	Status	Valid From
Task for Valve 1 T/3/1	Technical Object Task List	Valve 1 (JG-B01-2A)	Scheduling by calendar (A)	Tools Germany P (P001)	Plannergroup 1 (1)	Maintenance Mechanics (STB-M)	Created (1)	17.08.2015
<Unnamed Object> T/4/1	Technical Object Task List	Incineration (SF-VBR)		Tools Germany P (P001)		Maintenance Mechanics (STB-M)	Released for Order (2)	21.08.2015

Operation	Suboperation	Operation Description	Control key	Work Center	Plant	Technical Object	Assembly	Change Number	Valid From
0010		Step 01	Plant maintenance - external (PM01)	Maintenance Mechanics (STB-M)	Tools Germany P (P001)				17.08.2015
Valid To: 31.12.9999									
0020		Step 02	Plant maintenance - external (PM01)	Maintenance Mechanics (STB-M)	Tools Germany P (P001)				17.08.2015
Valid To: 31.12.9999									
0030		Step 03	Plant maintenance - external (PM01)	Maintenance Mechanics (STB-M)	Tools Germany P (P001)				17.08.2015
Valid To: 31.12.9999									

Operation	Packages
Step 01 (0010)	Monthly
Step 02 (0020)	3-monthly
Step 03 (0030)	Monthly

New object pages: Find Task List and Operations

Object Pages

- Shows detailed information about specific objects
- Provides easily consumable display of information
- Helps to quickly find and navigate to related information.

Supported Process Steps

- Find Maintenance Task List and Operations objects
 - Using their attributes
 - Showing information on both object in a single list
- Navigate to related objects
 - Task List
 - Technical Object

Maintenance Task Lists and Operations

Standard

Search

*Key Date:

07.11.2018

Task List Description:

Task List:

Task List Type:

Technical Object:

Status:

Operation:

Operation Description:

Work Center:

Work Center Plant:

Adapt Filters (1)

Go

Maintenance Task Lists and Operations (440)Standard

Task List	Task List Type	Operation	Suboperation	Operation Description	Technical Object	Work Center	Operation Work Center	Operation Technical Object	Duration
rtete (A/137/1)	General Maintenance Task List	0001		test		ETM Work Center 0001 PP (0001)	ETM Work Center 0001 PP (0001)	Test BRF Single Cycle Single Item palms (00-1C-1I-01)	0,0
Goulds Pump regular inspection (E/28/2)	Technical Object Task List	0005		decouple electricity	Goulds Pump (10011655)	Maintenance Mechanics (STB-M)	Maintenance Electrician (STB-E)		0,1 H
Goulds Pump regular inspection (E/29/2)	Technical Object Task List	0005		decouple electricity	Goulds Pump (STB2-TAG)	Maintenance Mechanics (STB-M)	Maintenance Electrician (STB-E)		0,1 H
Task for Valve 1 (T/3/1)	Technical Object Task List	0010		Step 01	Valve 1 (JG-B01-2A)	Maintenance Mechanics (STB-M)	Maintenance Mechanics (STB-M)		1,0 H
T/4/1	Technical Object Task List	0010		Task1	Incineration (SF-VBR)	Maintenance Mechanics (STB-M)	Maintenance Mechanics (STB-M)	Incineration (SF-VBR)	0,0
AD MRO TEST (A/6/1)	General Maintenance Task List	0010		AD MRO Task		AD MRO Test Work Center (AD_MRO)	AD MRO Test Work Center (AD_MRO)		0,0
TEST-FUN-AD-01-test (T/6/1)	Technical Object Task List	0010		checking - inspection	TEST-FUN-AD-01-test (TEST-FUN-AD-01)	AD MRO Test Work Center (AD_MRO)	AD MRO Test Work Center (AD_MRO)		0,0
CDG test S/4 HANA (A/7/1)	General Maintenance Task List	0010		step 1		Mounting (ASSEMBLY)	AN: Work Center 01 (BT_WC001)		1,0 H
Test Strategy Plan #2 Bertram (T/7/1)	Technical Object Task List	0010		Test operation #2 10	Test functional location #1 Bertram (BR01)	AD workcenter (AEJ_LBK)	AD workcenter (AEJ_LBK)		0,0 H

New Quick Actions for Find Maintenance Order and Operation app

New quick actions giving ability for the users to perform business critical actions

- Add Time Confirmation
- Change an assignment – work center, work center plant, or person responsible

The screenshot displays the SAP Maintenance Orders and Operations app interface. At the top, there's a header bar with the SAP logo and a dropdown menu for 'Maintenance Orders and Operations'. Below this is a filter section with various input fields for searching orders, including Order, Order Type, Order Status, Technical Object, Operation, and Operation Description. A 'Go' button is present on the right.

The main area shows a table of orders. The first order is selected, and two quick action pop-ups are visible:

- Change Assignment:** This pop-up allows users to change the work center, work center plant, or person responsible for a selected order. It includes fields for '*Work Center:' (with a dropdown showing 'ADO_WC01'), '*Work Center Plant:' (with a text input showing '0001'), and 'Person Responsible:' (with a text input and a selection icon).
- Add Time Confirmation:** This pop-up allows users to add time confirmation for a selected order. It includes fields for 'Actual Work:' (with a text input showing '5,0' and a unit dropdown showing 'Hour'), 'Final Confirmation:' (with a checkbox), 'Personnel Number:' (with a text input showing '1234567'), and 'Posting Date:' (with a date picker showing '07.11.2018').

Both pop-ups have 'Change Assignment' and 'Add Time Confirmation' buttons at the bottom, along with a 'Cancel' button.

Other enhancements for Find Maintenance Order and Operation app

Existing or newly created confirmations can be
A, created and
B, easily list of confirmations
C, view the individual confirmation

The screenshot displays the SAP Maintenance Orders and Operations app interface. The top section shows a search bar and various filters for finding maintenance orders. Below this, a table lists the orders, with one order selected. The bottom section shows a detailed view of the selected order's confirmations.

Orders and Operations (13.138) | Standard

Order	Order Type	Operation	Suboperation	Operation Description	Technical Object	Technical Object Type	Operation Technical Object	Operation Technical Object Type	Contact Information (Operation Person Responsible)
☒ Test Auftrag 25092017 (200200)	Simplified Order (ZSIM)	fefefef 0010		fefefef	Functional location withaf afg agagg (K1)	Functional Location			emp a

Maintenance Work Center: ADO : workcenter 01 (ADO_WC01)
Operation Work Center: ADO : workcenter 01 (ADO_WC01)
Work: 0,0 H

Maintenance Order Confirmation

Filtered By (1): Confirmation

Maintenance Order Confirmations (2) | Standard

Order	Order Status	Operation	Suboperation	Entered by User	Work Center	Confirmation	Confirmation Text	Counter	Posting Date
Fix Valve (4001705)	Released (Z)	0010		Jolsten Andreas (CB9980001782)	Mechanics (RES-0100)	0000009818		1	09/05/2018
Personnel Number: 50003721 Final Confirmation: No Technical Object: Inlet Water Isolation Valve (210100087)									
Fix Valve (4001705)	Released (Z)	0010		Jolsten Andreas (CB9980001782)	Mechanics (RES-0100)	0000009818		2	09/05/2018
Personnel Number: 50003721 Final Confirmation: Yes Technical Object: Inlet Water Isolation Valve (210100087)									

New features Find Maintenance Notification app

Introduced features:

A, New column and navigation to open technical object

B, Ability to change responsibility – main work center, main work center plant, planner group, planning plant, and person responsible

C, Ability to assign an existing independent order – for the selected notifications

D, Order generation – automation for creating an order for each notification selected

The screenshot displays the SAP Maintenance Notifications app interface. At the top, there's a header bar with the SAP logo and a search icon. Below the header, a filter bar contains various search criteria: Notification, Notification Type, Required Start Date, Technical Object, Required End Date, Main Work Center, Main Work Center Plant, Created on, Notification Status, Created By, Maintenance Order, Priority, and Planning Plant. A red box highlights the 'Change Responsibility' button in the filter bar.

Below the filter bar, a table lists maintenance notifications. A red box highlights the 'Technical Object' column, which contains the text 'Car WV LV Teger (10000000)'. The table columns include: Notification, Notification Type, Technical Object, Required Start Date, Required End Date, Main Work Center, Main Work Center Plant, Created on, Notification Status, and Contact Information (Created By).

Two modal windows are open. The 'Assign Order' window shows a field for '*Maintenance Order:' with a search icon. The 'Change Responsibility' window shows fields for Main Work Center, Main Work Center Plant, Planner Group, Planning Plant, and Person Responsible, each with a dropdown menu and a search icon.

New features Find Maintenance Order app

Features introduced:

A, Addition of "cost monitor" and related columns

B, Ability to change responsibility – planner, work center, work center plant, and person responsible

C, Contact information for Person responsible

Maintenance Orders

Standard *

Search

Order:

Order Type:

Priority:

Technical Object:

Start Date:

End Date:

Maintenance Work Center:

Work Center Plant:

Maintenance Plan:

Maintenance Item:

Order Status:

Adapt Filters

Go

Maintenance Orders (7.904) | Standard

☐	Order	Order Type	Notification	Priority	Technical Object	Start Date	End Date	Maintenance Work Center	Work Center Plant	Cost Estimated / Planned / Actual	Maintenance Plan	Maintenance Item	Order Status	Contact Information (Created By)	Contact Information (Person Responsible)
☒	Test Auftrag 25092017 200200	Simplified Order (ZSIM)		No Priority	Functional location withaf afd fg agagg (K1)	25.09.2017	25.09.2017	ADO : workcenter 01 (ADO_WC01)	eCATT Plant (0001)	0.00 / 0.00 / 0.00 EUR			Released		
☒	MCK vendor name test CC4 200220	Simplified Order (ZSIM)		No Priority		19.01.2017	19.01.2017	ABO_EAMS (ABO_EAMS)	eCATT Plant (0001)	0.00 / 0.00 / 0.00 EUR			Released		
☒	test follow on order 200240	Simplified Order (ZSIM)		No Priority		03.02.2017	03.02.2017	JS PM Test Work Center (JS-002)	eCATT Plant (0001)	0.00 / 0.00 / 0.00 EUR			Released		
☒	Toms Follow-on Order follows 200240 200241	Simplified Order (ZSIM)		No Priority		03.02.2017	03.02.2017	JS PM Test Work Center (JS-002)	eCATT Plant (0001)	0.00 / 0.00 / 0.00 EUR			Released		
☒	Toms Follow-on Order follows 200241 200242	Simplified Order (ZSIM)		No Priority		03.02.2017	03.02.2017	JS PM Test Work Center (JS-002)	eCATT Plant (0001)	0.00 / 0.00 / 0.00 EUR			Released		
☒	<Unnamed Object> 200260	Simplified Order (ZSIM)		No Priority		21.02.2017	21.02.2017	ETM Work center (AEC_WC)	eCATT Plant (0001)	0.00 / 0.00 / 0.00 EUR			Released		
☒	JG Copy Component BOV 200300	Simplified Order (ZSIM)		3-Medium (3)	Clarification plant (JG)	12.10.2017	16.10.2017	Maintenance Mechanics (STB-M)	Tools Germany P (P001)	0.00 / 0.00 / 0.00 EUR			Released	Jens Gasse	
☒	JG Copy Component BOV 2 200301	Simplified Order (ZSIM)		No Priority	Clarification plant (JG)	11.10.2017	11.10.2017	Maintenance Mechanics (STB-M)	Tools Germany P (P001)	0.00 / 0.00 / 0.00 EUR			Released	Jens Gasse	
☒	Simple Order view 200320	Simplified Order (ZSIM)		No Priority		03.01.2018	03.01.2018	AJ work center (AJ_WC_1)	eCATT Plant (0001)	0.00 / 0.00 / 0.00 EUR			Released		
☒	Simple Order view: follow-on order 200321	Simplified Order (ZSIM)		No Priority		03.01.2018	03.01.2018	AJ work center (AJ_WC_1)	eCATT Plant (0001)	0.00 / 0.00 / 0.00 EUR			Outstanding		
☒	Repair compressor 200340	Simplified Order (ZSIM)		No Priority	Compressor (SA-B02-1)	07.08.2018	07.08.2018	Maintenance Mechanics (STB-M)	Tools Germany P (P001)	0.00 / 0.00 / 0.00 EUR			Outstanding		

Change Responsibility

Set or Unset Status

*Maintenance Work Center:

< Keep Existing Values >

*Work Center Plant:

< Keep Existing Values >

Planner Group:

< Keep Existing Values >

Person Responsible:

< Leave Blank >

Change Responsibility

Cancel

Maintenance Scheduling with SAP S/4HANA

**SAP Multiresource
Scheduling (MRS) v10**

- SAP PM Orders/Notifications
- SAP CS Orders/Notifications
- SAP PS Networks
- SAP Hybris Cloud for Service
- SAP PPM, CPM, CRM Service

**SAP Business
Suite**

**SAP Multiresource
Scheduling (MRS) v20**

SAP PM Orders/Notifications

- SAP CS Orders/Notifications
- SAP PS Networks
- SAP Hybris Cloud for Service
- SAP PPM, CPM, CRM Service

SAP S/4HANA

**SAP S/4HANA Asset
Management for
resource scheduling
(S/4HANA 1610, 1709,
1809)**

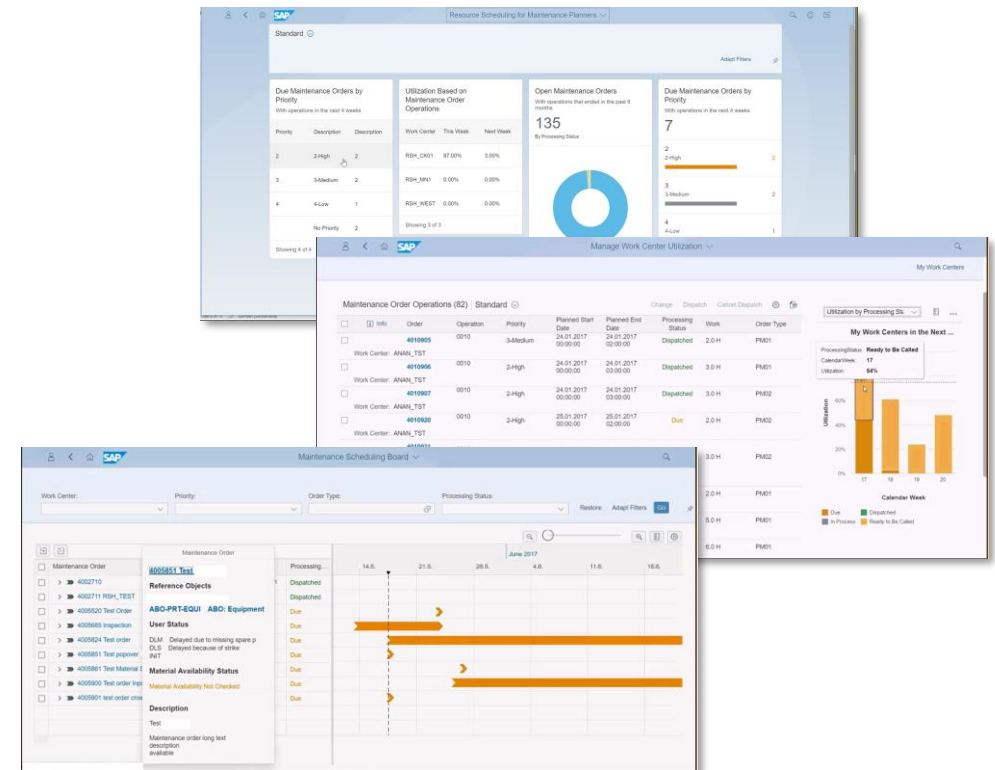
SAP EAM
Overview Page
Work Center – Operation Scheduling
Graphical Scheduling Board

SAP S/4HANA Asset Management for resource scheduling

is a solution extending the S/4HANA digital core to the planning and scheduling of maintenance in the Enterprise Asset Management area. A Maintenance Planner uses relevant information to determine efficiently what work needs to be done with what resources when and where for what assets. Resource availability and qualification are evaluated to create and maintain an effective schedule.

Key Capabilities

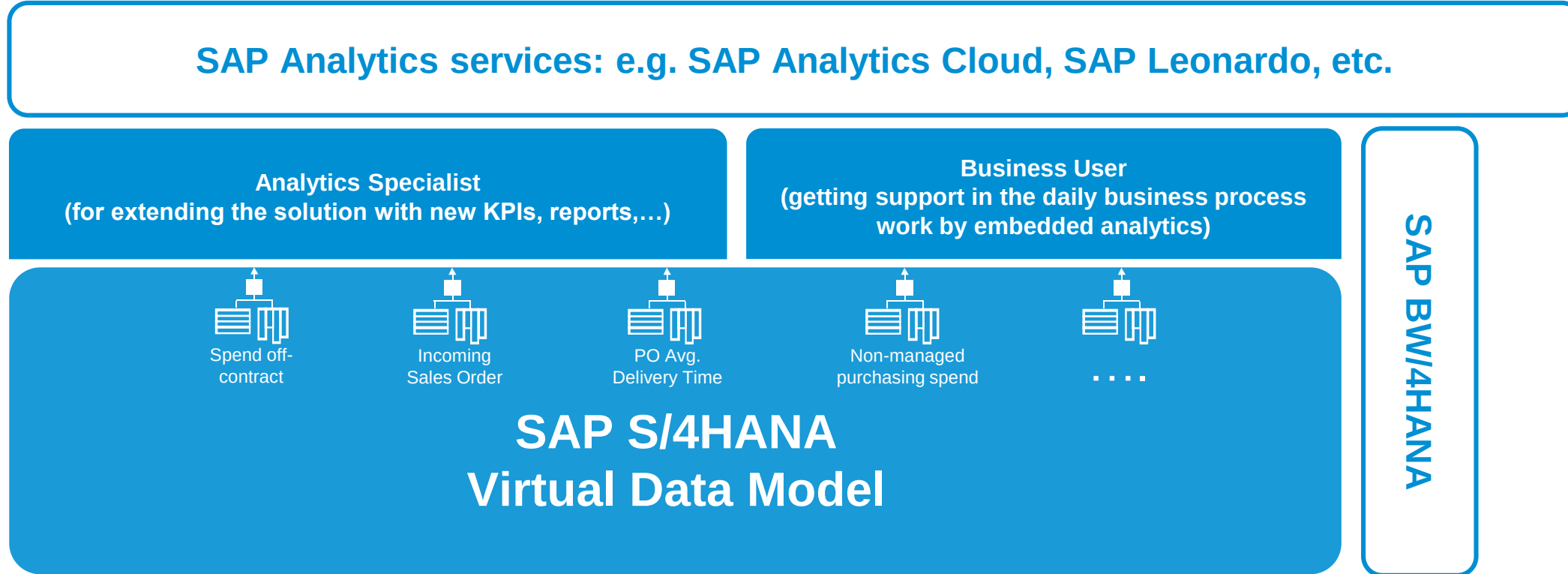
- Monitor and analyze maintenance work load.
- Identify capacity bottlenecks of maintenance work centers.
- Consider Operations, sub-operations and maintenance plans
- Get insight with graphical and list views and operations on timelines.
- Take action and schedule and dispatch work.
- Level the work and reschedule and reassign set of operations.
- Create and refine weekly schedules.
- Benefit with **SAP Multiresource Scheduling** for further sophisticated planning and scheduling including on individual resource level.



Analytics for Maintenance Management **with S/4HANA**

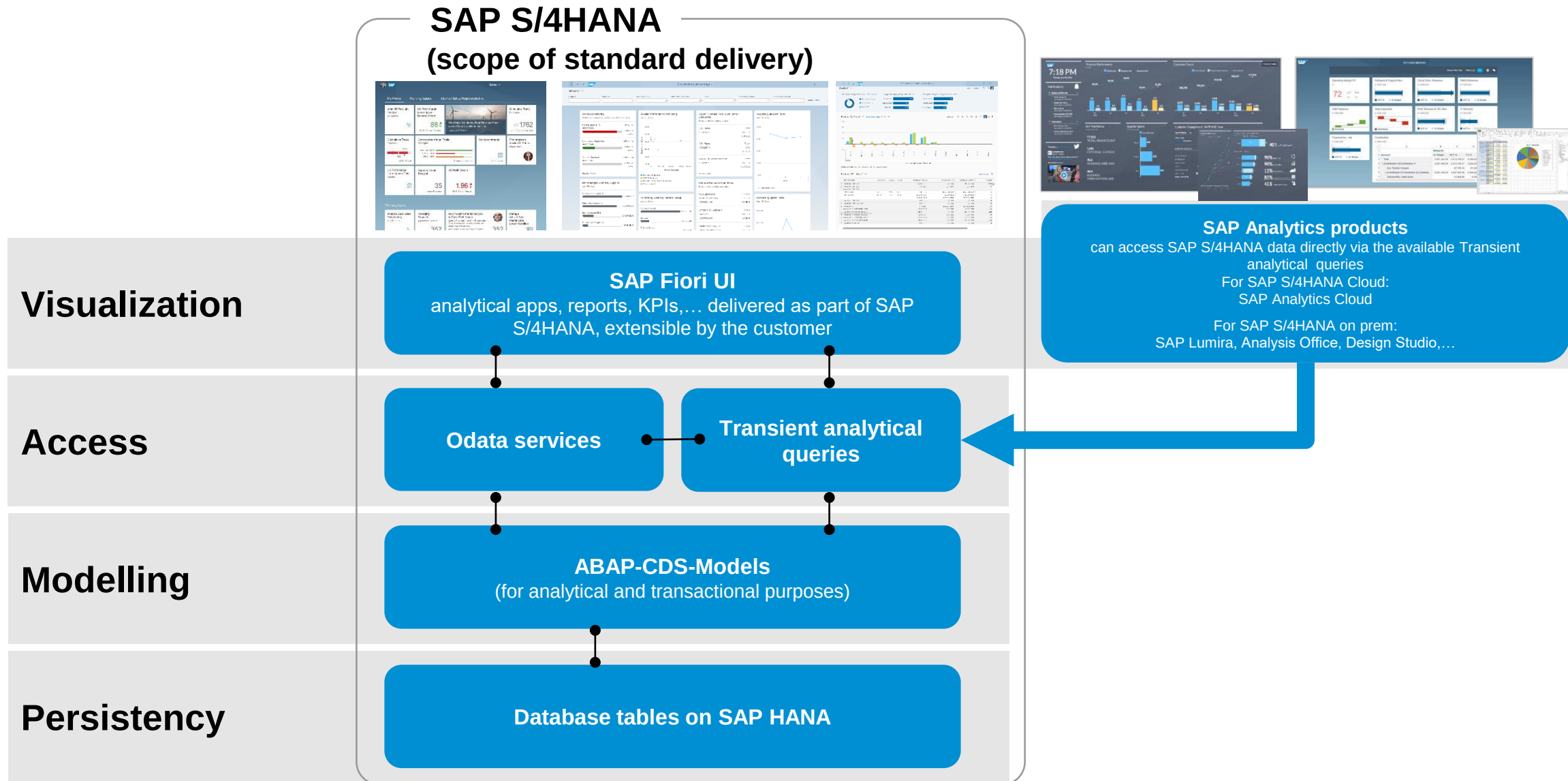


Big Picture Embedded Intelligence and Enterprise Intelligence: Situation today for S/4HANA



- Provide **embedded insights within the solution**, to optimally support business users in defined business processes with decision support and information at the users fingertips.
- **Integrate seamlessly** into the **enterprise intelligence** offerings such as SAP Analytics Cloud and SAP BW/4HANA
- Provide **real-time access to solution data as well as replication of data** and blending with multiple other sources for end2end enterprise intelligence

SAP S/4HANA Embedded Analytics – High Level Architecture



SAP Best Practice Explorer

Find SAP Analytics Cloud Stories for SAP S/4HANA and other SAP S/4HANA Best Practice packages in the Best Practice Explorer:

<https://rapid.sap.com/bp/>

The screenshot displays the SAP Best Practices Explorer web application. The header shows the SAP logo and the title 'SAP Best Practices Explorer'. The breadcrumb trail indicates the path: 'Browse Packages / SAP S/4HANA / On-Premise /'. The main content area features a card for 'SAP Best Practices for analytics with SAP S/4HANA', which is 'Global, For SAP S/4HANA 1610'. The card includes a description, version information, and a direct link to the package. Below the card, there are tabs for 'Overview', 'Solution Scope', 'Accelerators', and 'Find Out More'. The 'Solution Scope' tab is active, showing a list of scope items. A search bar is present to filter items by name and description. The list of scope items includes various integration and content packages for SAP S/4HANA.

SAP Best Practices Explorer

Browse Packages / SAP S/4HANA / On-Premise /

SAP SAP Best Practices for analytics with SAP S/4HANA Global, For SAP S/4HANA 1610

Description:
This solution provides a comprehensive portfolio of analytical content based on SAP S/4HANA. It provides how to get started with SAP S/4HANA embedded analytics and how to integrate with analytical platform and solutions from SAP for ex: SAP Analytics Cloud, SAP BW, SAP Cloud Platform.

Version:
Global, For SAP S/4HANA 1610

Language:
EN

Direct link to package:
https://rapid.sap.com/bp/BP_S4H_ANA

Download ☆ ✉

Overview Solution Scope Accelerators Find Out More

> Solution Information

> Software Requirements

SOLUTION SCOPE

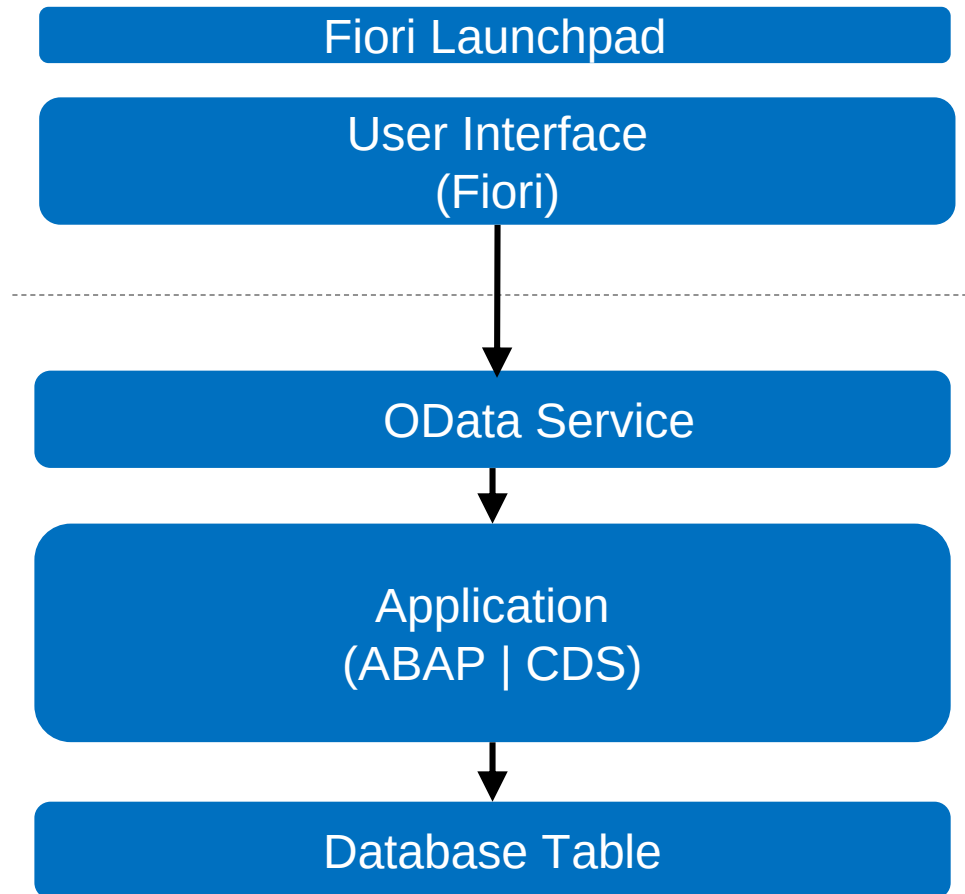
Scope Items Filter Scope Items by Name and Description

Name	Description
Embedded Analytics with SAP S/4HANA (BGH)	Various Embedded analytical content with SAP S/4HANA for example: analytical Fiori apps, Smart Business apps and multi-dimensional reports.
Integration between SAP S/4HANA and SAP BusinessObjects BI (BGA)	Various analytical content based on SAP S/4HANA On-Premise built using SAP BI platform clients for example: Design Studio, Webi, Crystal reports, and Lumira.
Integration between SAP S/4HANA and SAP BW (BGB)	This scope item provides analytical content based on SAP S/4HANA that can be re-used and leveraged in SAP BW environment.
Integration between SAP S/4HANA and SAP Cloud Platform (1JK)	This scope item provides analytical content based on extensibility and integration scenarios between SAP S/4HANA On-Premise and SAP Cloud Platform
Integration between SAP Hybris Marketing & SAP BusinessObjects Cloud (1P4)	This scope item provides an opportunity to build analytical use cases based on integration between SAP Hybris Marketing and SAP Analytics Cloud using the live connection between these two solutions.
Business Content for Retail with SAP BusinessObjects Cloud (1TP)	This scope item provides an opportunity to build analytical use cases based on integration between SAP Customer Activity Repository and SAP Analytics Cloud using the live connection between these two solutions.
SAP S/4HANA Professional Services Cloud content w SAP BusinessObjects Cloud (2RW)	This scope item provides an opportunity to build analytical use cases based on integration between SAP S/4HANA Cloud for Professional

CDS Views and Virtual Data Model

CDS view is the base of the S/4HANA Development

CDS View is the base of the base of the S/4HANA Development, Fiori application and other application.



SAP Fiori

is a collection of apps with a simple and easy-to-use experience for broadly used SAP software functions that work seamlessly across devices – desktop, tablet, and smartphone.

OData (Open Data Protocol)

is an [OASIS standard](#) that defines the best practice for building and consuming RESTful APIs.

CDS (Core Data Services)

CDS is an enhancement of SQL which provides a data definition language (DDL) for defining semantically rich database tables/views (CDS entities) in the database. The enhancements include annotations, associations, and expressions

SAP Analytics Cloud

“Data visualization that gives me a **snapshot of my business**, within a given timeframe, and helps me to make adjustments to my business direction but **may not result in immediate transactional change.**“

Executives, Data Analyst, Report and Dashboard Developers



SAP S/4HANA embedded analytics

“Data visualization that gives me **insight** into my immediate **situation**, give me **proposals** and allows me to **decide** and execute the right **actions**, **within the context of my app**, in the moment.“

Users who run business transactions in SAP S/4 HANA



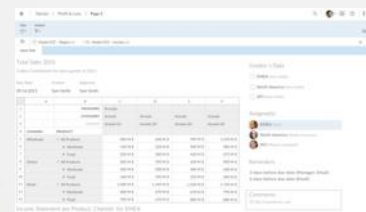
Analytics for SAP S/4HANA = SAP Analytics Cloud + Fiori Templates with Built-in Analytics



Digital Boardroom



Dashboards



Analytical Tool



Overview Page



Analytics List Page



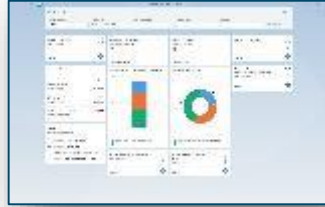
Object Page

Analytical Apps and BW Extractors delivered with S/4HANA



Object Page

- Find Technical object
- Find Notifications
- Find Orders and Operation
- Find Task list and Operation
- Find Documents
- Find Class



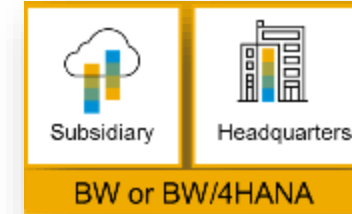
Overview Page

- Maintenance Planning Overview
- Scheduling Overview



Analytics List Page

- Breakdown Analysis
- Damage Analysis
- Actual Cost Analysis*



BW extractors

- Equipment*
- Functional locations*
- Maintenance order*
- Maintenance order/Operation*
- Maintenance notification*
- Maintenance Notification Items*
- Preventive Maintenance Item*



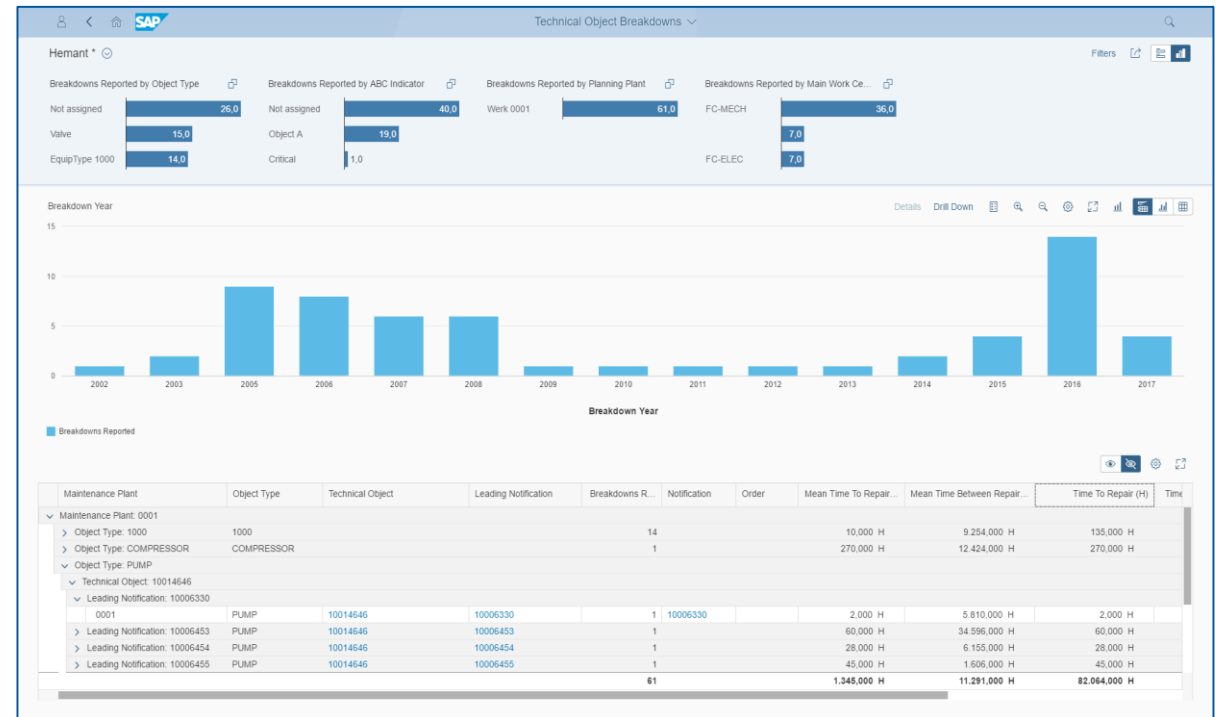
CDS views for Strategic analysis

- Location Analysis +
- Damage Analysis +
- Maintenance order Analysis +
- Breakdown Analysis +

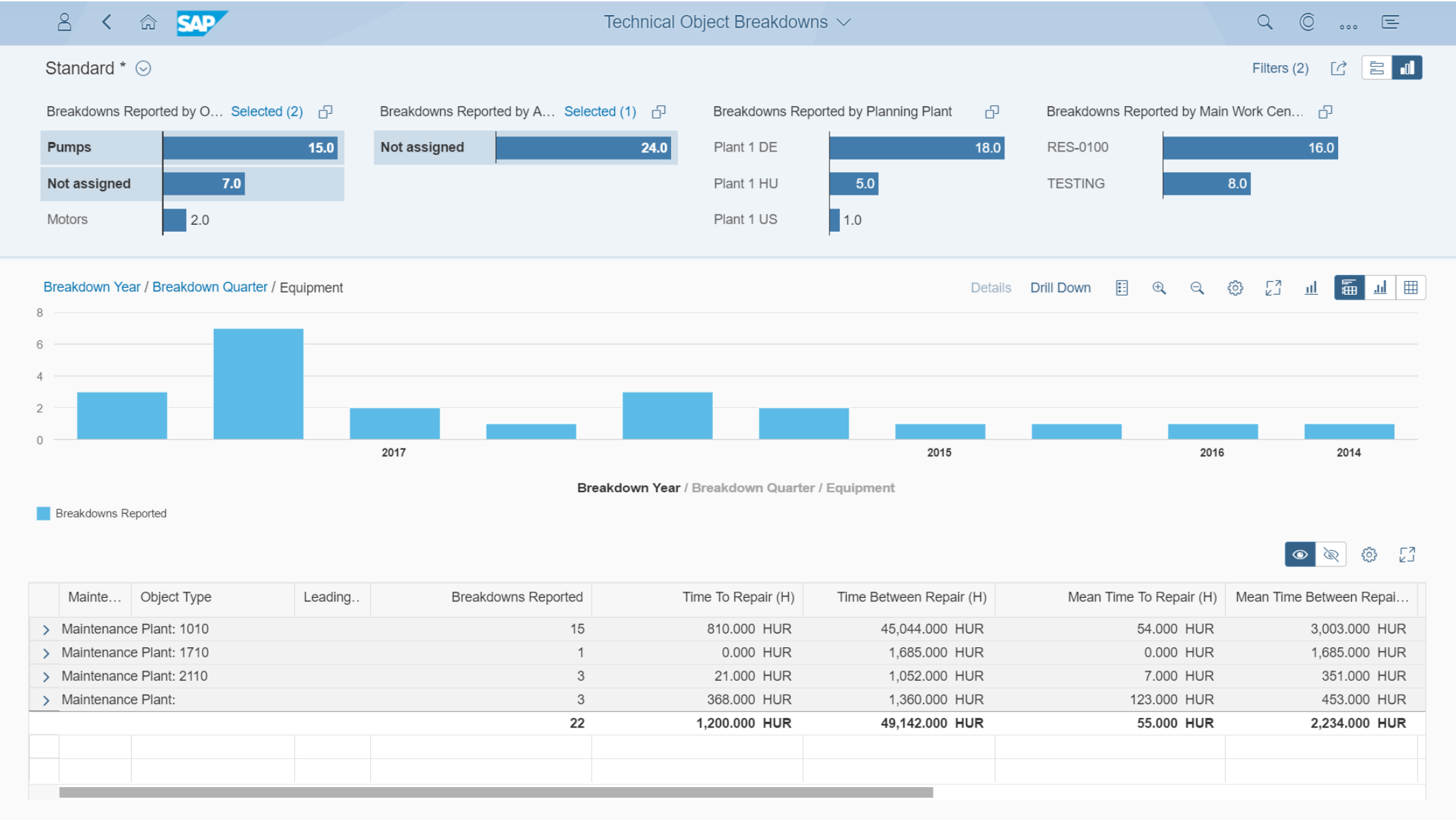
Analytical List Page

Technical Object Breakdowns

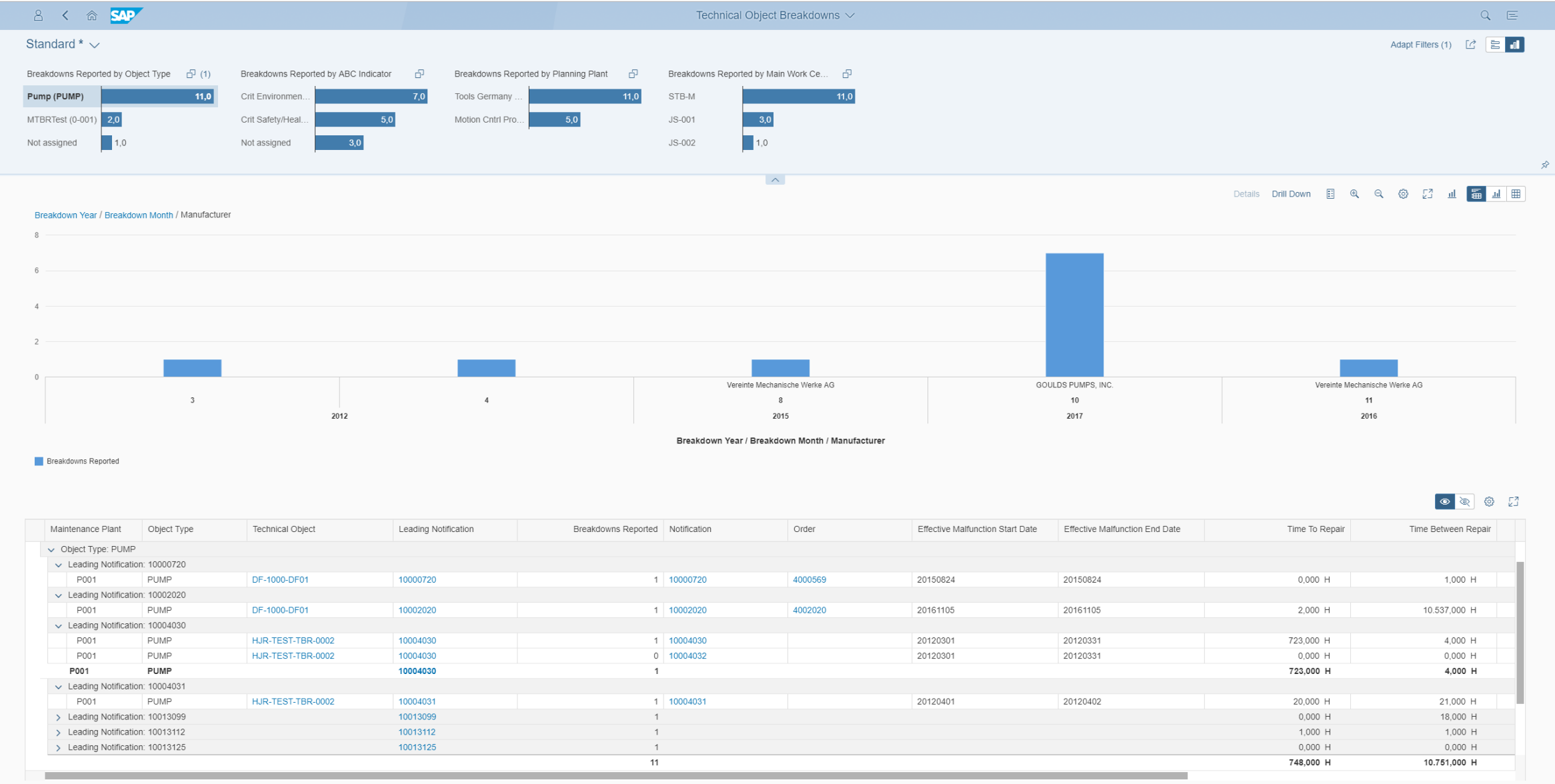
- Analyze Breakdown and its impact on Reliability
- Evaluate effective time to repair and time between repair
- Evaluate Mean and Total time between repair as well time to repair
- Real time evaluation of statistical KPIs without storing aggregates
- identify where the equipment was installed if the breakdown is identified after the equipment was dismantled.
- Identify equipment that fails often or long time to repair
- Identify location where equipment fails quite often
- Compare reliability of the equipment from different manufacturers
- Identify repair frequencies for a type or make of an equipment



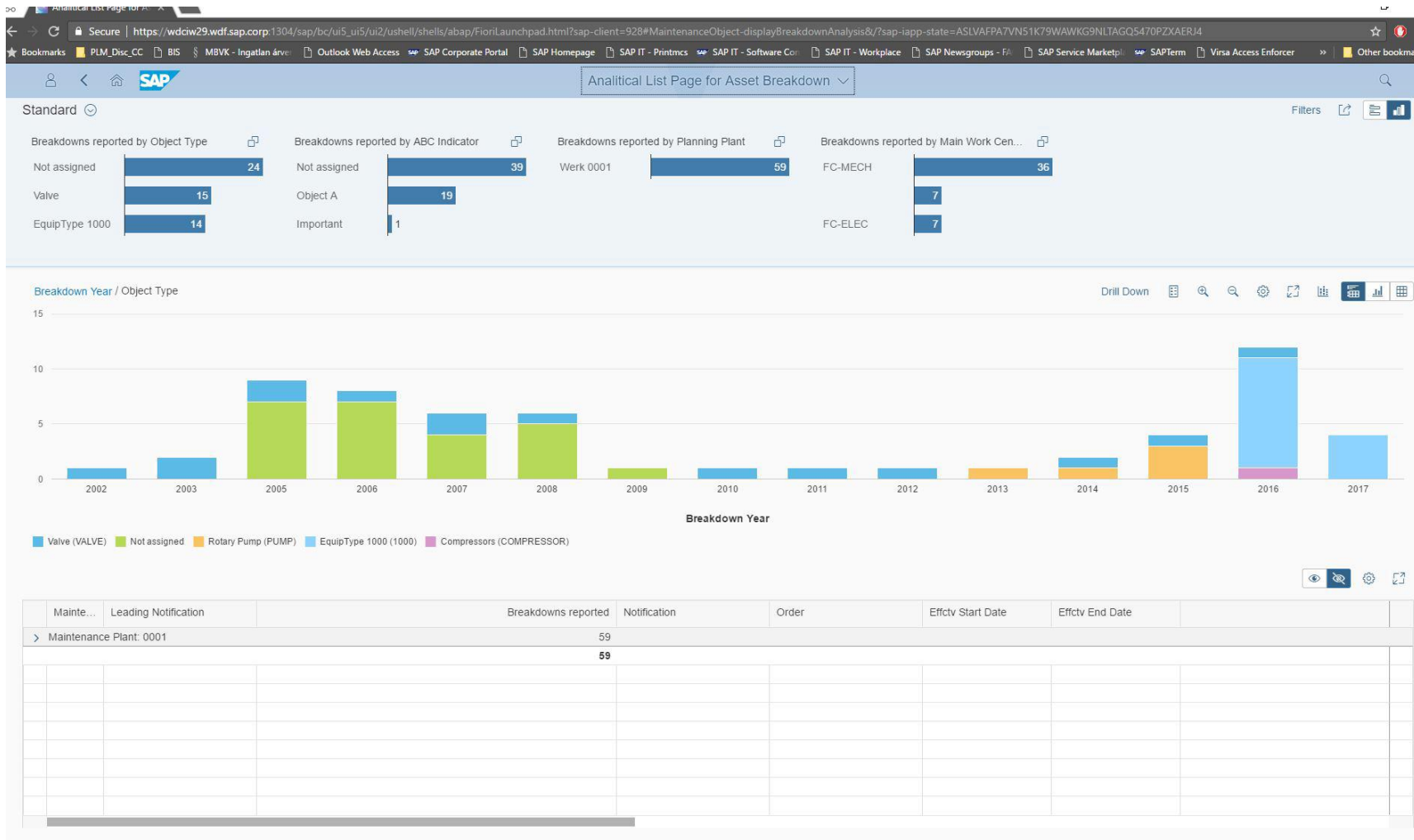
Technical Object Breakdowns (Analytical List Page)



Technical Object Breakdowns (Analytical List Page)



Break Down Analysis



KPI:

- Number of breakdown
- MTTR
- MTBR

Characteristic:

- Object Type
- ABC Indicator
- Work Center
-

Damage Analysis: details of the new embedded analytical application

Main KPIs

- Detailed failure mode analysis
- Number of damages recorded, related causes and activities
- Covers all the features covered by MCI5 / IW69

High-level innovation description

For malfunction report and activity reports, it is critical to records parts that were observed as damaged. Number of damages and corresponding causes could help in analyzing reliability of equipment.

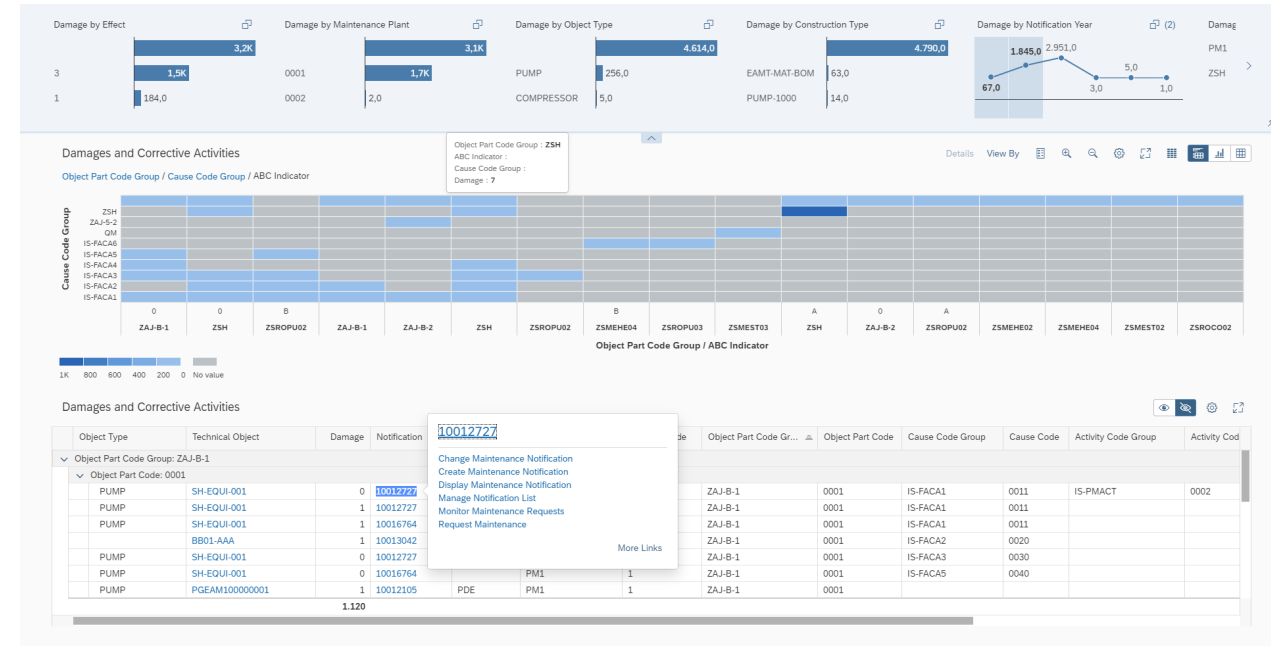
Value Proposition

Increased reliability due to

- Identify failure modes of an equipment
- Identify parts that gets damaged and activities that are needed to repair or replace them
- Identifying main causes observed by technicians and plan preventive or inspections activities to avoid future unplanned breakdown.
- Identify parts that are over maintained and remove them from preventive activities.

Capabilities

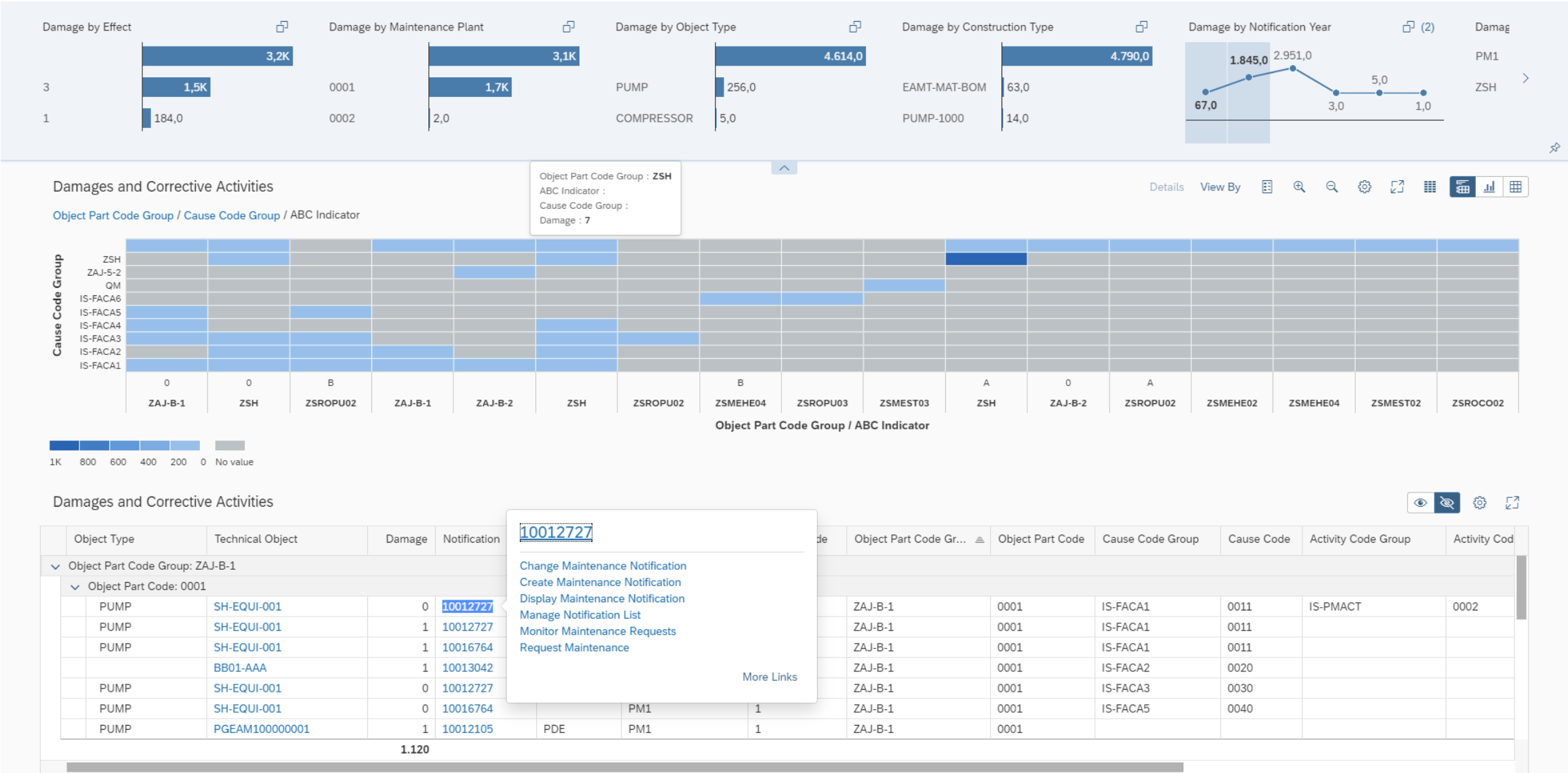
- Analyze frequent offenders that create reliability issues for an equipment
- Identify relation between Failure mode, damages, causes and effect it has on operation of asset



Improvements over PMIS

- Calculation and aggregation is in real time with transactional data and not stored in S-structure.
- KPIs can be aggregated at equipment type, manufacturer, model or any other critical attributes.
- Much easy navigation that lets user drill down to notification or order and get better visibility for historical failures.

Damage Analysis (Analytical List Page)



Standard 

My Work Centers

*Time Period:

Next 4 Weeks 

Work Center:



Priority:



Planned Start Date:



Planned End Date:



Order Type:



Activity Type:



Control key:



Processing Status:



Restore

Adapt Filters (1)

Go



Maintenance Order Operations (13)

Change

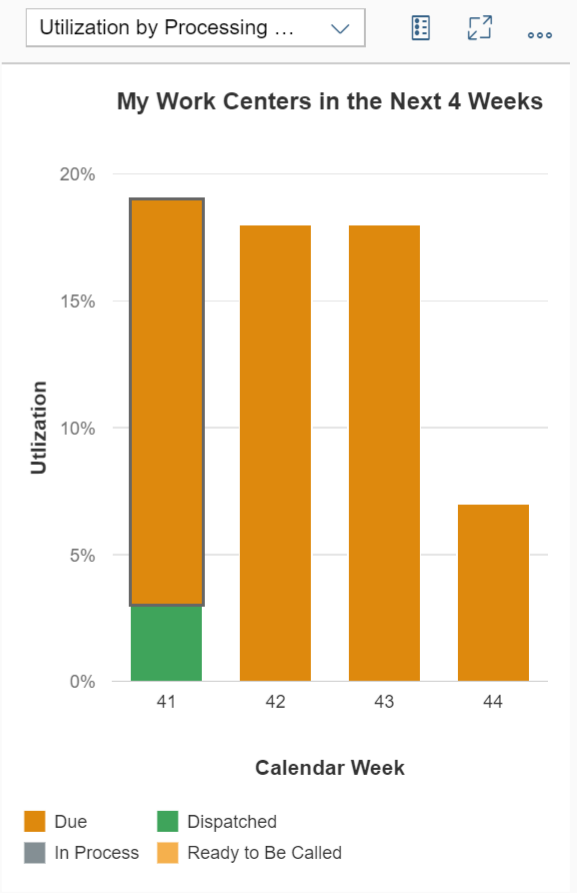
Dispatch

Cancel Dispatch

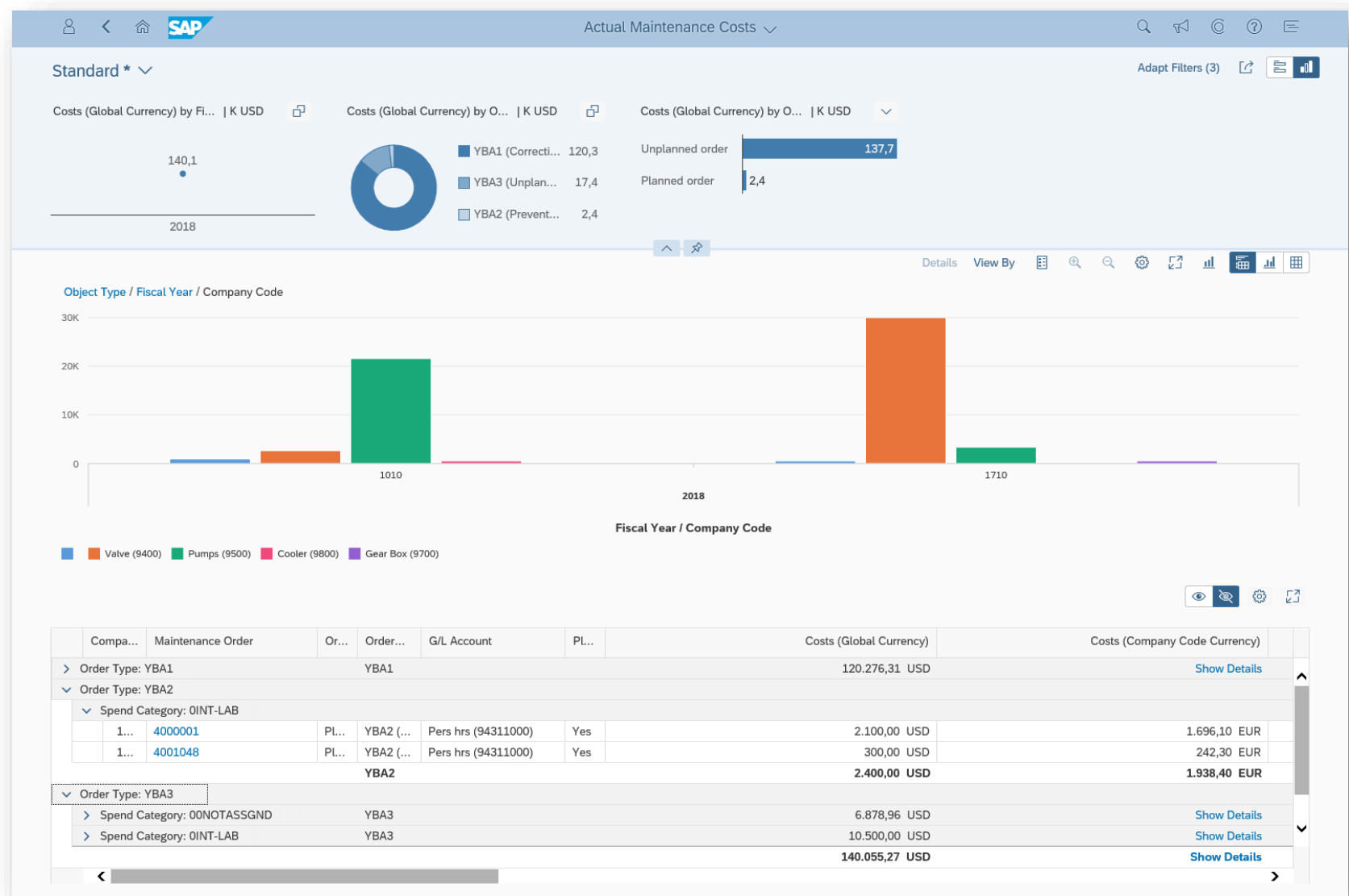




☐	Info	Order	Operation	Priority	Planned Start Date	Planned End Date	Processing Status	Work	Order Type	Work Center
☐		4005235 Sub operation test	0010 Sub operation test		13.10.2017 00:00:00	13.10.2017 13:37:30	Dispatched	5 H	PM01	RSH_CK01
☐		4005235 Sub operation test	0010/0020 Sub operation test		13.10.2017 00:00:00	13.10.2017 13:37:30	Due	1 H	PM01	RSH_CK01
☐		4005358 Work center change	0010 Work center change		13.10.2017 00:00:00	13.10.2017 09:07:30	Due	1 H	PM01	RSH_CK02
☐		4005438 Sub operation test	0010 Sub operation test		13.10.2017 00:00:00	13.10.2017 09:07:30	Due	1 H	PM01	RSH_CK02
☐		4005438 Sub operation test	0010/0020 Sub operation test		13.10.2017 00:00:00	13.10.2017 09:07:30	Due	1 H	PM01	RSH_CK01
☐		4005439 Sub operation test	0010 Sub operation test		13.10.2017 00:00:00	13.10.2017 09:07:30	Due	1 H	PM01	RSH_CK01
☐		4005439 Sub operation test	0010/0020 Sub operation test		13.10.2017 00:00:00	13.10.2017 09:07:30	Due	1 H	PM01	RSH_CK01
☐		4005541 Count Logic	0020 Count Logic		13.10.2017 00:00:00	13.10.2017 09:07:30	Due	1 H	PM01	RSH_CK02
☐		4005541 Count Logic	0030		13.10.2017 00:00:00	13.10.2017 09:07:30	Due	1 H	PM01	RSH_CK02



Actual Maintenance Cost Analysis (Analytical List Page)



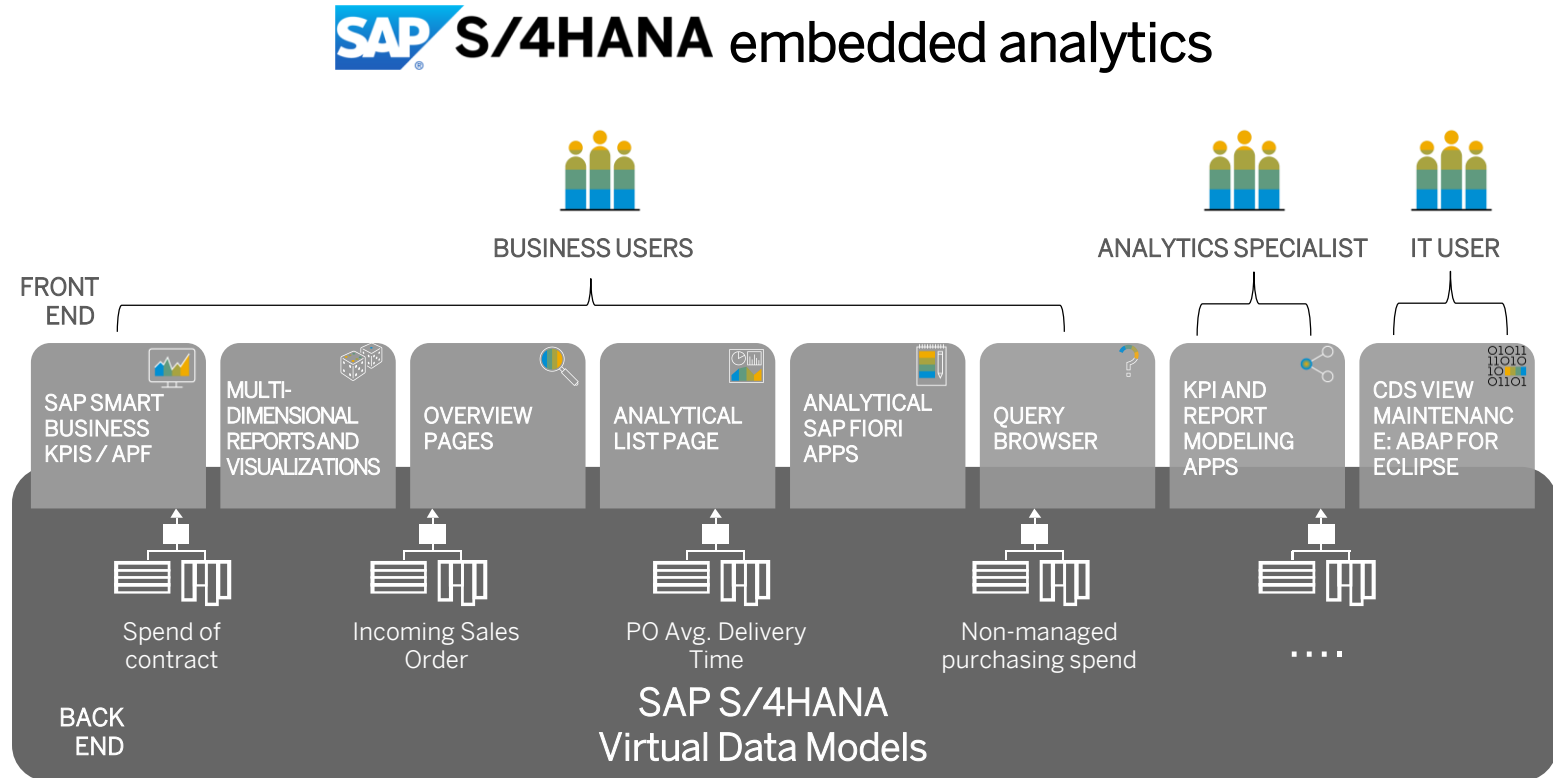
SAP S/4HANA embedded analytics

Embedded Analytics

- Deliver contextualized analytics for SAP S/4HANA embedded within the context of work and tailored to **business needs and roles**
- Consist of Virtual Data Models based on **Core Data Service (CDS)** views covering role based operational reports for lines of business
- Come with **tools for Business Users, Power Users and Developers** to analyze data and manage the lifecycle of reports and KPIs

Highlights 1709 On-Premise

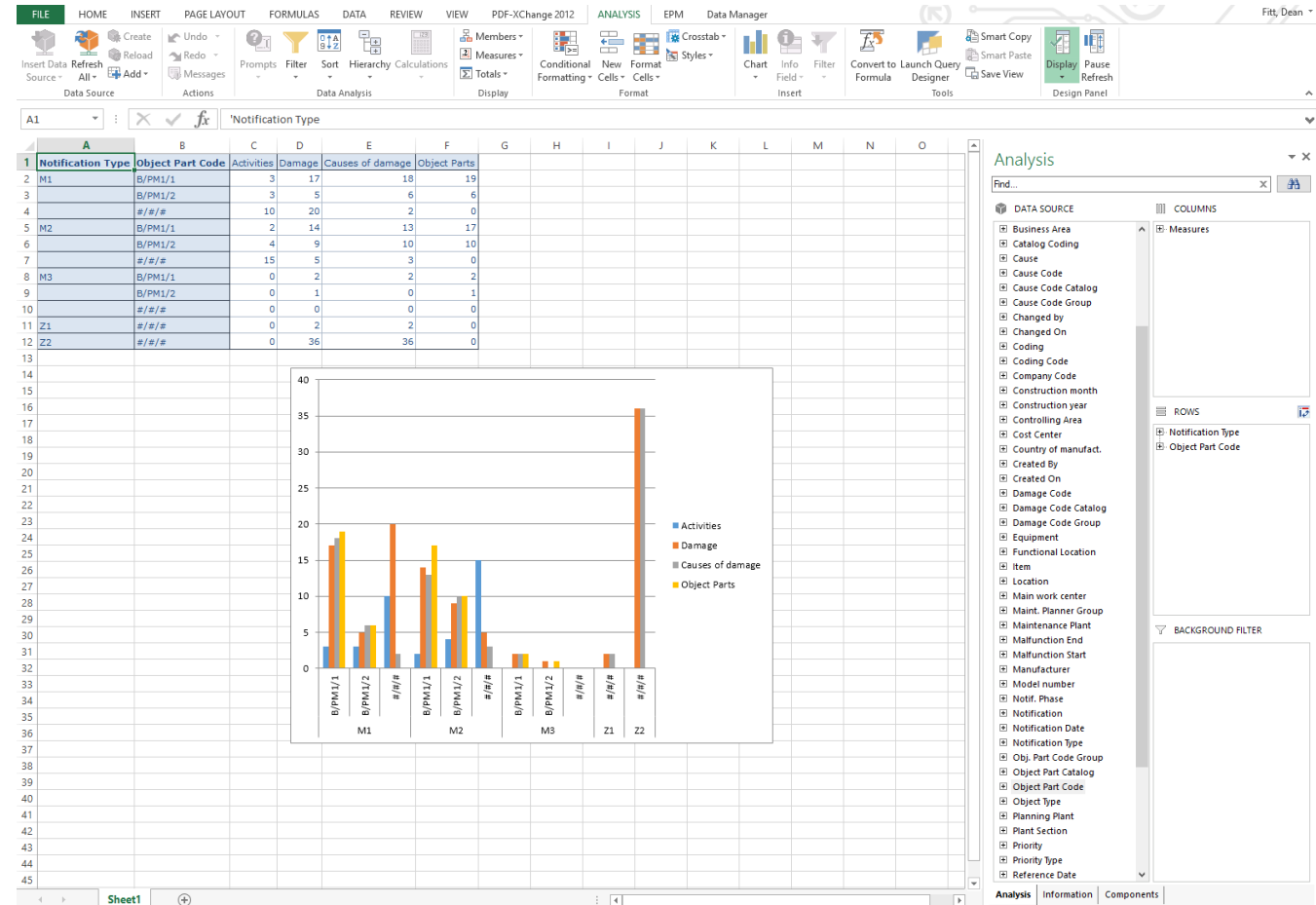
- Functional highlights
 - Extended virtual data model and set of KPI's, for LoBs (e.g. FIN, SD, MM, QM, MM, PLM, PP, etc.) and Industries (e.g. O&G)
 - New SAP Fiori applications (see SAP Fiori Apps Library) including Predictive and Machine Learning use-cases
 - New SAP Smart Business runtime
 - Extended Multidimensional Reporting client
 - Report function (guided process)
 - Other functional enhancements (e.g. Date Function)
- Integration highlights
 - Integrated Applications using SAP Fiori 2.0 floorplans (Analytical List Page, Overview Page etc.)
 - Create Tile for SAP Analytics Cloud Story



SAP S/4HANA Embedded Analytics

Analytical Core Data Service Views and Analytical Queries

- Analyze how well a group of assets are performing and potential improvements that could result in reduced downtime of assets.
 - **Damage analysis**
 - **Location Analysis**
 - **Maintenance order analysis**
- These queries provide capabilities to perform an analysis of historical maintenance orders and notifications.
- Analytical queries come with a comprehensive list of attributes and important KPIs critical for asset performance analysis.
- Maintenance planners and technicians can use these queries to explore data in real time using capabilities of the SAP HANA platform and any of the standard BI tools.



Damage Analysis

Bex Ad Hoc Analysis

BEx Ad Hoc Analysis

Data Analysis Graphical Display Info Information Broadcasting

Damage Analysis Query Last Data Update: 19.10.2016 12:53:37

Save View Bookmark Variable Screen Exceptions and Conditions Notes Export to Microsoft Excel Export to CSV

Rows

Notification Type
Object Part Code

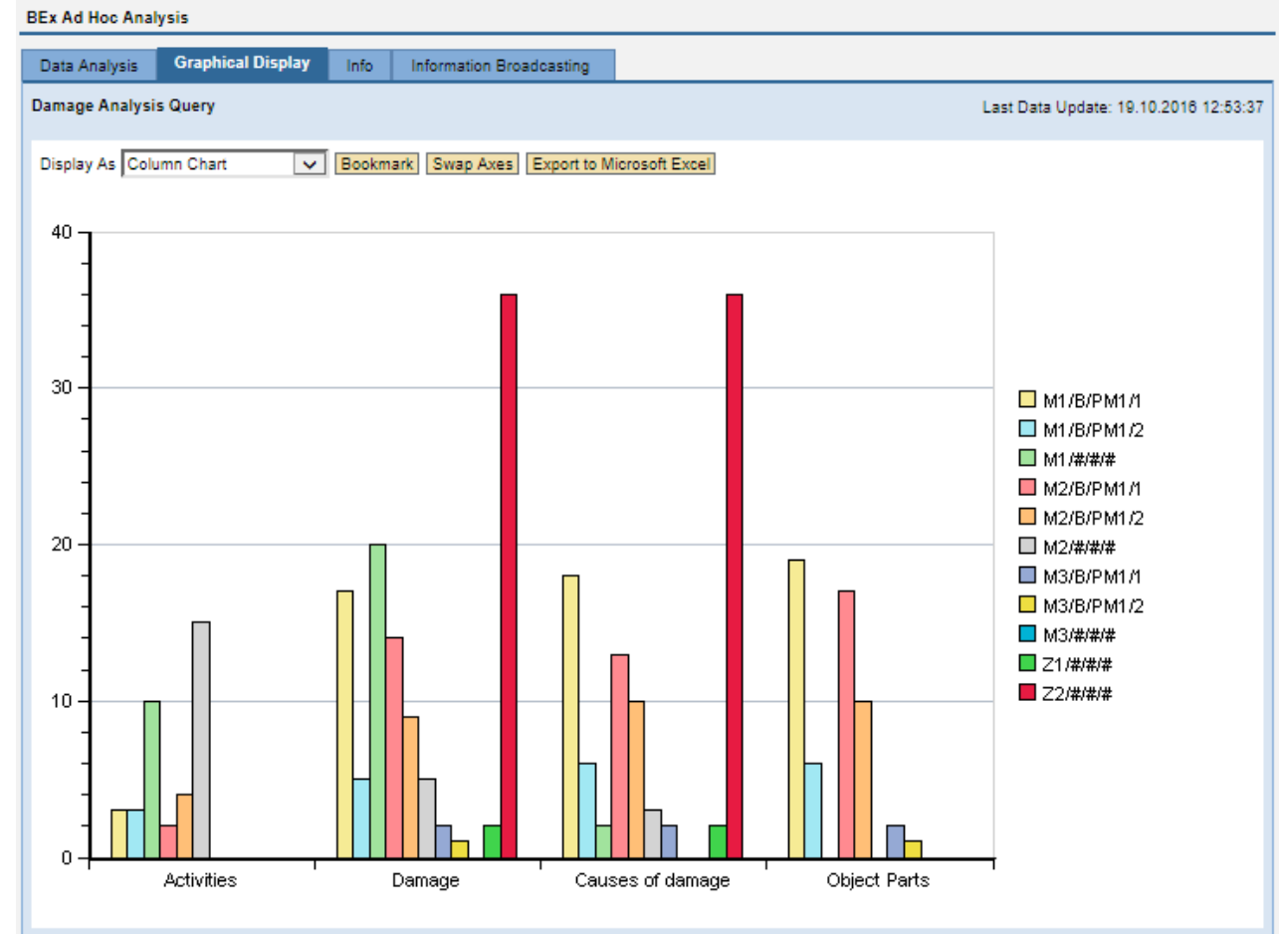
Columns

Key Figures

Free Characteristics

ABC Indicator
Activity
Activity Catalog
Activity Code
Activity Code Group
Assembly
AuthorizGroup
Business Area
Catalog Coding
Cause
Cause Code
Cause Code Catalog
Cause Code Group
Changed On
Changed by
Coding
Coding Code
Company Code
Construction month
Construction year
Controlling Area
Cost Center
Country of manufact.
Created By
Created On
Damage Code
Damage Code Catalog
Damage Code Group
Equipment

Notification Type	Object Part Code	Activities	Damage	Causes of damage	Object Parts
M1	B/PM1/1	3	17	18	19
	B/PM1/2	3	5	6	6
	###	10	20	2	0
M2	B/PM1/1	2	14	13	17
	B/PM1/2	4	9	10	10
	###	15	5	3	0
M3	B/PM1/1	0	2	2	2
	B/PM1/2	0	1	0	1
	###	0	0	0	0
Z1	###	0	2	2	0
Z2	###	0	36	36	0



Customer Connection for “EAM 2016” (CC4)



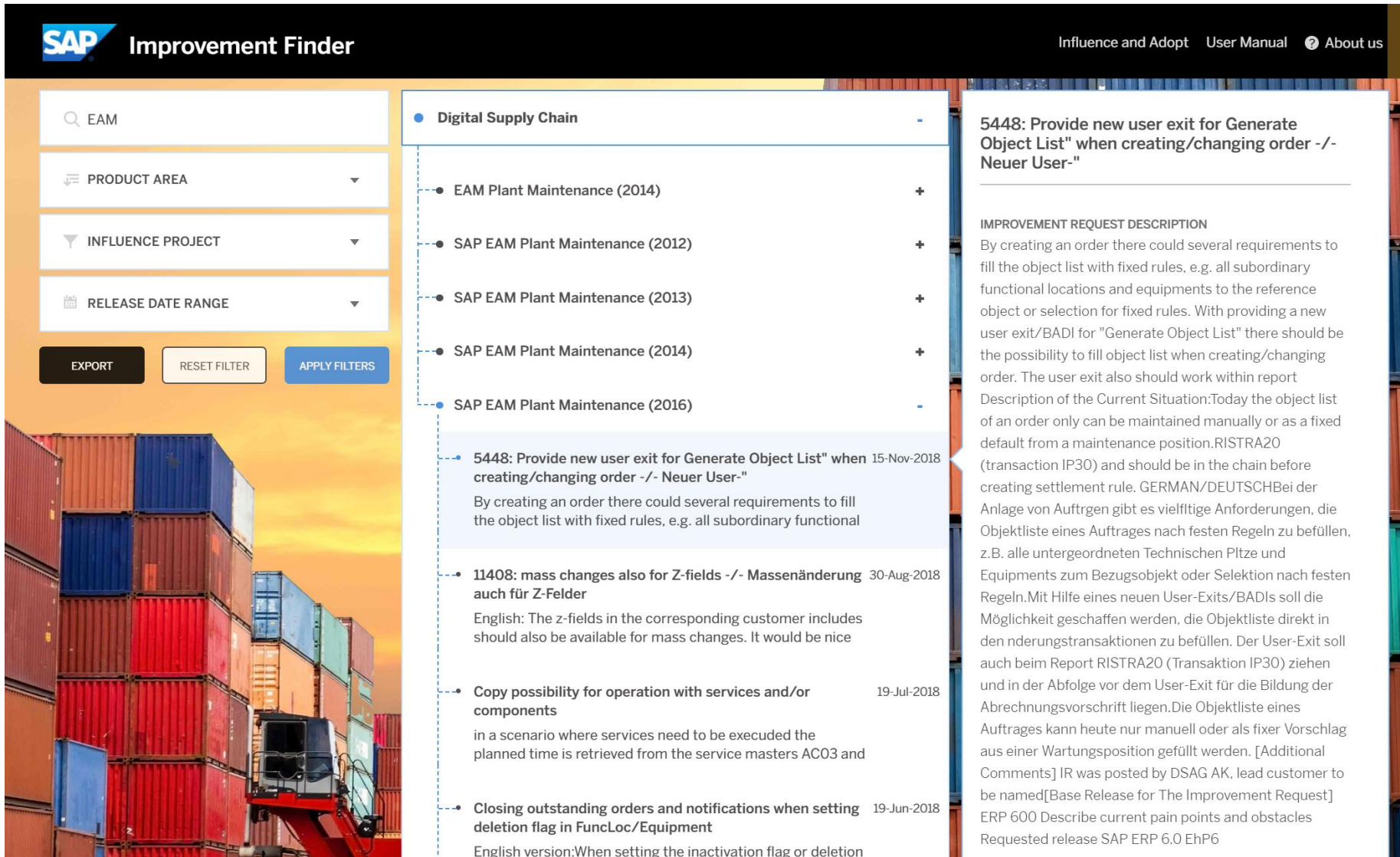
SAP Customer Connection: Delivered Improvement Requests

SAP EAM Plant Mainten... Work Order Component Committed Quantity Dynamic Update Based On Material Requirements Request 10488 Category Vote ♡ 7 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... Create preventive maintenance plan by copying existing maintenance plan Request 10442 Category QuickWins Vote ♡ 24 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... IP11: Maintenance Strategy by Plant Request 10234 Category QuickWins Vote ♡ 5 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... follow-on orders with basic order view / Folgeaufträge in der Einfachen Auftragssicht Request 9997 Category QuickWins Vote ♡ 19 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... Copy possibility for operation with services and/or components Request 10216 Category Orders 1 Vote ♡ 7 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... Planning Plant on IP30 Selection Screen Request 10489 Category QuickWins Vote ♡ 8 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... Add Planned, Completion, and Called Date to IW38, 39, etc. Request 10495 Category QuickWins Vote ♡ 11 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... Closing outstanding orders and notifications when setting deletion flag in FunclOccEquipment Request 10504 Category Orders 1 Vote ♡ 32 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... Display user fields for operation in list view (IW37, IW49) Request 10369 Category Vote ♡ 21 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... PERMIT SYSTEM" for Maintenance order processing - Safety,Work,Process etc..." Request 10331 Category Vote ♡ 5 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... Ability to Select Maintenance plans in list edit report by Maintenance Plant Request 10329 Category Vote ♡ 14 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... User-Specific Print Control - View V_T390_U Request 10288 Category QuickWins Vote ♡ 12 Phase: Select and Develop Status: Delivered
SAP EAM Plant Mainten... Extend order mass change function to include user status Request 10294 Category Vote ♡ 52 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... D9991: Mass selection for entries in order object list -> Massen-Mark. von Einträgen in Objektlst Request 9991 Category QuickWins Vote ♡ 32 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... D10156: PM-actlity type in notification -> IH-Leistungsart in Meldung Request 10156 Category QuickWins Vote ♡ 21 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... D9938: Mass-Availability-Check für EAM orders -> Sammel-Verfügbarkeitsprüfung für PM-Aufträge Request 9938 Category QuickWins Vote ♡ 22 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... 5448: Provide new user exit for Generate Object List" when creating/changing order -> Neuer User:" Request 9828 Category Orders 1 Vote ♡ 26 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... D9844: General display GOS -> Generelle Anzeige GOS Request 9844 Category Vote ♡ 35 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... 12637: Adjustment customizing field control after activating business functions -> Anpassung Felda Request 9846 Category QuickWins Vote ♡ 11 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... 14941: Notification on status board when technical object is removed from actual configuration -> M Request 9847 Category Vote ♡ 5 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... 15283: Profile for default values within creation of Maintenance Plans -> Profil für Vorschlagsver Request 9858 Category QuickWins Vote ♡ 35 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... 15294: Overview dates to maintenance plans and maintenance dates to a functional location/fi-struct Request 9860 Category Preventive M... Vote ♡ 56 Phase: Select and Develop Status: Already Offered	SAP EAM Plant Mainten... 15480: CLP: Authorization control should be supported in revision (outage) function -> Ungenügende Request 9867 Category QuickWins Vote ♡ 3 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... 15485: CLP: Insufficient space for create data fields under Enhancement" & "Operation Enhancement" Request 9868 Category QuickWins Vote ♡ 8 Phase: Select and Develop Status: Delivered
SAP EAM Plant Mainten... 7437: Multi level task list from IW33 is not sorted ? creation of sorting -> Die mehrstufige A Request 9880 Category QuickWins Vote ♡ 3 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... 7458: copy of components (and tasks) within an order -> Kopieren von Komponenten (und Vorgängen) Request 9881 Category Orders 1 Vote ♡ 44 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... 11408: mass changes also for Z-fields -> Massenänderung auch für Z-Felder Request 9884 Category Equipment 1 Vote ♡ 31 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... IW32/ME53N: requested date is not always start date / Lieferdatum nicht immer Eckstart Datum Request 6983 Category Vote ♡ 9 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... IP16: Display the frequency of a maintenance plan Request 6984 Category Preventive M... Vote ♡ 15 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... IW31/32: Copy task list documents into work order Request 6949 Category Vote ♡ 20 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... IW32 & IW38 & IW37N: Automatic update system status ?missing part? Request 6953 Category QuickWins Vote ♡ 13 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... IE03: Use one bottom to show measurement document Request 6960 Category QuickWins Vote ♡ 9 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... IE03: Indicator if documents are assigned Request 6961 Category Vote ♡ 17 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... BAPI ALM-ORDER-MAINTAIN Request 7500 Category Vote ♡ 11 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... Collective entry of measurement documents / Sammelerfassung von Messbelegen Request 7503 Category QuickWins Vote ♡ 7 Phase: Select and Develop Status: Delivered	SAP EAM Plant Mainten... IW31/32: Display name of vendor / Name Kreditor anzeigen / Naam van crediteur tonen Request 7505 Category QuickWins Vote ♡ 37 Phase: Select and Develop Status: Delivered

Details here: <https://influence.sap.com/sap/ino/#/campaign/147>

SAP Improvement Finder <https://sapimprovementfinder.com>

Just search “EAM” to find all deliveries



The screenshot displays the SAP Improvement Finder web application. The interface includes a search bar with the text 'EAM' and several filter sections: 'PRODUCT AREA', 'INFLUENCE PROJECT', and 'RELEASE DATE RANGE'. Below these filters are buttons for 'EXPORT', 'RESET FILTER', and 'APPLY FILTERS'. The main content area shows a list of improvement requests under the category 'Digital Supply Chain'. The first request, '5448: Provide new user exit for Generate Object List" when creating/changing order -/- Neuer User-', is highlighted. To the right of the list, a detailed description for this request is provided.

SAP Improvement Finder

Search: EAM

PRODUCT AREA

INFLUENCE PROJECT

RELEASE DATE RANGE

EXPORT RESET FILTER APPLY FILTERS

Digital Supply Chain

- EAM Plant Maintenance (2014)
- SAP EAM Plant Maintenance (2012)
- SAP EAM Plant Maintenance (2013)
- SAP EAM Plant Maintenance (2014)
- SAP EAM Plant Maintenance (2016)

5448: Provide new user exit for Generate Object List" when creating/changing order -/- Neuer User- 15-Nov-2018

By creating an order there could several requirements to fill the object list with fixed rules, e.g. all subsidiary functional

11408: mass changes also for Z-fields -/- Massenänderung auch für Z-Felder 30-Aug-2018

English: The z-fields in the corresponding customer includes should also be available for mass changes. It would be nice

Copy possibility for operation with services and/or components 19-Jul-2018

in a scenario where services need to be executed the planned time is retrieved from the service masters AC03 and

Closing outstanding orders and notifications when setting deletion flag in FuncLoc/Equipment 19-Jun-2018

English version:When setting the inactivation flag or deletion

5448: Provide new user exit for Generate Object List" when creating/changing order -/- Neuer User-

IMPROVEMENT REQUEST DESCRIPTION

By creating an order there could several requirements to fill the object list with fixed rules, e.g. all subsidiary functional locations and equipments to the reference object or selection for fixed rules. With providing a new user exit/BADI for "Generate Object List" there should be the possibility to fill object list when creating/changing order. The user exit also should work within report Description of the Current Situation:Today the object list of an order only can be maintained manually or as a fixed default from a maintenance position.RISTRA20 (transaction IP30) and should be in the chain before creating settlement rule. GERMAN/DEUTSCHBei der Anlage von Aufträgen gibt es vielfältige Anforderungen, die Objektliste eines Auftrages nach festen Regeln zu befüllen, z.B. alle untergeordneten Technischen Plätze und Equipments zum Bezugsobjekt oder Selektion nach festen Regeln.Mit Hilfe eines neuen User-Exits/BADIs soll die Möglichkeit geschaffen werden, die Objektliste direkt in den Änderungstransaktionen zu befüllen. Der User-Exit soll auch beim Report RISTRA20 (Transaktion IP30) ziehen und in der Abfolge vor dem User-Exit für die Bildung der Abrechnungsvorschrift liegen.Die Objektliste eines Auftrages kann heute nur manuell oder als fixer Vorschlag aus einer Wartungsposition gefüllt werden. [Additional Comments] IR was posted by DSAG AK, lead customer to be named[Base Release for The Improvement Request] ERP 600 Describe current pain points and obstacles Requested release SAP ERP 6.0 EhP6

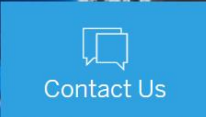
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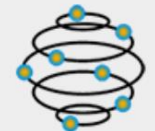
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Home › Products › Digital Supply Chain

Asset Management (EAM)





SAP introduces SAP Intelligent Asset Management

Maximize productivity, improve operational safety, and reduce maintenance costs with SAP Intelligent Asset Management, a suite of solutions that brings collaborative asset intelligence to equipment maintenance and operations.



SAP Intelligent Asset Management Product and Solutions Road Maps

All product roadmaps associated with **SAP Intelligent Asset Management** are now available on one page under the broader umbrella of [Asset Management](#).

To find them go to [SAP Road Maps](#). If you set the filter [Asset Management](#) under *Solution* you can find an overview of the roadmaps related to EAM, including the ones for the **SAP Intelligent Asset Management** subproducts.

To only see the roadmaps for **SAP Intelligent Asset Management**, additionally select [SAP Intelligent Asset Management](#) under the *Products* filter.

You can find all kinds of further information about SAP Intelligent Asset Management, such as feature documentation and link to our [YouTube playlist](#) on the new [SAP Help Portal page for SAP Intelligent Asset Management](#)

What's New Viewer - SAP S/4HANA 1809

SAP

What's New Viewer - SAP S/4HANA 1809

16 entries

Asset Management Maintenance Operations New

Select columns

Line of Business	Solution Area	Solution Capability	Title	Short Description	Type	Scope Item	Application Component	Available As Of	Available In
Asset Management	Maintenance Operations		Maintenance Order: Copying Service Packages and Limits	When copying operations and suboperations, the operation detail data of service operations haven't been copied so far, when you edited maintenance orders on the SAP Web UI for Plant Maintenance. With this product feature you can copy operations that have been created for planning services using the control key with the detailed data on the Limits and Service Packages tab pages. The system copies the operation data as default values that you can overwrite manually. See More	New			SAP S/4HANA 1809	
Asset Management	Maintenance Operations		Simplified Management of EAM Functions 10	This business function provides you with an enhanced copy function for operation data when editing maintenance orders on the SAP Web UI for Plant Maintenance. See More	New			SAP S/4HANA 1809	
Asset Management	Maintenance Operations		Enterprise Asset Management Part 11	This business function provides you with an enhanced mass processing option in the notification list (SAP GUI transaction IW28). You can simultaneously change additional notification header data as well as values of customer-specific fields for multiple maintenance notifications. See More	New			SAP S/4HANA 1809	
Asset Management	Maintenance Operations		Maintenance Notification: New Fields in Mass Change	With this product feature, you can carry out a mass change for an enhanced number of fields when you process maintenance notifications in the notification list in the SAP GUI transaction IW28. It is now possible to simultaneously process certain field contents for additional fields in the notification header and for customer-specific fields in multiple selected maintenance notifications. See More	New		PM	SAP S/4HANA 1809	
Asset Management	Maintenance Operations		Maintenance Planning Overview	This app supports you in the planning and execution of your maintenance work and allows effective monitoring of important, time-sensitive process steps. According to selection criteria that you have defined, the system analyzes critical factors in a chosen reference period, such as, for example, open or outstanding maintenance notifications that have not yet been assigned, missing spare parts or overdue orders. Different cards display the results in figures and colored charts and allow you to navigate to lists in which you can edit the documents that have been identified as critical or contact persons responsible. See More	New			SAP S/4HANA 1809	
Asset Management	Maintenance Operations	Maintenance Planning and Scheduling (SAP S/4HANA) Maintenance Planning and Scheduling	New Features in Maintenance Scheduling Board App	We have added several new features in the Maintenance Scheduling Board app. For example, as a maintenance planner, you can now change maintenance order operations directly in the app. You can dispatch order operations or cancel the dispatch and you can change the start date or the work center for order operations. See More	New		CA-RSH-EAM	SAP S/4HANA 1809	Valid for all countries
Asset Management	Maintenance Operations	Maintenance Planning and Scheduling (SAP S/4HANA) Maintenance Planning and Scheduling	Custom Date Range	As a maintenance planner, you can now change the date range in the Manage Work Center Utilization and Maintenance Scheduling Board apps to any time period that you are interested in. To customize the date range, a new option is available in the time period filter. See More	New		CA-RSH-EAM	SAP S/4HANA 1809	Valid for all countries
Asset Management	Maintenance Operations	Maintenance Planning and Scheduling (SAP S/4HANA) Maintenance Planning and Scheduling	New Features in Manage Work Center Utilization App	We have added several new features in the Manage Work Center Utilization app. For example, as a maintenance planner, you can now see a list of maintenance orders for the order operations in your work centers. See More	New		CA-RSH-EAM	SAP S/4HANA 1809	Valid for all countries

What's New in SAP S/4HANA 1809



WHAT'S NEW | PUBLIC
Document Version: 1.0 – 2018-09-21

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