



We help customers **execute change** to add **value** by
intelligently **connecting People, Things and Business.**

Presenters



Sveinung Gehrken
CEO



Amadeusz Musiol
UX Designer
MD S5 Consulting Poland



Martin Sommer
Senior SAP Consultant



Jacek Hnat
Full-stack Fiori Developer



Adrian Dengusiak
Full-stack Fiori Developer

Agenda

- Introduction
- What is User Experience?
- What is the correct process of building SAP User Experience?
- What is SAP Fiori?
- Benefits of SAP Fiori UX and Design-Led Development Process
- Fiori Possibilities
- How do we deliver SAP Fiori?
- What is the future of SAP Fiori UX?
- Demo
- QA



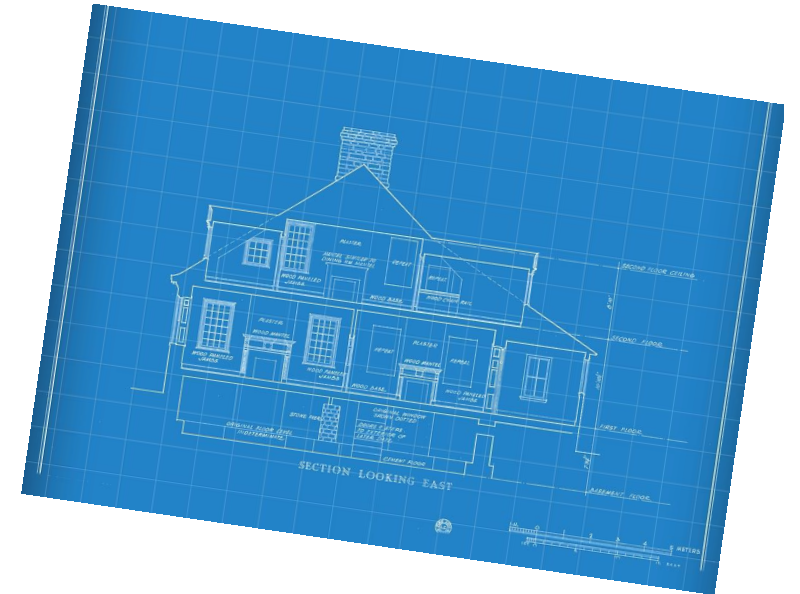
What is User Experience?

User Experience is what it feels like
to use a product, system or service.



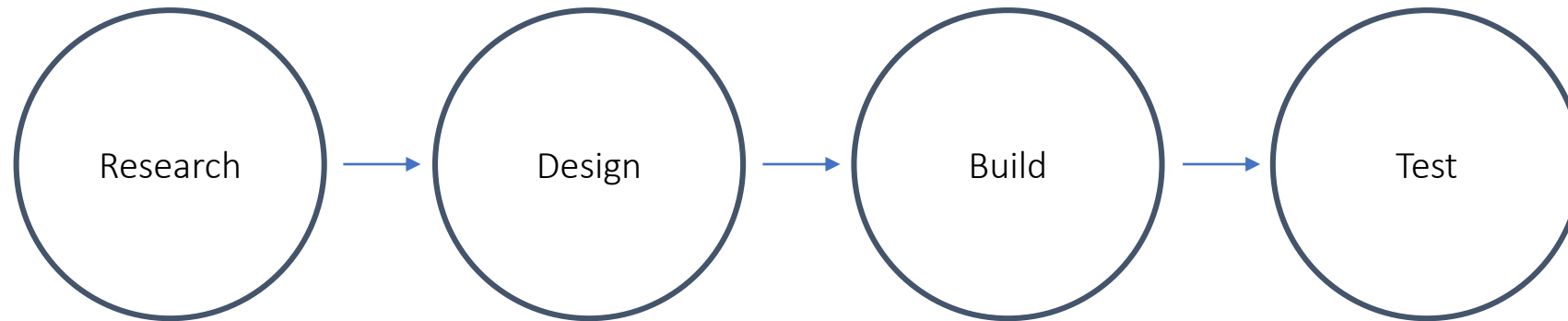
Design in the automotive industry

Design in the construction industry



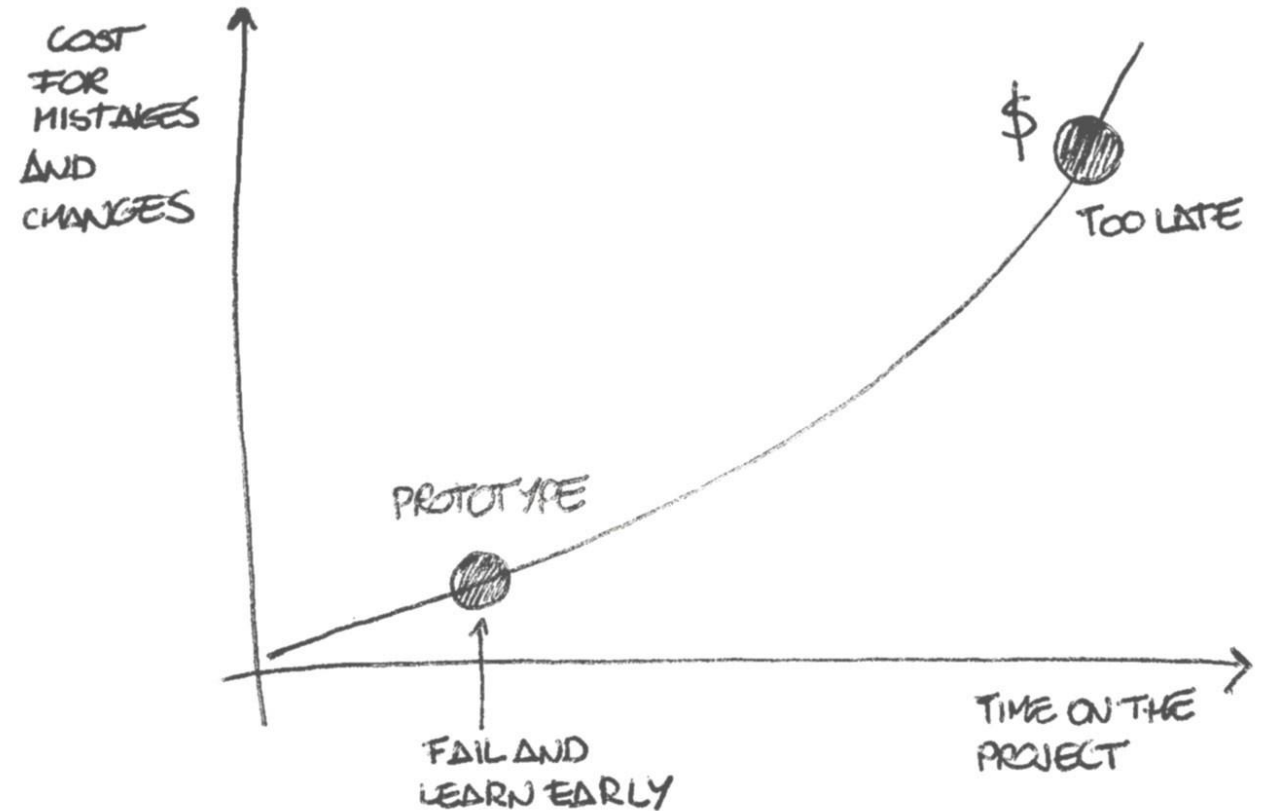
1000

Correct design process



Prototyping

If a picture is worth 1000 words,
**a prototype is worth
1000 meetings**



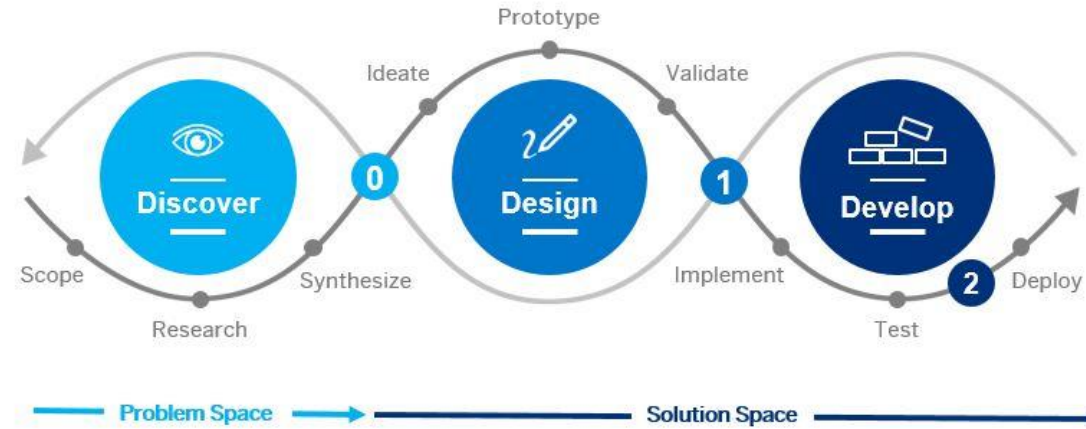
IBM

*“Every \$1 invested in ease-of
use returns \$10 to \$100”*

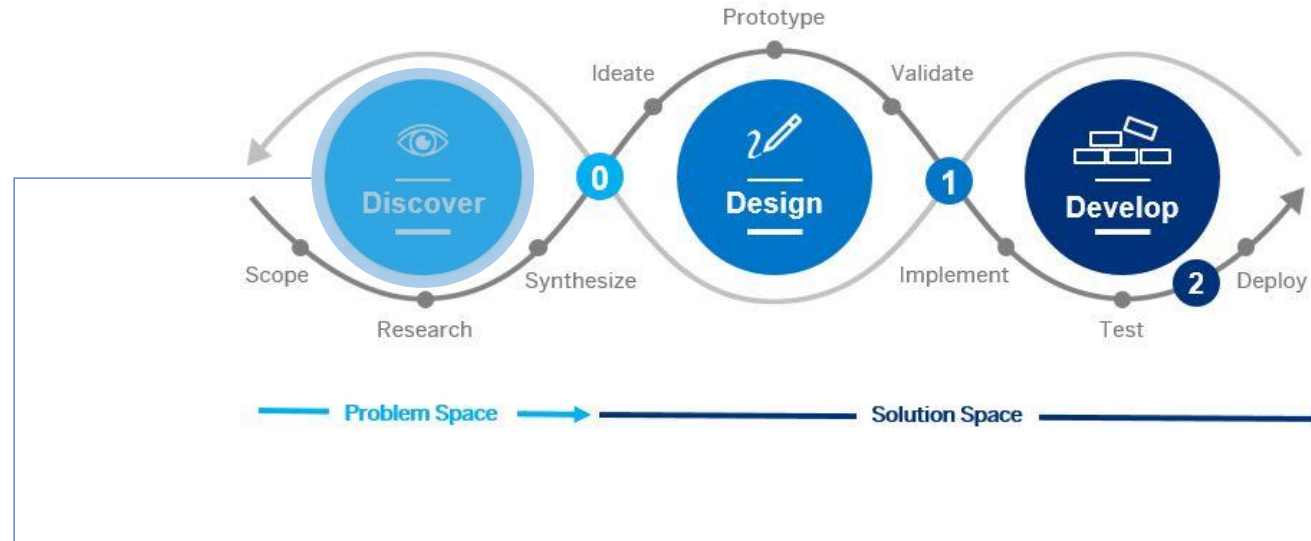
Phil Gilbert, General Manager IBM Design

What is the correct process of building **SAP User Experience**?

Design-Led Development Process

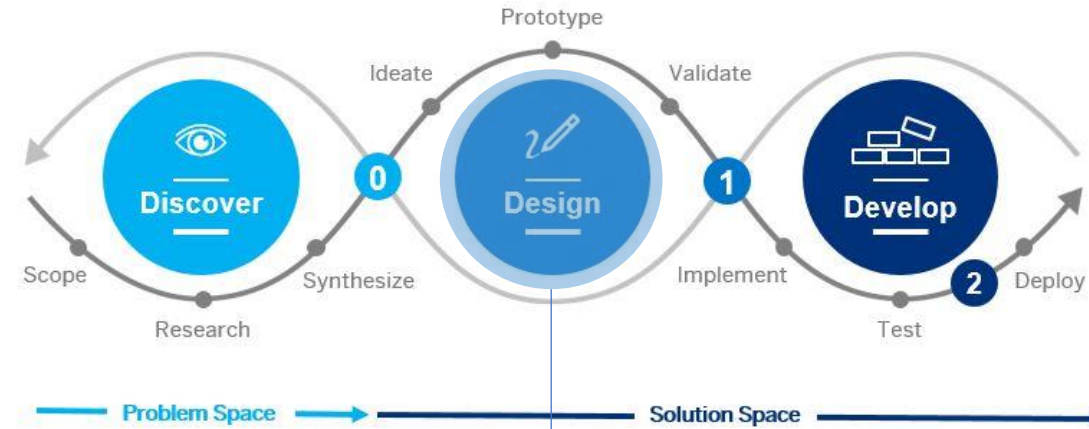


Design-Led Development Process



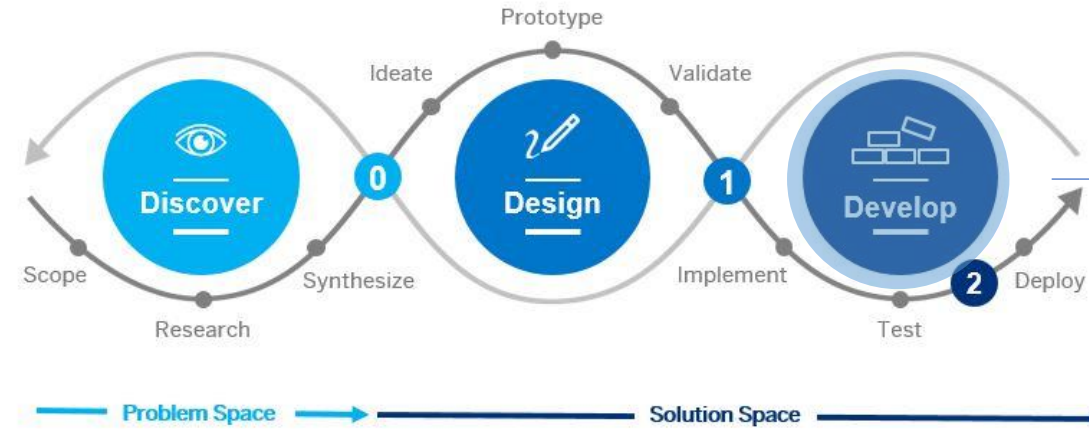
- Explore opportunities
- Identify the problem
- Uncover real needs

Design-Led Development Process



- Prototype
- Test
- Iterate

Design-Led Development Process

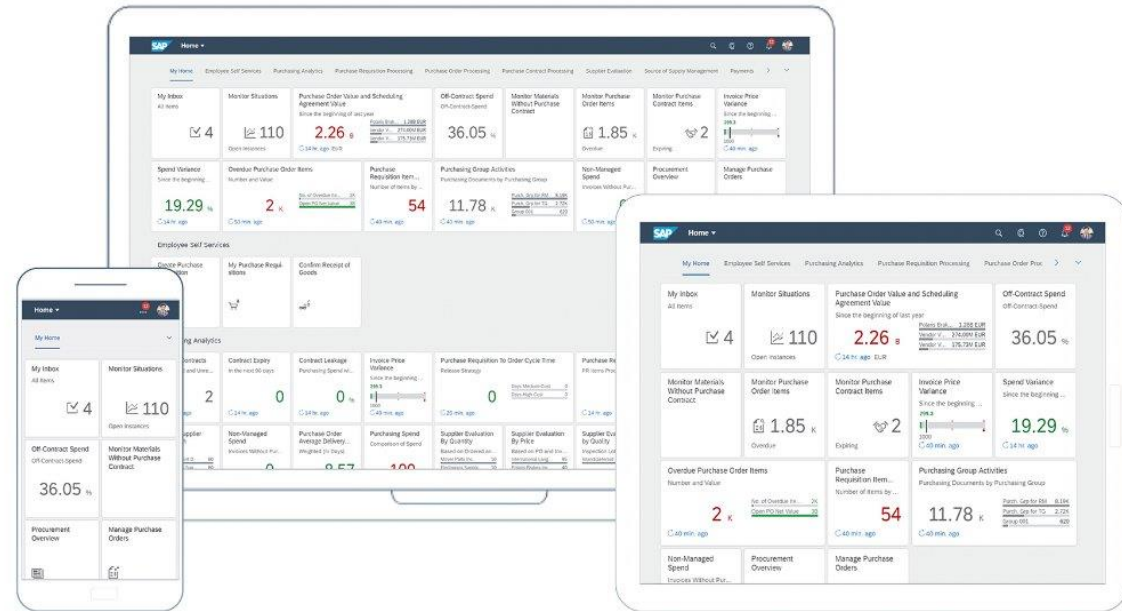


- Build the actual solution
- Validate and adjust
- Release

What is SAP Fiori?

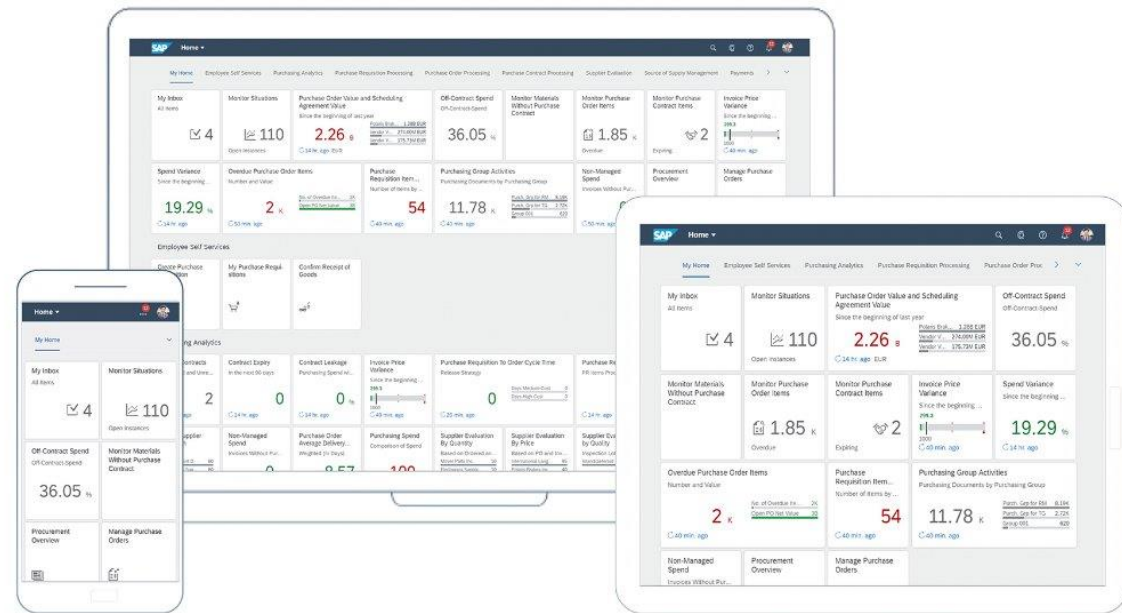
SAP Fiori

- A modern **User Experience** for every device and every user
- It is about Designing, Developing and Delivering apps for every platform

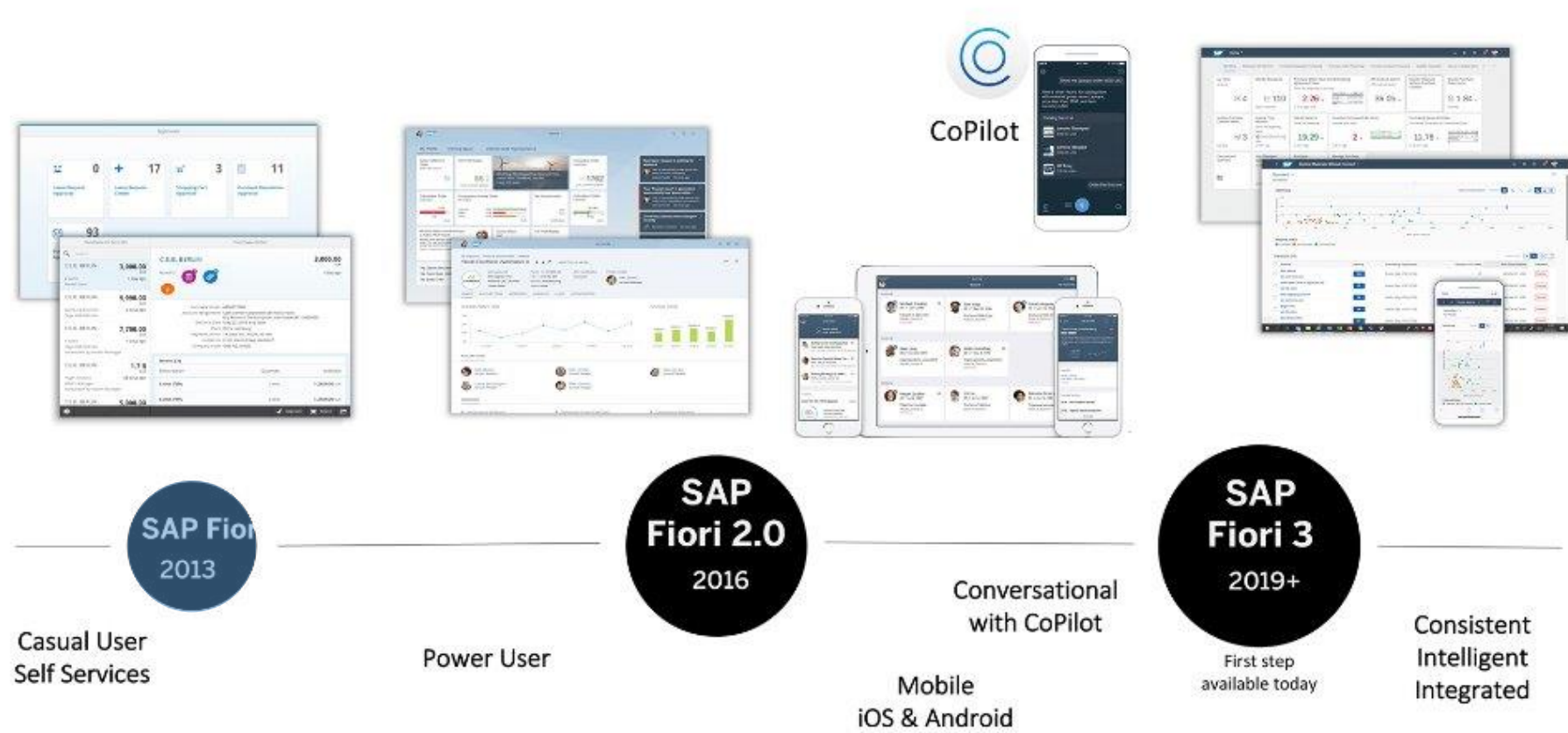


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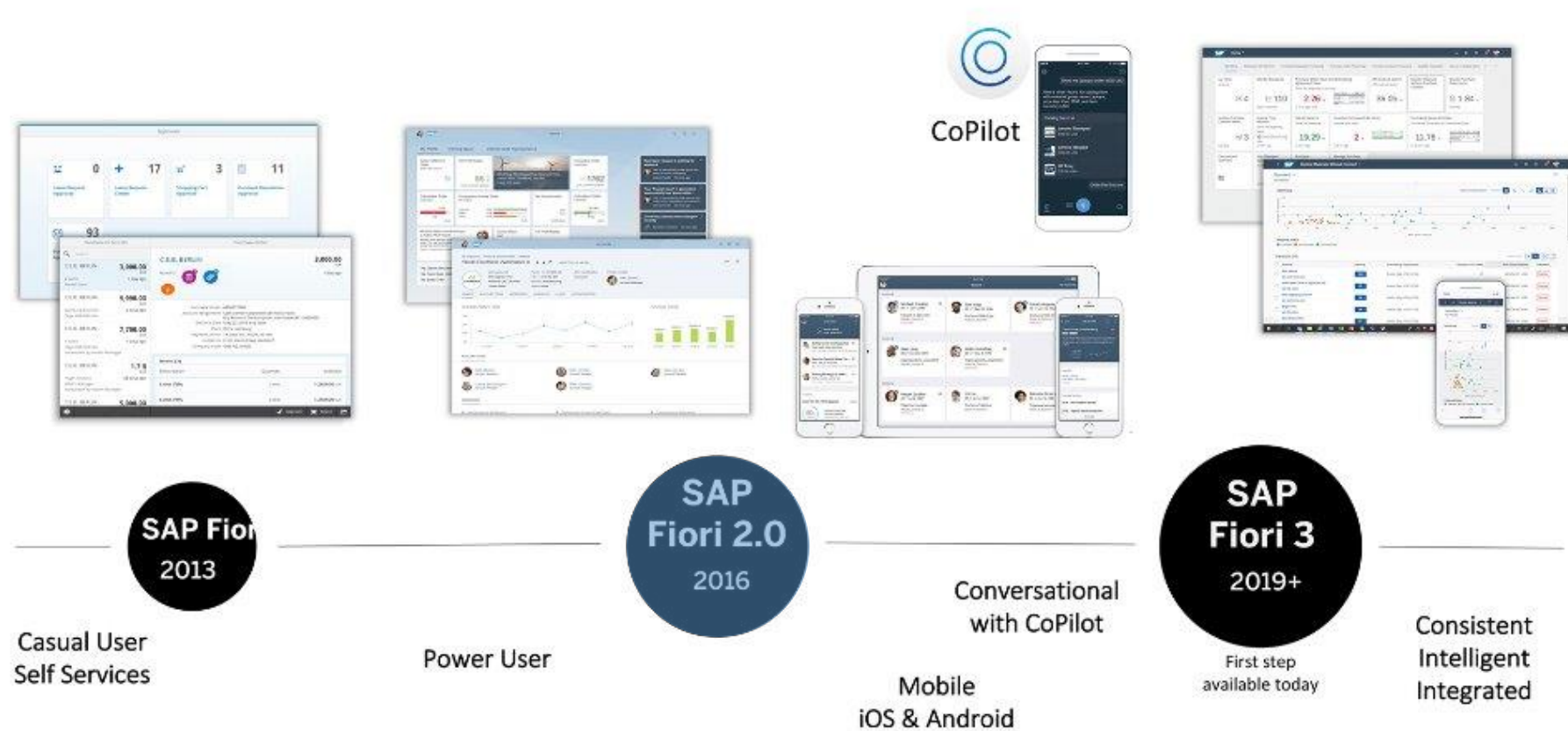


The evolution of SAP Fiori



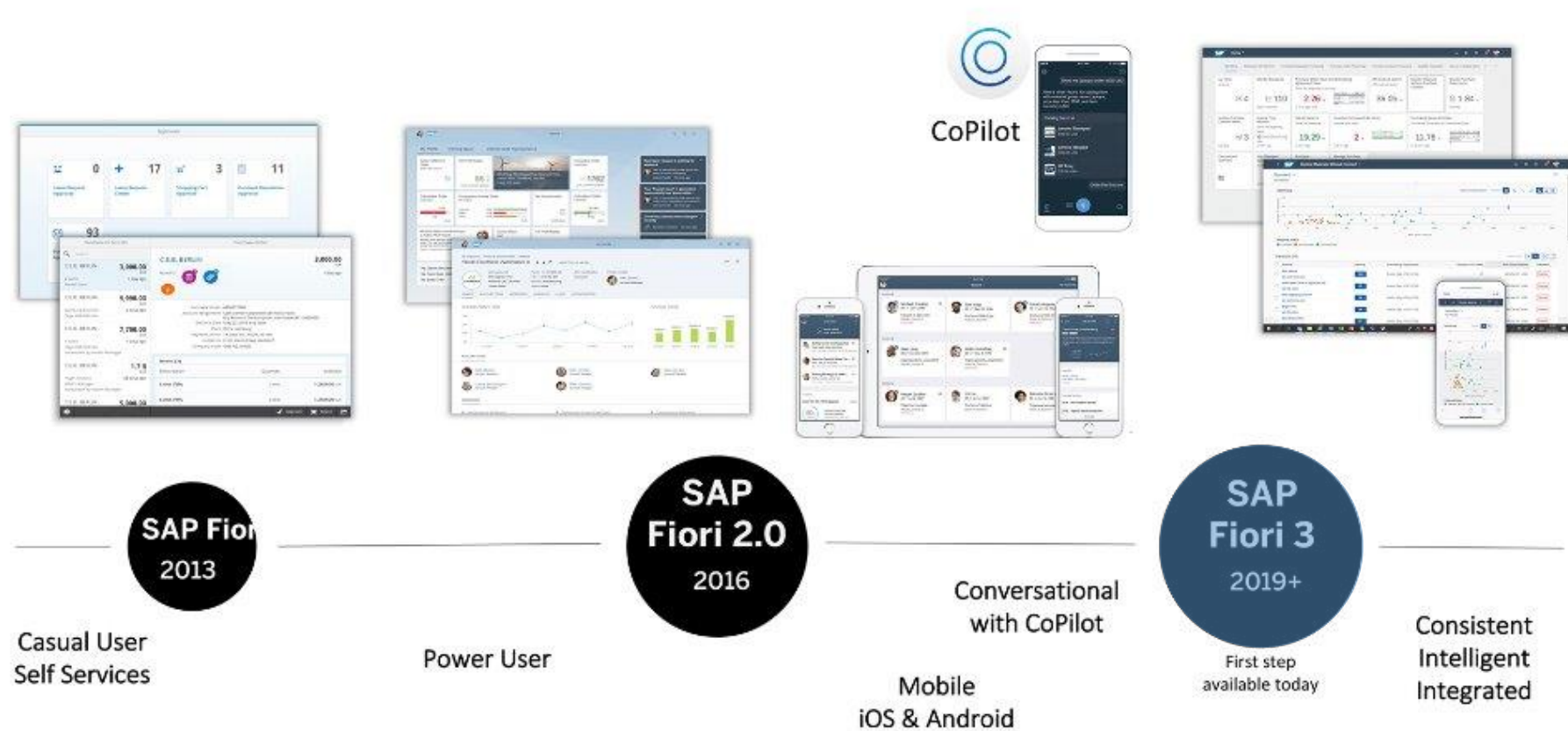
This is the current state of planning and may be changed by SAP at any time without notice.

The evolution of SAP Fiori



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The evolution of SAP Fiori

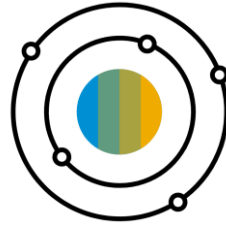


This is the current state of planning and may be changed by SAP at any time without notice.

SAP Fiori Design Principles



Role-based



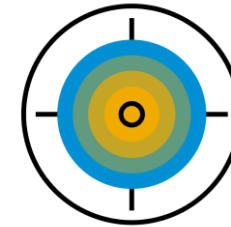
Coherent



Adaptive



Delightful

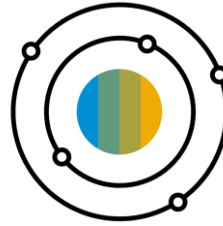


Simple

SAP Fiori Design Principles



Role-based



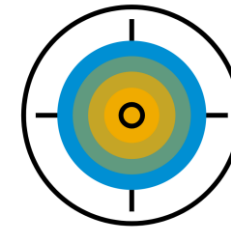
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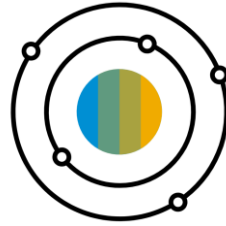


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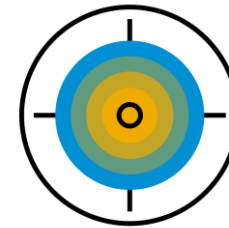
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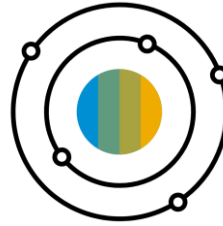


Simple

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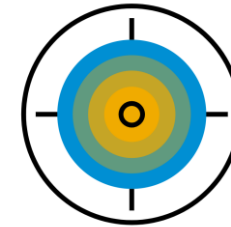
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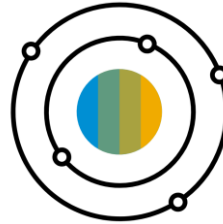


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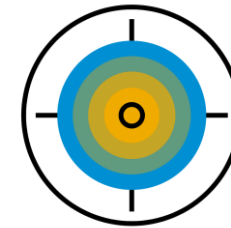
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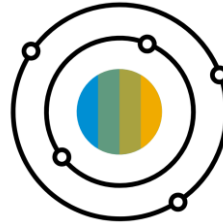


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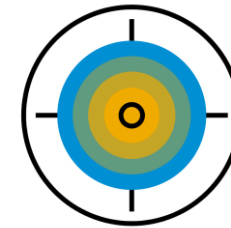
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Adaptive



Delightful



Simple

Benefits

Benefits of SAP Fiori UX and DLD Process

- **Product consistency**
- Cost reduction in front-end development
- Reduction of training costs
- Stimulation of innovation
- Higher level of solution accuracy
- Better productivity
- Fewer Change Requests and user errors



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Solutions we can build with SAP Fiori

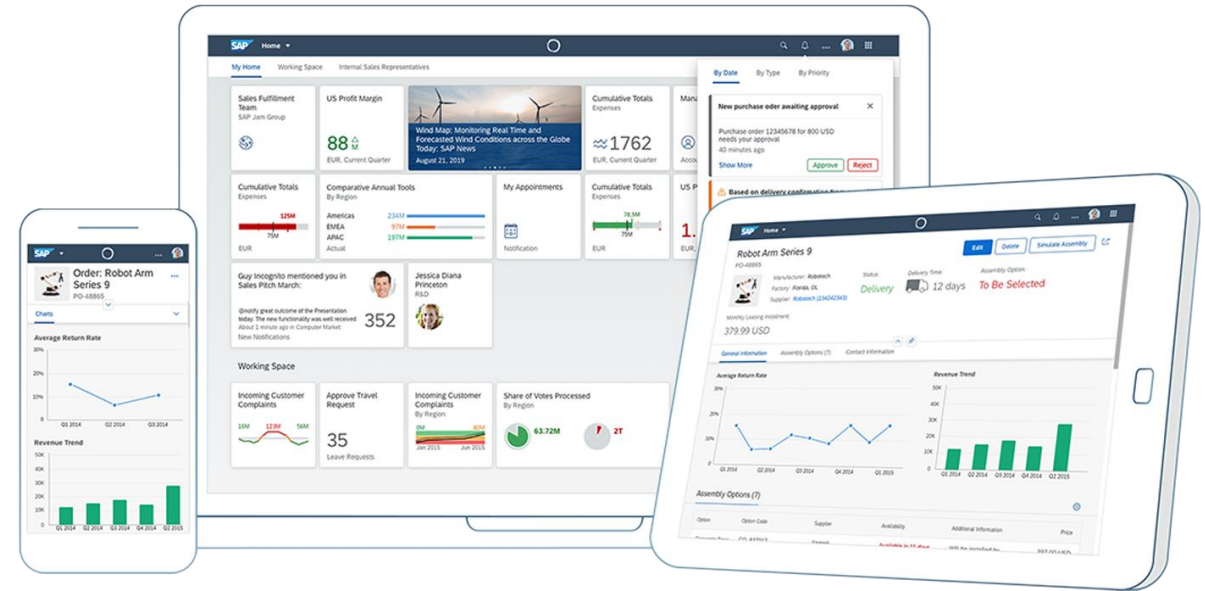
Fiori Possibilities

→ **SAP Fiori for Web:**
Web-Based Desktop or Hybrid Apps

→ **SAP Fiori for Native Mobile:**
Apple iOS and Android

→ **SAP Fiori for Conversational UX:**
Chatbots, Conversational AI (Fiori 3)

→ **Other:**
Internet Of Things and Analytical Apps, Offline Scenarios

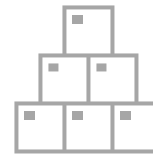


How do we deliver SAP Fiori?

Delivery Options



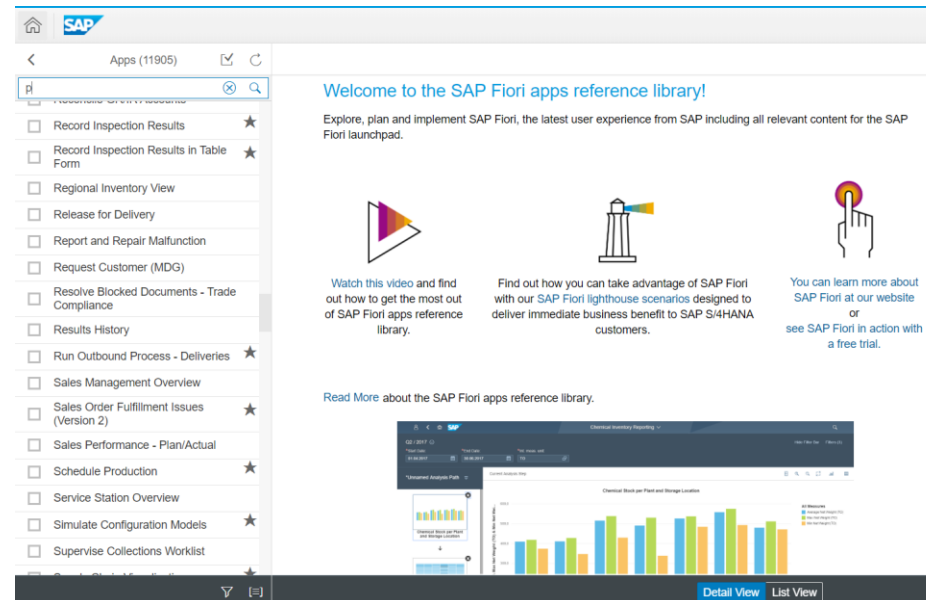
Standard Fiori
Apps Library



Fiori Elements



Freestyle SAPUI5
Development

Welcome to the SAP Fiori apps reference library!

Explore, plan and implement SAP Fiori, the latest user experience from SAP including all relevant content for the SAP Fiori launchpad.

Watch this video and find out how to get the most out of SAP Fiori apps reference library.

Find out how you can take advantage of SAP Fiori with our SAP Fiori lighthouse scenarios designed to deliver immediate business benefit to SAP S/4HANA customers.

You can learn more about SAP Fiori at our website or see SAP Fiori in action with a free trial.

Read More about the SAP Fiori apps reference library.

Chemical Inventory Reporting

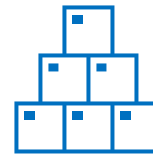
Detail View List View



Delivery Options



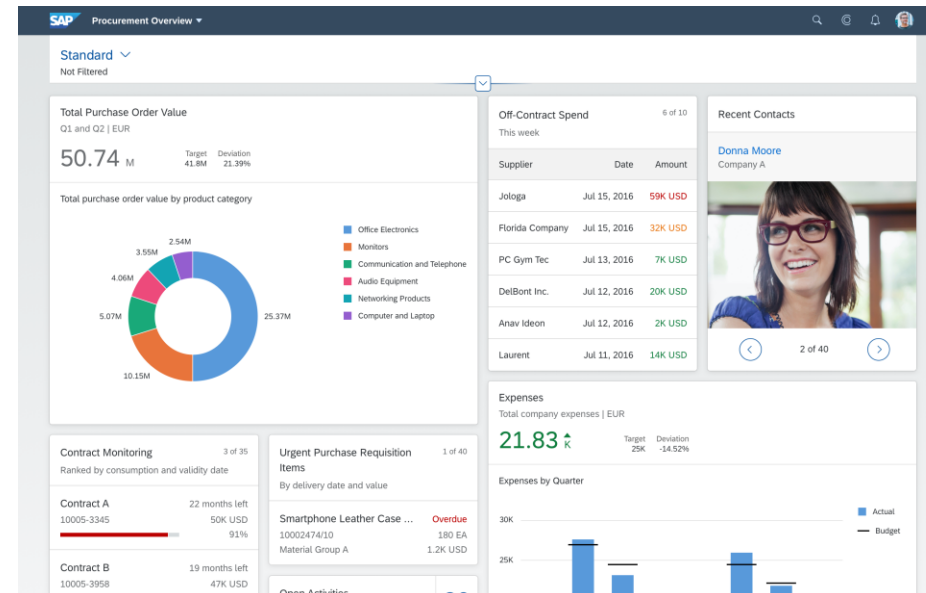
Standard Fiori
Apps Library



Fiori Elements



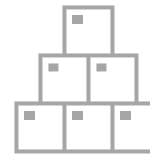
Freestyle SAPUI5
Development



Delivery Options



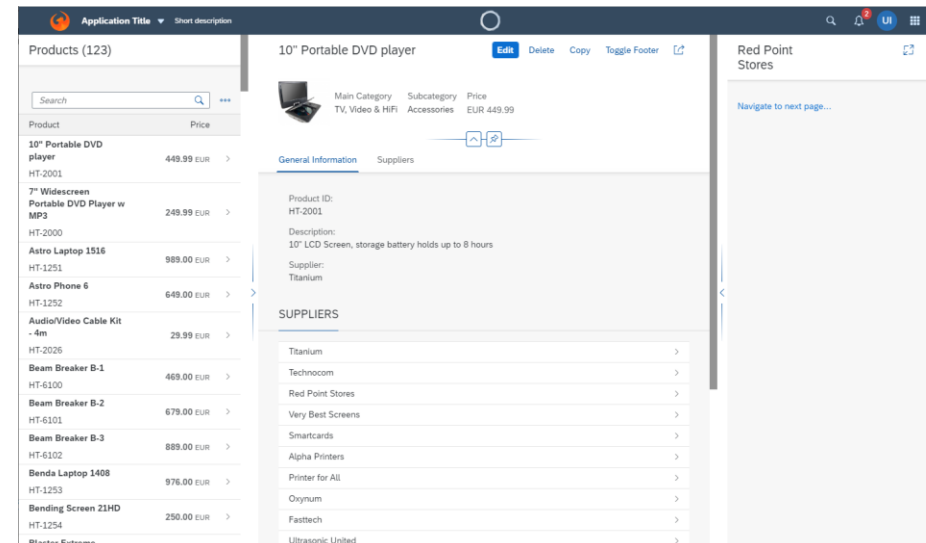
Standard Fiori
Apps Library



Fiori Elements

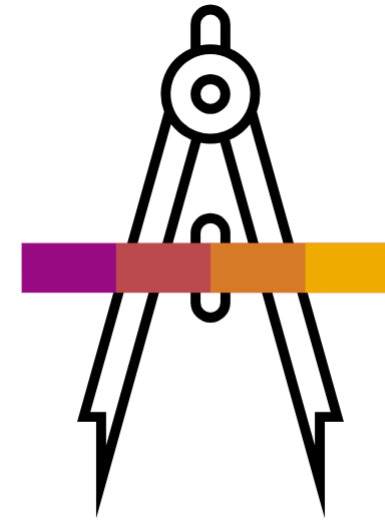


Freestyle SAPUI5
Development



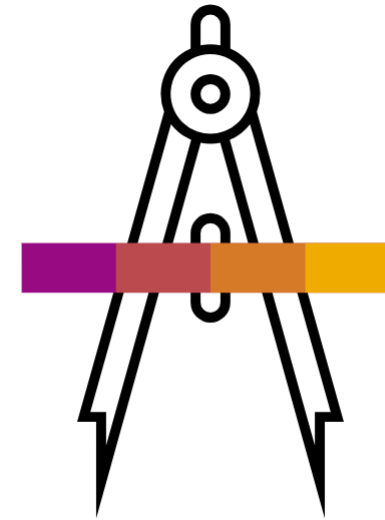
Delivery Tools

- **SAPUI5 Library and SAP Web IDE,**
- SAP Fiori App Templates,
- UI5 Web Components,
- SDK for Android and iOS,
- Theme Designer,
- Neptune DX Platform.



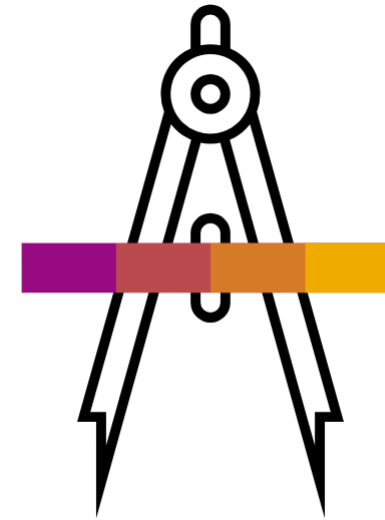
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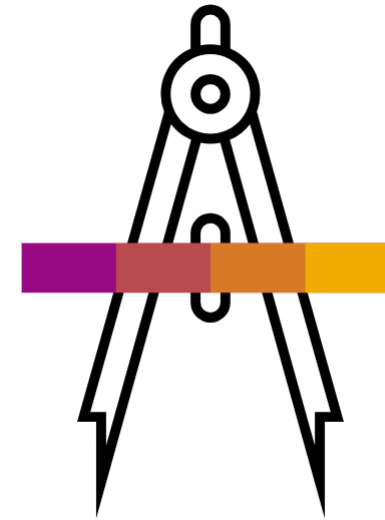
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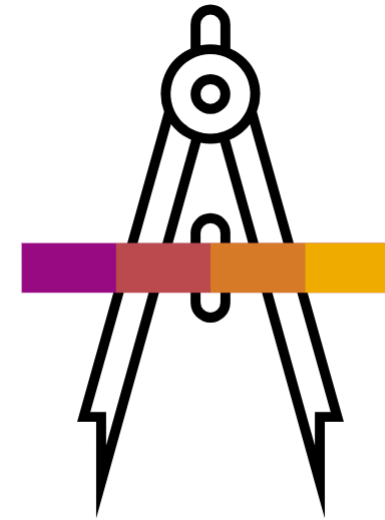
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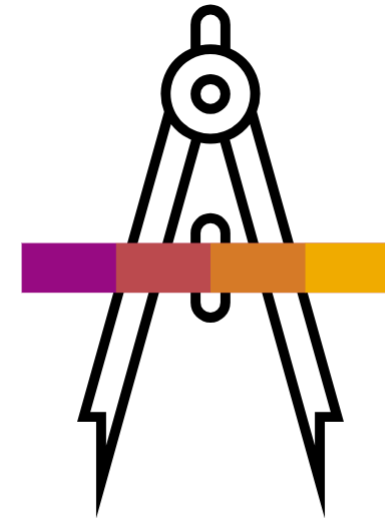
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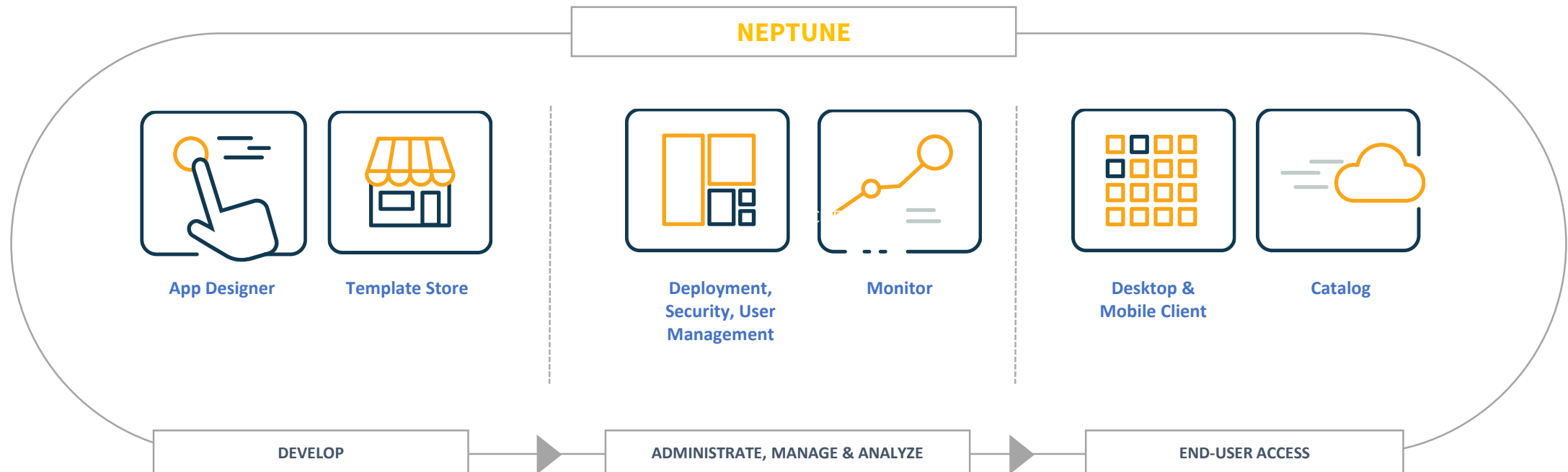
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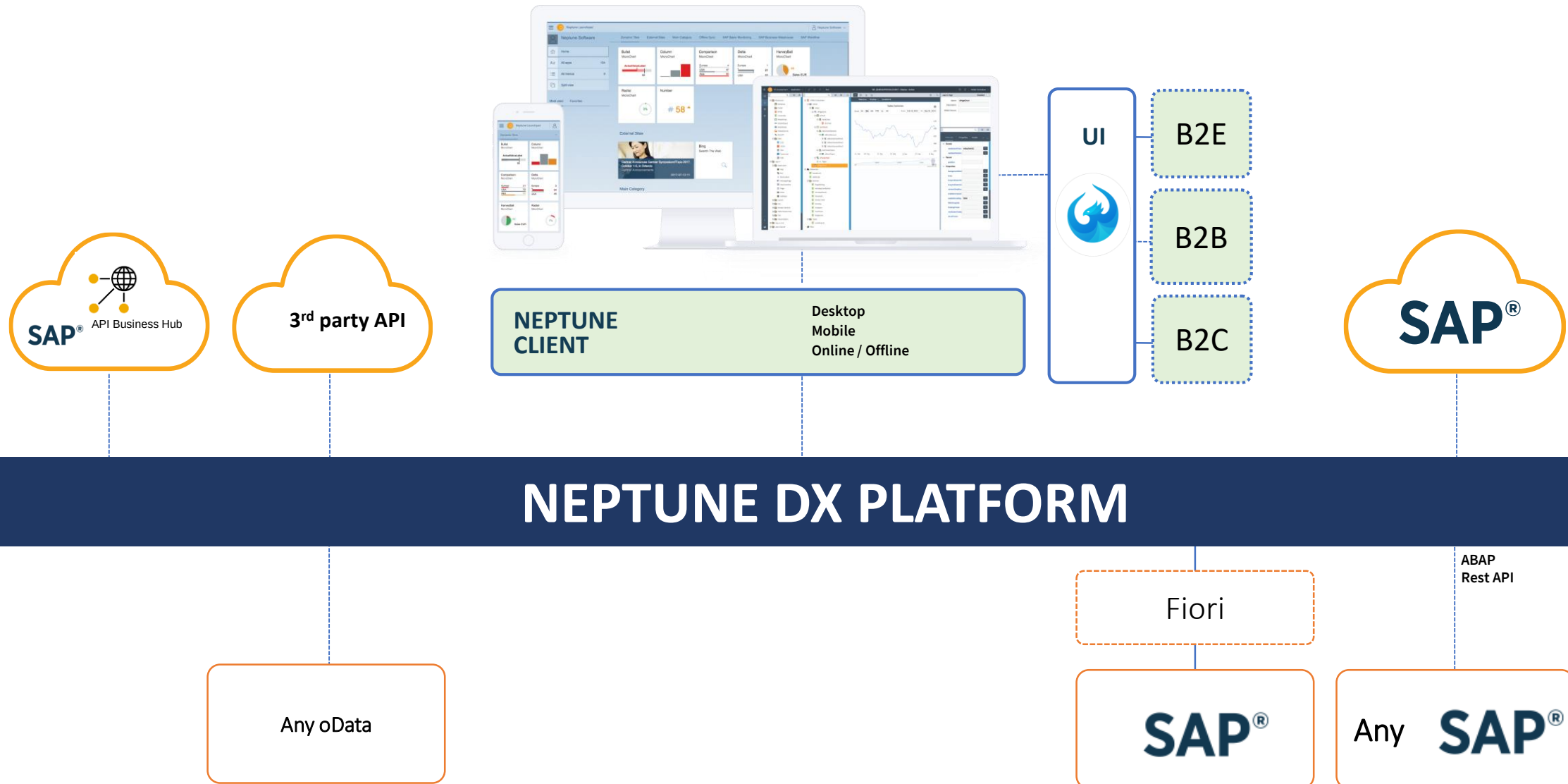


S5 delivers Fiori powered by Neptune

- Rapid Application Development and Management Platform,
- SAP-certified with SAP Netweaver, SAP HANA and S/4HANA,



Neptune delivers unified Fiori UX across entire SAP landscape



What is the future of SAP Fiori UX?

Standard * ▾ 🔗

*Display Currency: 🔗 Supplier: 🔗 Material: 🔗 Material Group: 🔗 Purchasing Category: 🔗 Purchasing Group: 🔗 Purch. Organization: 🔗 Adapt Filters (1) Go

Monitor Purchase Contracts 3 of 4

Sorted by consumption, valid-to date, and target value

Polaris Brakes Inc.	in 1 month	10.0K USD
	82.0	
Polaris Brakes Inc.	in 2 months	1.2K USD
	60.0	
Domestic US Supplier 1	in 11 months	100.0K USD
	0.0	

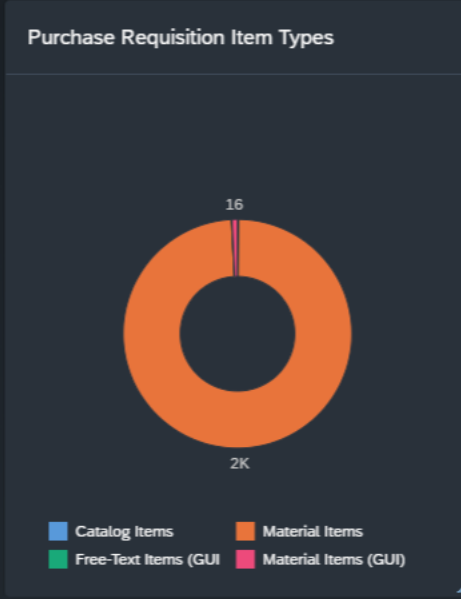


Off-Contract Spend 5 of 28

As % of total spend

By Material Group ▾

\$ 303,083,981.00		303.1M USD	100 %
\$ 153,863,115.57		153.9M USD	100 %
\$ 76,232,992.31		76.2M USD	100 %
\$ 63,428,186.12		63.4M USD	100 %
\$ 58,870,848.52		58.9M USD	100 %



Monitor Purchase Requisition Items 3 of 1330

Sorted by delivery date and value

Open ▾

Lithium Ion Battery 400 Wh ...	3 years ago	100.0 PC
10000393/10		2.4K USD

Monitor Purchase Order Items 5 of 4795

Sorted by delivery date and value

Overdue ▾

Non-Managed Spend 5 of 17

As % of total spend

By Material Group ▾

Monitor RFQs 3 of 4

Sorted by quotation deadline

7000000002	Published
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Purchase Order Items

by Delivery Schedule Date

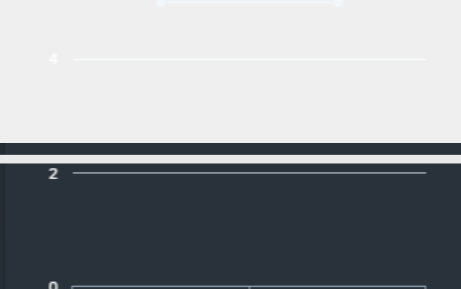
6	
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Trad.Good 10,PD,Third Party	3 years ago
10001128/10	10.0 PC
	129.1 USD
Trad.Good 10,PD,Third Party	3 years ago
10001129/10	10.0 PC
	129.1 USD

Trad.Good 20,Reorder Point...	5 years ago
4500004630/00010	3K USD
Domestic US Supplier 2	230 PC
Trad.Good 13,Reorder Point...	5 years ago
4500004624/00010	2K USD
Domestic US Supplier 2	150 PC

Mountain Bikes	0.0 USD	0 %
Trading Materials	0.0 USD	0 %
Hardware	0.0 USD	0 %

Int. Sourcing Req.	0 USD
7000000004	Published
Copy of	2 weeks ago
Int. Sourcing Req.	0 USD
7000000005	Published
Sourcing1	4 weeks ago
Ext. Sourcing Req.	0 USD



SAP Fiori 3

SAP Fiori 3 Factors



Consistency



Intelligence



Integration

SAP Fiori 3 Factors



Consistency

- Harmonized look and feel,
- Common set of rules applied to all products and solutions.



Intelligence



Integration

SAP Fiori 3 Factors



Consistency



Intelligence

- Intelligent User Guidance and Notifications,
- Conversational UX (Digital Assistant).



Integration

SAP Fiori 3 Factors



Consistency



Intelligence



Integration

- One Environment with access to data across multiple products,
- Seamless and consisted UX.



Solutions delivered by S5 Consulting

Plant Maintenance Master Application

for Aker BP

Plant Maintenance for AkerBP

PM Master App for AkerBP was delivered as a response to the Customer's need for an extensive Plant Maintenance solution. It was designed to provide users with relevant information about Functional Locations, Operations, Work Orders, Spare Parts, Maintenance Items and much more.

This powerful and yet user-friendly Fiori application built in SAPUI5 and based upon SAP S/4 HANA to ensure high-performance and extensibility. This robust Fiori application can be freely customized by users and therefore the plentiful of data from SAP systems can be organised efficiently and digested effectively. Application is equipped with flexible filtering capabilities thus allowing users to find information quickly.

The core team consisted of, among others, Jacek and Adrian, our full-stack Fiori developers based in our office in Wroclaw (Poland), Amadeus, UX Designer and Abhishek - our Senior SAP ABAP developer.

The screenshot displays the SAP EAM Master App interface. The top navigation bar includes 'EAM Master App' and various tabs: 'Functional Location Info', 'Notifications', 'Work Orders', 'Operations', 'Spare Parts (BOM)', and 'Maintenance Items'. The main view shows a list of Functional Locations under the filter 'pedestal'. A detailed view of IAA-73MA0001 - PEDESTAL CRANE (98) is shown, including General Information, Responsibilities, Characteristics, BOM, Maintenance Items, Measuring Readings, and Document. A pop-up window displays detailed information for a specific work order, including Order, Barrier, CRW, Description, Type, Priority, System, Condition, Creation Date, Created By, SSD Code, Material Availability Date, Offshore Status, Planner Group, Main Work Center, Total Actual Work, Total Planned, Revision, Revision Type, Revision Status, Isolation, Work Permit, User Status, and System Status.

Plant Maintenance Master Application

Make data easily accessible

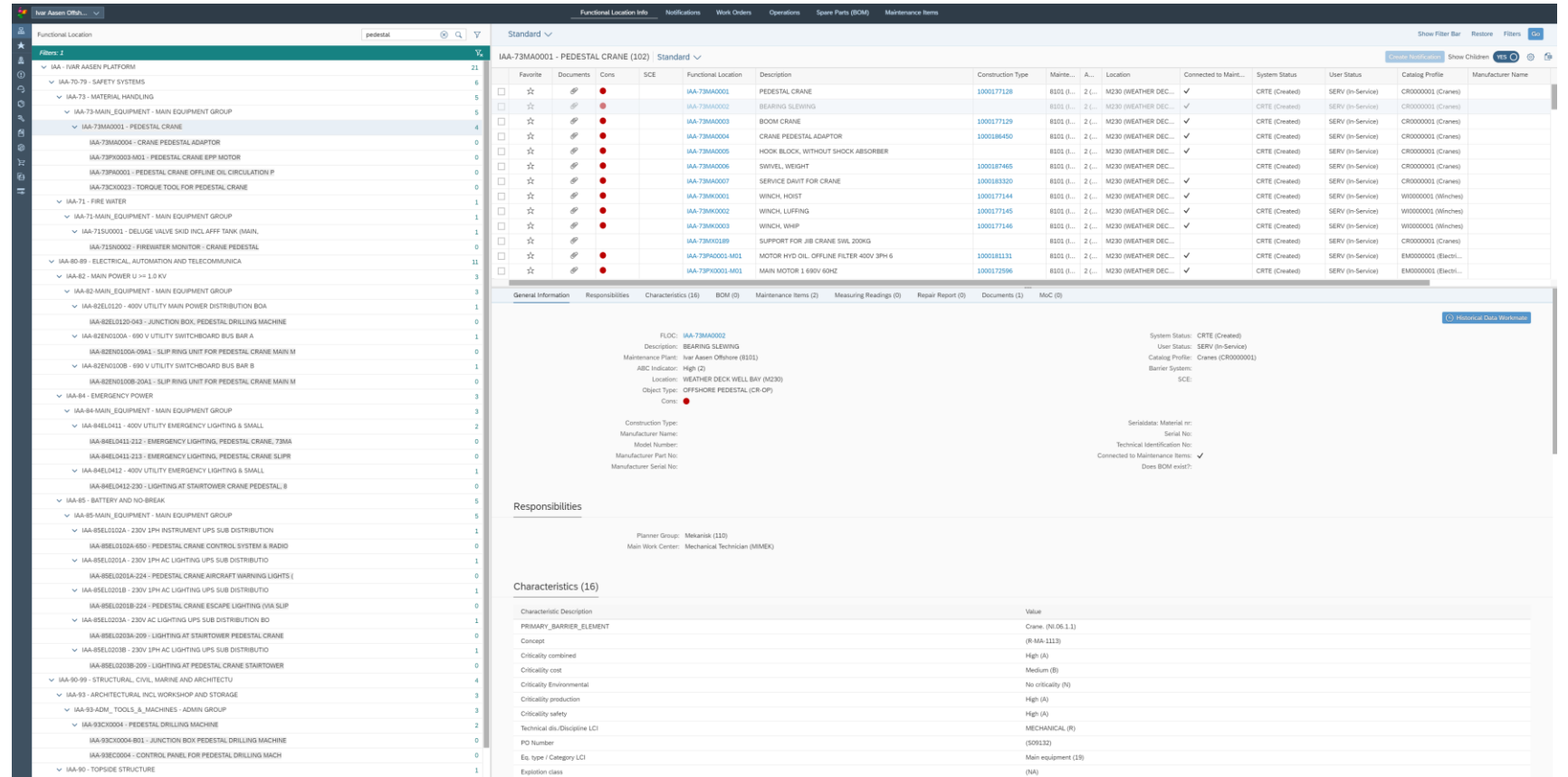
Collects data from 15+ SAP GUI PM transactions
into one integrated Fiori Application

Fast and smart search

- Fuzzy search
- Smart linkage of data
- Reduce time spent 50-90%

All data together:

- Functional Locations
- Notifications
- Work Orders
- Operations
- Maintenance Items
- Materials
- Purchase Orders
- Purchase Requisitions
- Measure Readings



The screenshot displays the Plant Maintenance Master Application interface. On the left, a hierarchical tree shows functional locations under 'IAA-73MA0001 - PEDESTAL CRANE'. The main area on the right shows a detailed view of the 'IAA-73MA0001 - PEDESTAL CRANE (102)' with a table of maintenance items. Below the table, there are sections for 'General Information', 'Responsibilities', and 'Characteristics (16)'.

Favorite	Documents	Cons	SCE	Functional Location	Description	Construction Type	Maint...	A...	Location	Connected to Maint...	System Status	User Status	Catalog Profile	Manufacturer Name
☐				IAA-73MA0001	PEDESTAL CRANE	1000177128	8101 (1...	2 (...)	M230 (WEATHER DEC...	✓	CRTE (Created)	SERV (In-Service)	CR0000001 (Cranes)	
☐				IAA-73MA0002	BEARING SLEWING	1000177129	8101 (1...	2 (...)	M230 (WEATHER DEC...	✓	CRTE (Created)	SERV (In-Service)	CR0000001 (Cranes)	
☐				IAA-73MA0003	BOOM CRANE	1000186450	8101 (1...	2 (...)	M230 (WEATHER DEC...	✓	CRTE (Created)	SERV (In-Service)	CR0000001 (Cranes)	
☐				IAA-73MA0004	CRANE PEDESTAL ADAPTOR	1000186450	8101 (1...	2 (...)	M230 (WEATHER DEC...	✓	CRTE (Created)	SERV (In-Service)	CR0000001 (Cranes)	
☐				IAA-73MA0005	HOOK BLOCK, WITHOUT SHOCK ABSORBER	1000186450	8101 (1...	2 (...)	M230 (WEATHER DEC...	✓	CRTE (Created)	SERV (In-Service)	CR0000001 (Cranes)	
☐				IAA-73MA0006	SWIVEL WEIGHT	1000187465	8101 (1...	2 (...)	M230 (WEATHER DEC...	✓	CRTE (Created)	SERV (In-Service)	CR0000001 (Cranes)	
☐				IAA-73MA0007	SERVICE DAVIT FOR CRANE	1000183320	8101 (1...	2 (...)	M230 (WEATHER DEC...	✓	CRTE (Created)	SERV (In-Service)	CR0000001 (Cranes)	
☐				IAA-73MA0001	WINCH, HOIST	1000177144	8101 (1...	2 (...)	M230 (WEATHER DEC...	✓	CRTE (Created)	SERV (In-Service)	W10000001 (Winches)	
☐				IAA-73MA0002	WINCH, LUFFING	1000177145	8101 (1...	2 (...)	M230 (WEATHER DEC...	✓	CRTE (Created)	SERV (In-Service)	W10000001 (Winches)	
☐				IAA-73MA0003	WINCH, WHIP	1000177146	8101 (1...	2 (...)	M230 (WEATHER DEC...	✓	CRTE (Created)	SERV (In-Service)	W10000001 (Winches)	
☐				IAA-73MA0003	SUPPORT FOR JIB CRANE SWL 200KG	1000181131	8101 (1...	2 (...)	M230 (WEATHER DEC...	✓	CRTE (Created)	SERV (In-Service)	CR0000001 (Cranes)	
☐				IAA-73MA0001-M01	MOTOR HYD OIL, OFFLINE FILTER 400V 3PH 6	1000181131	8101 (1...	2 (...)	M230 (WEATHER DEC...	✓	CRTE (Created)	SERV (In-Service)	EM0000001 (Electr...	
☐				IAA-73MA0001-M01	MAIN MOTOR 1 630V 60HZ	1000172596	8101 (1...	2 (...)	M230 (WEATHER DEC...	✓	CRTE (Created)	SERV (In-Service)	EM0000001 (Electr...	

General Information

FLOC: IAA-73MA0002
Description: BEARING SLEWING
Maintenance Plant: IAA-73MA0001 (B001)
ABC Indicator: High (2)
Location: WEATHER DECK WELL BAY (M230)
Object Type: OFFSHORE PEDESTAL (CR-OP)
Cons:

Responsibilities

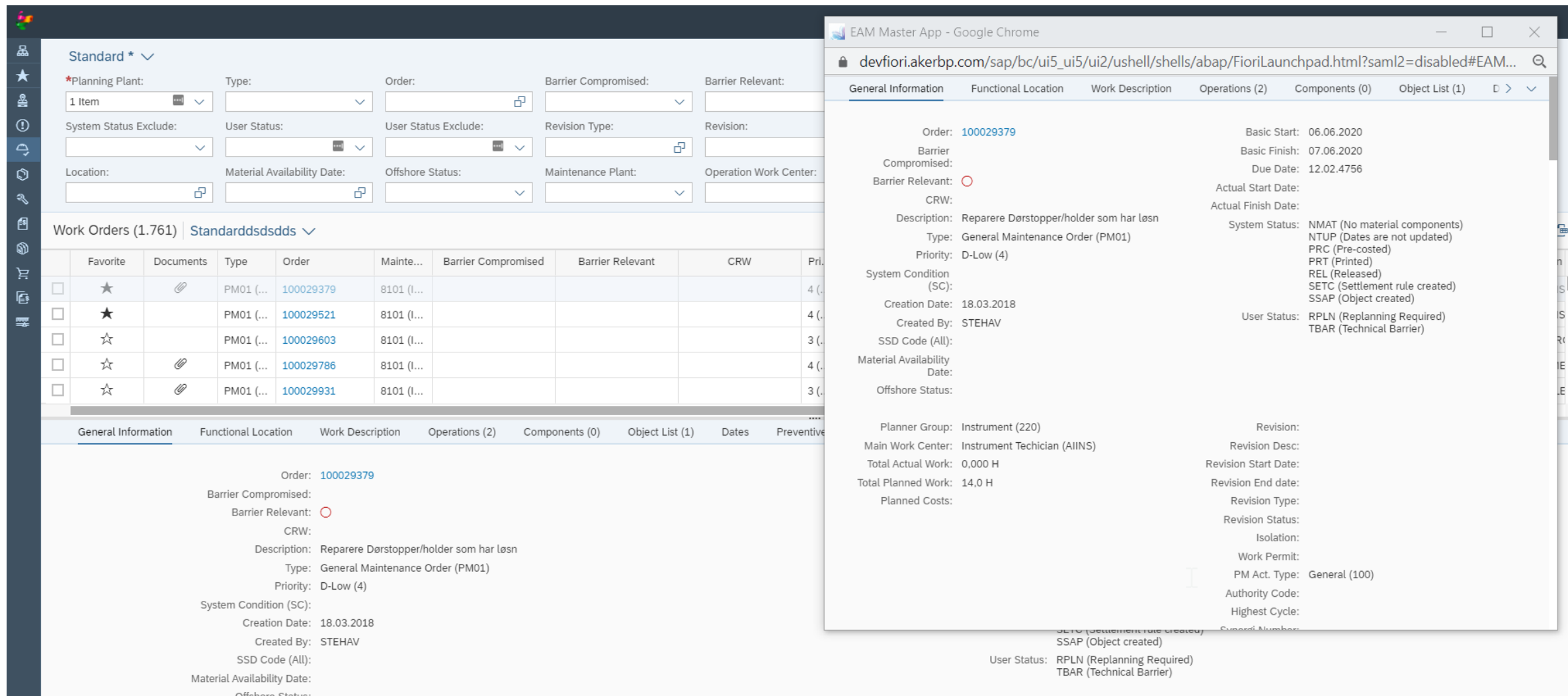
Planner Group: Mechanik (112)
Main Work Center: Mechanik Techniker (MMK)

Characteristics (16)

Characteristic Description	Value
PRIMARY_BARRIER_ELEMENT	Crane (N1.06.1.1)
Concept	(R-MA-1113)
Criticality combined	High (A)
Criticality cost	Medium (B)
Criticality Environmental	No criticality (N)
Criticality production	High (A)
Criticality safety	High (A)
Technical dis./discipline LCI	MECHANICAL (R)
PO Number	(505132)
Eq. type / Category LCI	Main equipment (19)
Expiration class	(NA)

Smart navigation

Choose to browse through data by hierarchical tree or general reports. Open specific object in separate window and save it for later.



The screenshot displays the SAP EAM Master App interface. On the left, a sidebar contains navigation icons. The main area shows a list of work orders under the heading "Work Orders (1.761)". The list includes columns for Favorite, Documents, Type, Order, Maintenance, Barrier Compromised, Barrier Relevant, and CRW. Below the list, a detailed view of a specific work order is shown, including fields for Order, Barrier Compromised, Barrier Relevant, CRW, Description, Type, Priority, System Condition (SC), Creation Date, Created By, SSD Code (All), Material Availability Date, Offshore Status, Planner Group, Main Work Center, Total Actual Work, Total Planned Work, Planned Costs, Revision, Revision Desc, Revision Start Date, Revision End date, Revision Type, Revision Status, Isolation, Work Permit, PM Act. Type, Authority Code, and Highest Cycle.

Work Orders (1.761)

	Favorite	Documents	Type	Order	Mainte...	Barrier Compromised	Barrier Relevant	CRW	Pri.
☐	★		PM01 (...)	100029379	8101 (I...				4 (.
☐	★		PM01 (...)	100029521	8101 (I...				4 (.
☐	☆		PM01 (...)	100029603	8101 (I...				3 (.
☐	☆		PM01 (...)	100029786	8101 (I...				4 (.
☐	☆		PM01 (...)	100029931	8101 (I...				3 (.

General Information

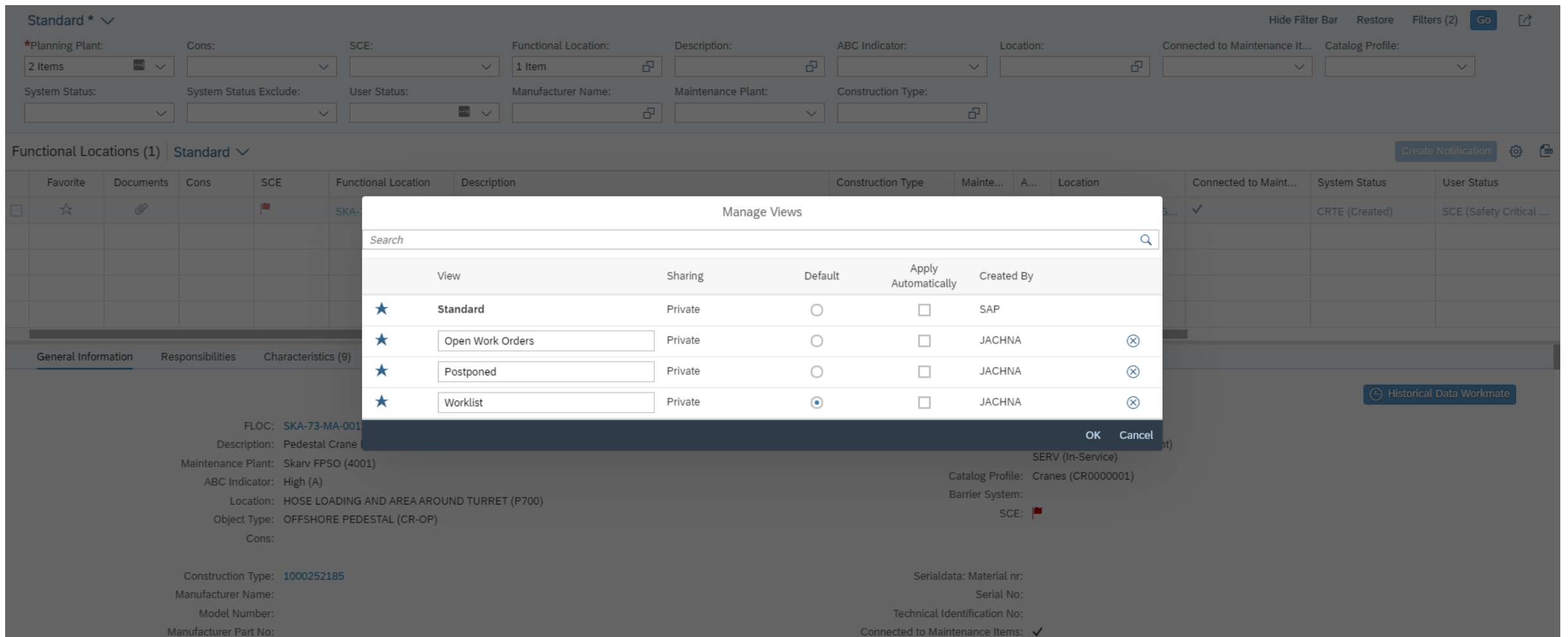
Order: [100029379](#)
Barrier Compromised:
Barrier Relevant:
CRW:
Description: Reparere Dørstopper/holder som har løsn
Type: General Maintenance Order (PM01)
Priority: D-Low (4)
System Condition (SC):
Creation Date: 18.03.2018
Created By: STEHAV
SSD Code (All):
Material Availability Date:
Offshore Status:

Planner Group: Instrument (220)
Main Work Center: Instrument Technician (AIINS)
Total Actual Work: 0,000 H
Total Planned Work: 14,0 H
Planned Costs:

Revision:
Revision Desc:
Revision Start Date:
Revision End date:
Revision Type:
Revision Status:
Isolation:
Work Permit:
PM Act. Type: General (100)
Authority Code:
Highest Cycle:

Save as a variant and share it with your colleagues

Save current collection as a variant. Both filter and grid section are fully customizable – filter and look for nearly 100 fields for each asset. Share predefined variant with your colleagues. Save them as a tile in Fiori Launchpad as well.



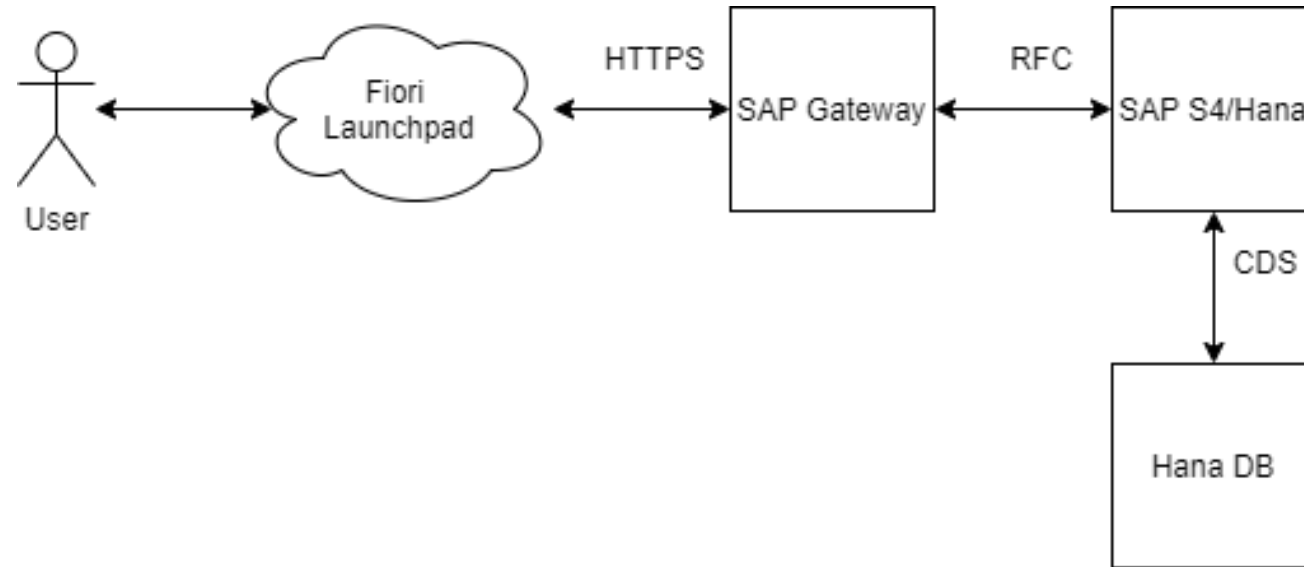
The screenshot shows the 'Manage Views' dialog box in the SAP S/4HANA Fiori interface. The dialog is overlaid on a background of filter and grid sections. The filter section at the top includes fields for Planning Plant, Cons, SCE, Functional Location, Description, ABC Indicator, Location, Connected to Maintenance It..., and Catalog Profile. The grid section below shows a table with columns for Favorite, Documents, Cons, SCE, Functional Location, Description, Construction Type, Maintenance Plant, Location, Connected to Maintenance It..., System Status, and User Status. The 'Manage Views' dialog box has a search bar and a table with columns: View, Sharing, Default, Apply Automatically, and Created By. The table lists four views: Standard, Open Work Orders, Postponed, and Worklist. The 'Worklist' view is selected as the default.

View	Sharing	Default	Apply Automatically	Created By
★ Standard	Private	☐	☐	SAP
★ Open Work Orders	Private	☐	☐	JACHNA
★ Postponed	Private	☐	☐	JACHNA
★ Worklist	Private	☒	☐	JACHNA

OK Cancel

Architecture

Embedded Fiori implementation to S4/HANA system



Frontend development

SAPUI5 with Fiori UX Design Guidelines

Application was made with use of SAPUI5 framework. We used Smart Controls, which allowed us to prepare fully functional Fiori UX in very efficient way. SAP WebIDE, GIT and JIRA gave us tools to collaborate efficiently.



Backend development

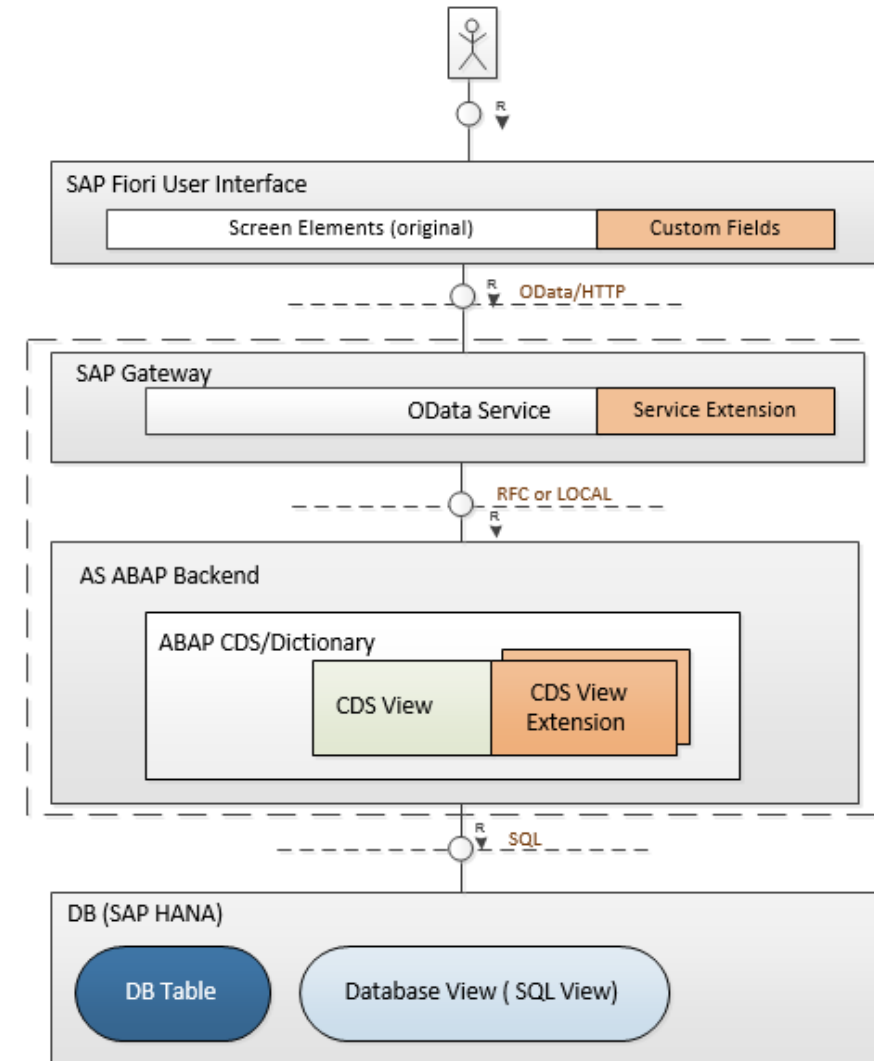
Newest standards

We used CDS Views (Core Data Services) for backend development.

Together with UI annotations we introduced rapid development for Fiori app implementation.

Benefits:

- Rapid development
- Reliable
- Fuzzy search
- Annotations



Live demo

[LINK](#)

Plant Maintenance Mobile Apps

for Aker BP

Mobilize SAP Plant Maintenance

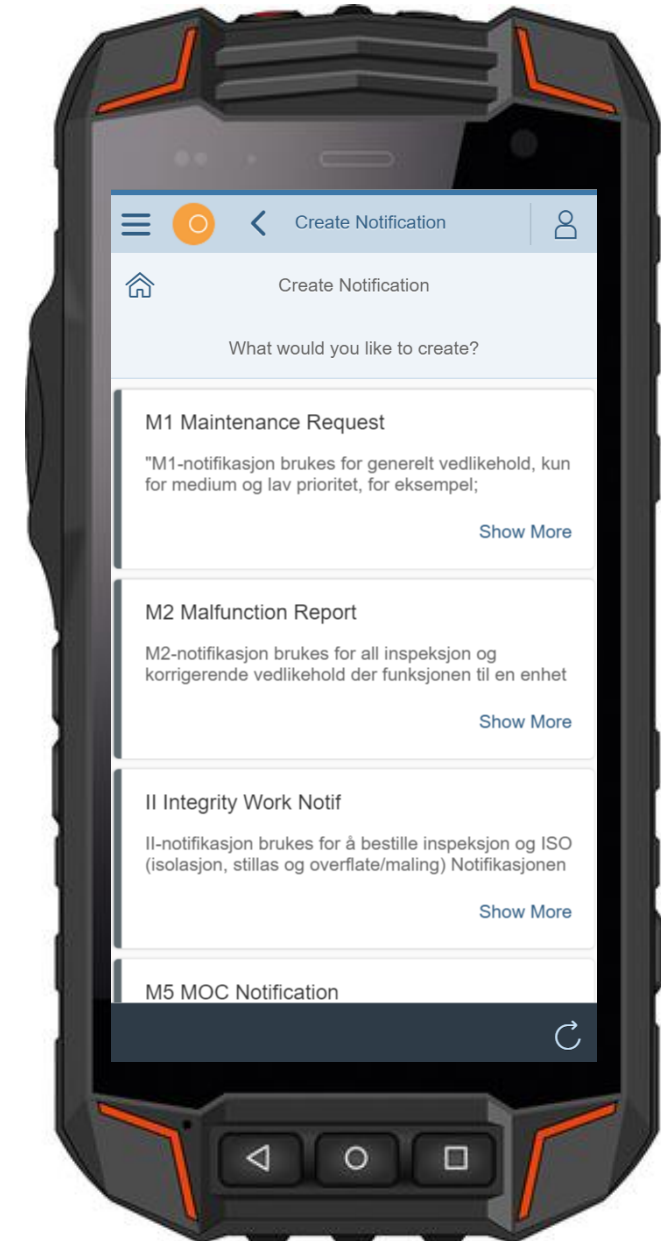
with Neptune Fiori apps

Goal

Enable maintenance workers to enter and access SAP PM directly from anywhere, even without network coverage.

Solution

- Mobile-first, friendly UX
- OCR for data filtering
- Camera & Video Capture
- Voice Input







Thank you.

Ask us anything!