



Consulting

Sveinung Gehrken, CEO
Stian Windsland, SAP Løsningsarkitekt

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

S5 Consulting

- 27 Consultants
 - 3 offices in 2 countries – HQ in Lysaker, offices in Stavanger and Poland (Wrocław)
- S5 Partners
 - Consulting partners (Competence, Capacity, Costs)
 - Technology and Packaged Solutions (retail, logistics, EAM, tools, HW)

SAP® Recognized Expertise
User Experience

Technology partners

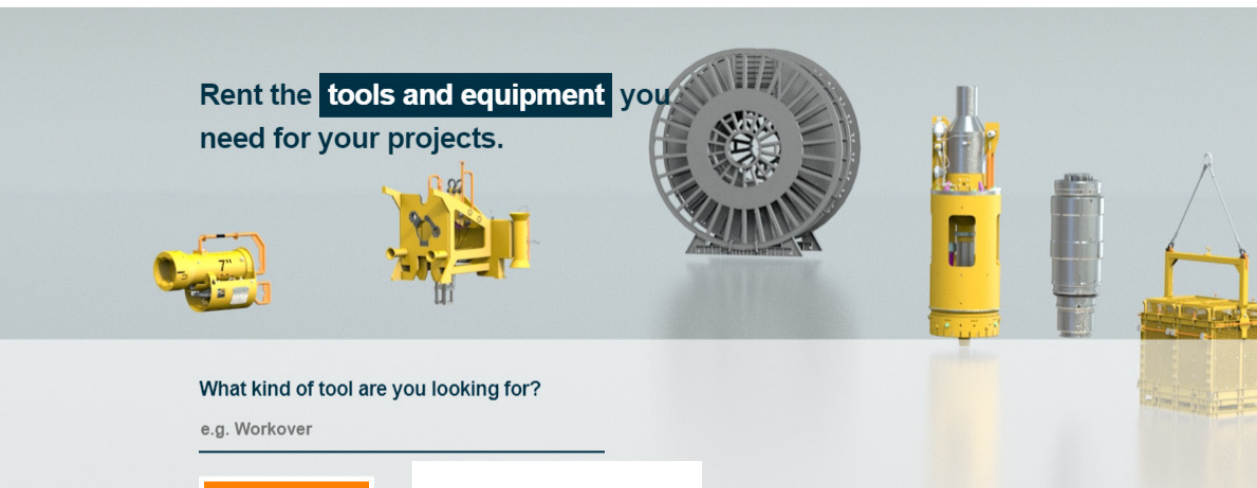


Consulting partners





Our SAP industry experience within EAM



Statkraft



ConocoPhillips



aibel



THE SITUATION.



THE SITUATION.

**Increasing
wrenchtime**

Increase MTBF

Increase OEE

**Drive cost of
maintenance down**

**Increase Uptime plus reliability
and predictability**

**Save spareparts
save miles**

**Better, faster and precise data
where and when you need it**

THE SITUATION.

Support your maintenance strategy with one product

Mobile Work Order is ready out of the box but is created to grow with your progress & resources.

2BM Software's goal is to remove IT related complexity and to let Business set the agenda and IT have the insight to support.

SAP STANDARD TECHNOLOGY

BASICS FIRST

- Learning new ways of working
- Design thinking
- Bring in standard products
- Remove complexity via tested UI/UX

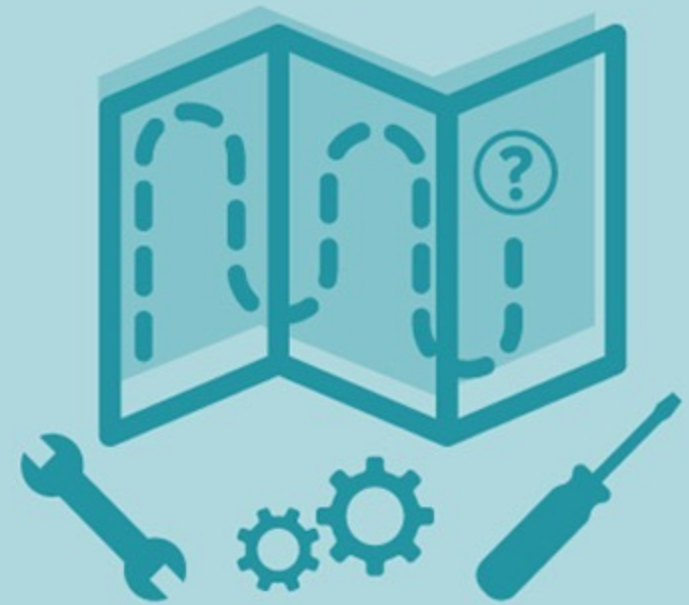
Stick to standards

- No complicated middleware
- Offline
- Map
- Annotation of pictures
- Work Order flows
- Notification flows
- Your existing processes 1:1 in the app
- SAP STANDARDS and TECHNOLOGY 100 %



OFF THE SHELF SOFTWARE

VS



CUSTOM SOFTWARE

Integration vs. Interfacing

Integration:

Reuse, not re-create

If you really want integration and not just interfacing, the products (systems) have to be engineered that way

Interfacing:

Prevents change

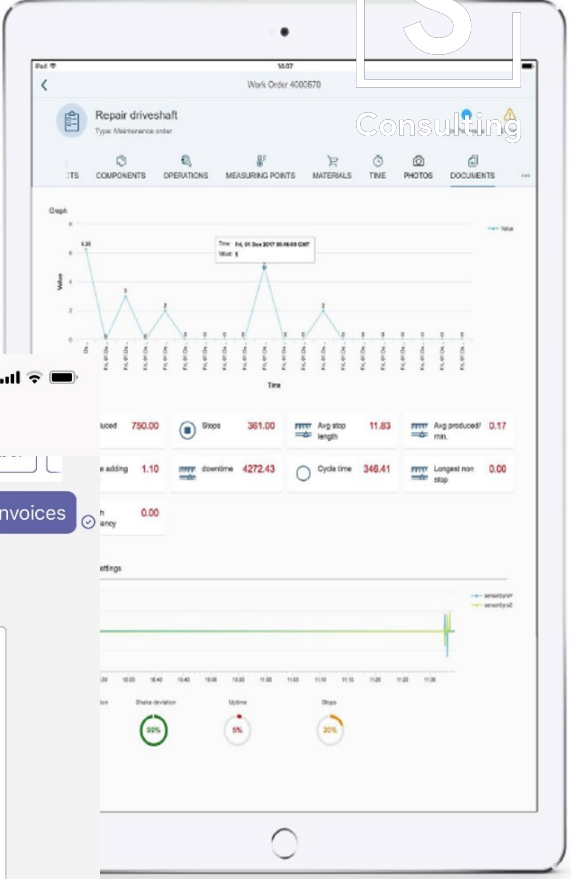
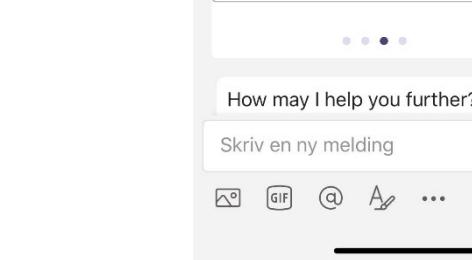
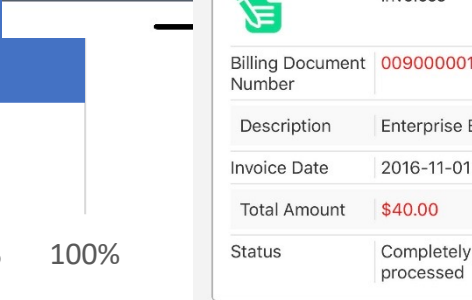
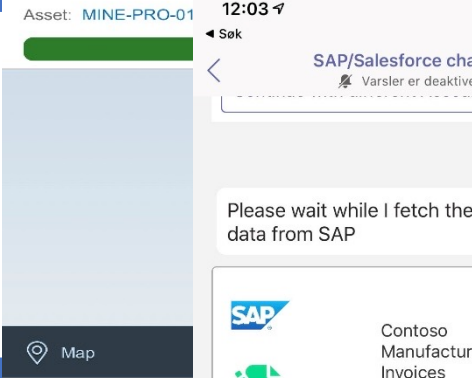
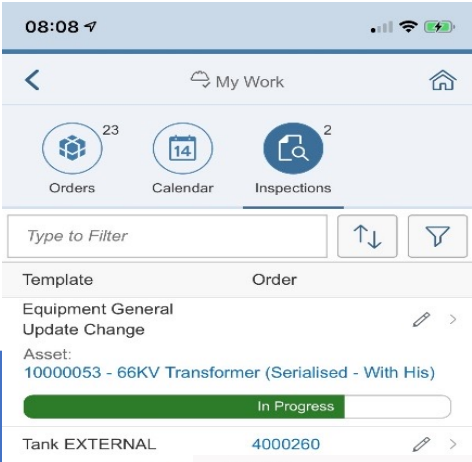
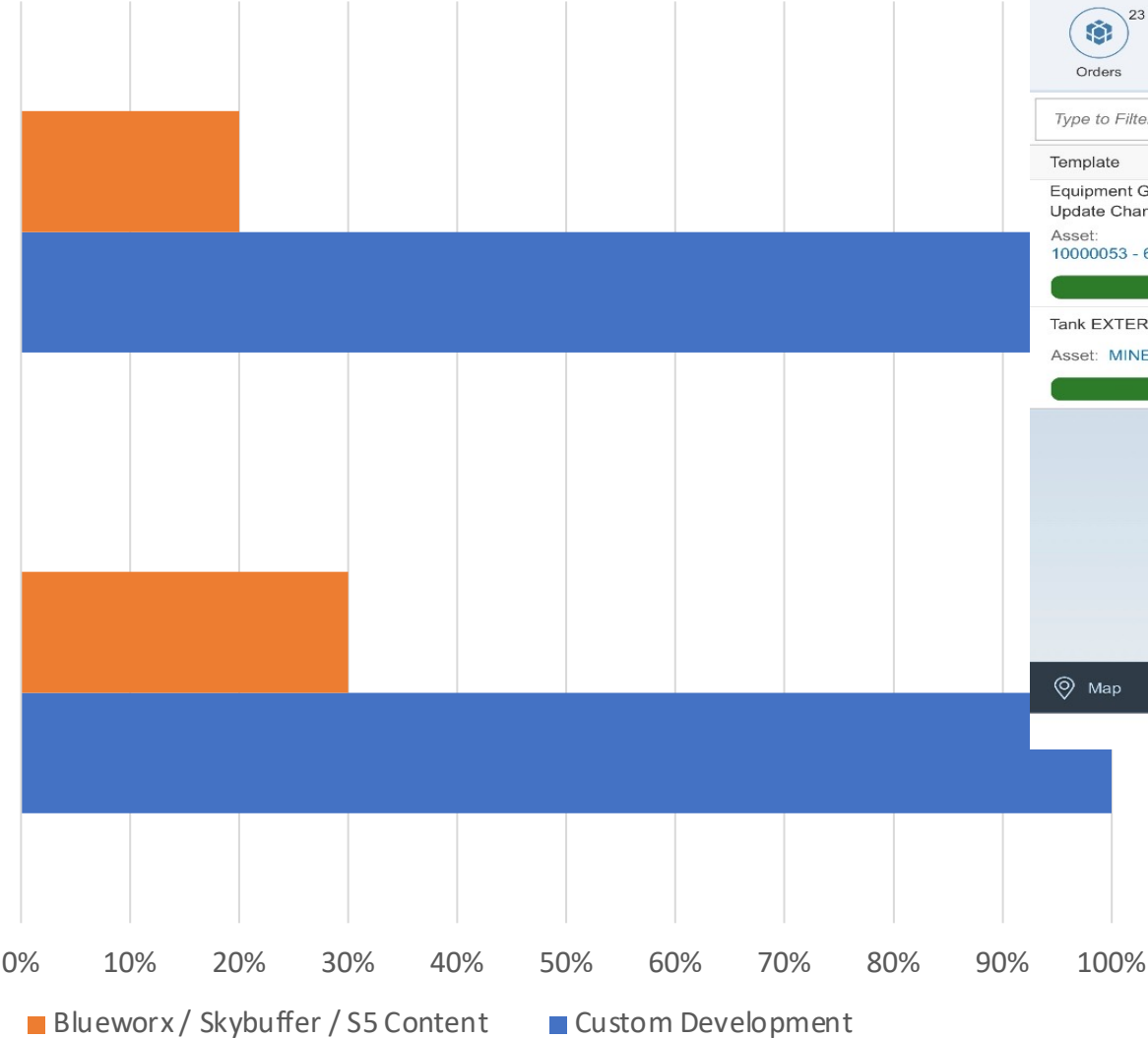
Increases costs

Interfacing is a short term strategy, not a long term solution

Drastically Decreased Costs and Time

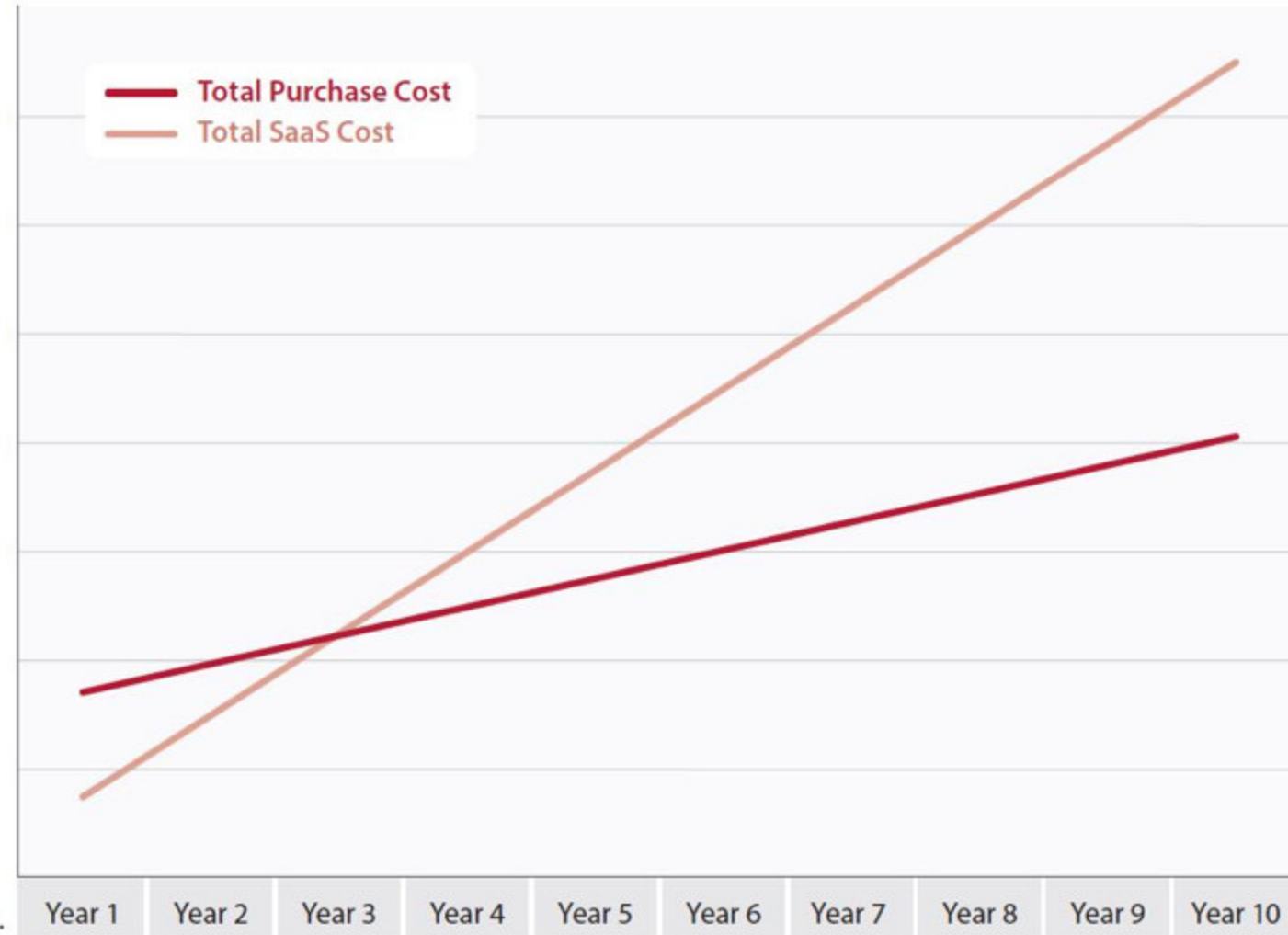
Implementation Time

Implementation Costs



S⁵

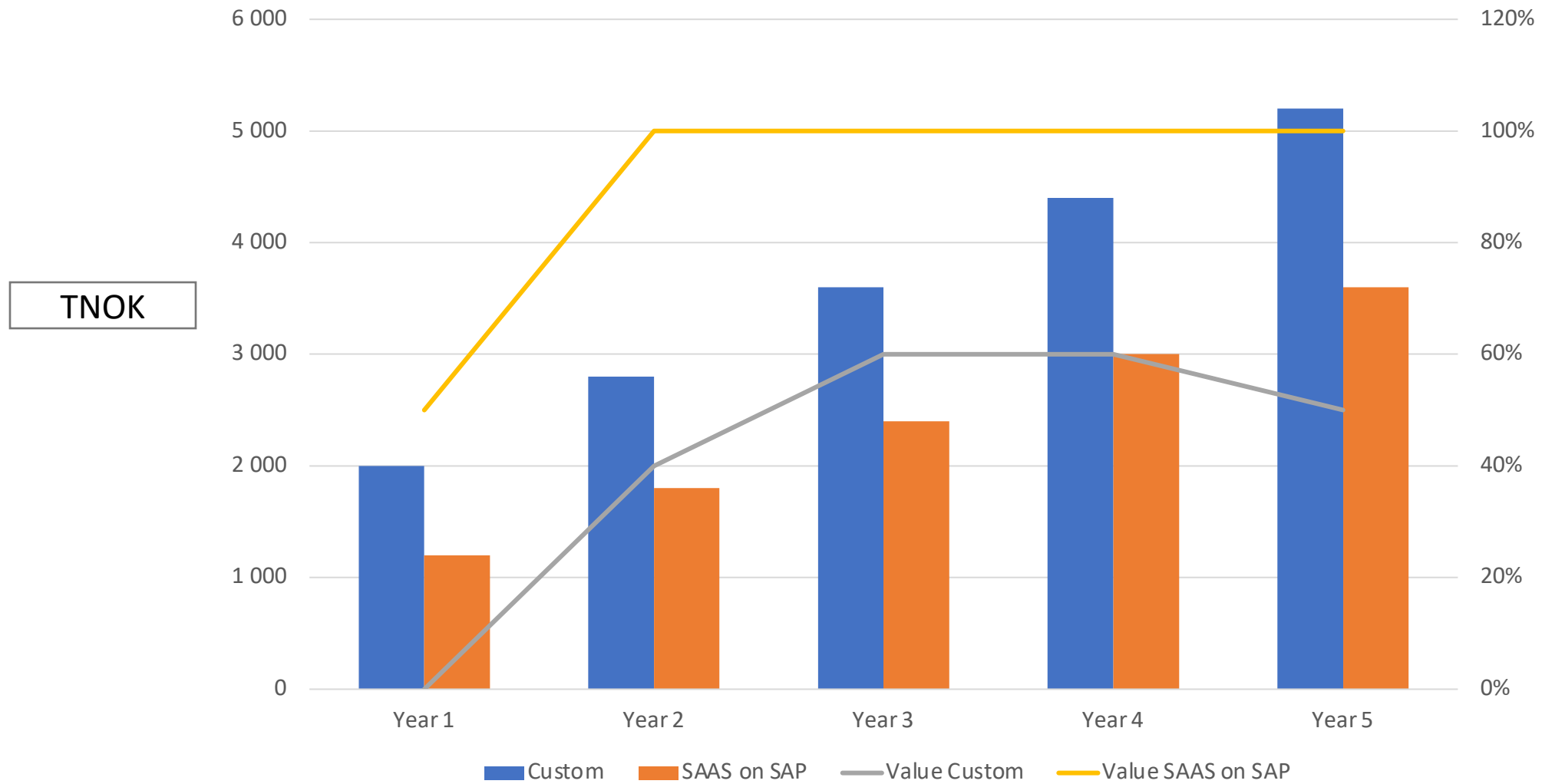
SaaS vs. Purchase



Rent vs. Buy

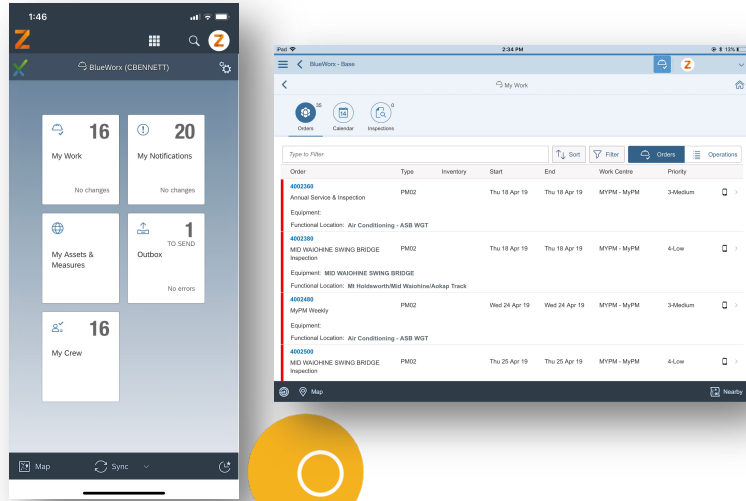
SaaS vs. Purchase chart
showing cost at 1–10 years.

Cost vs. value



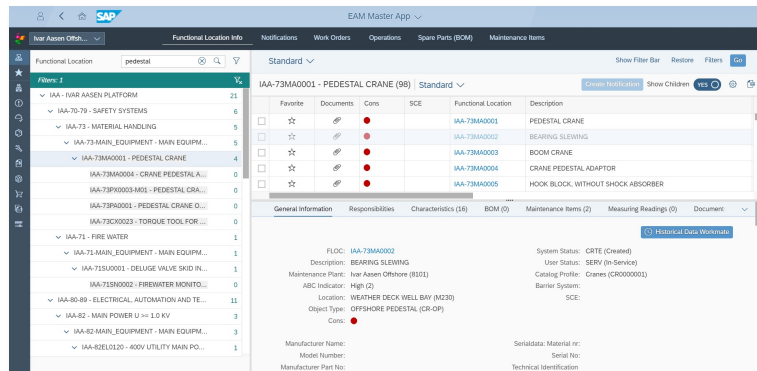
Alternative EAM Mobile solutions

Partner Content

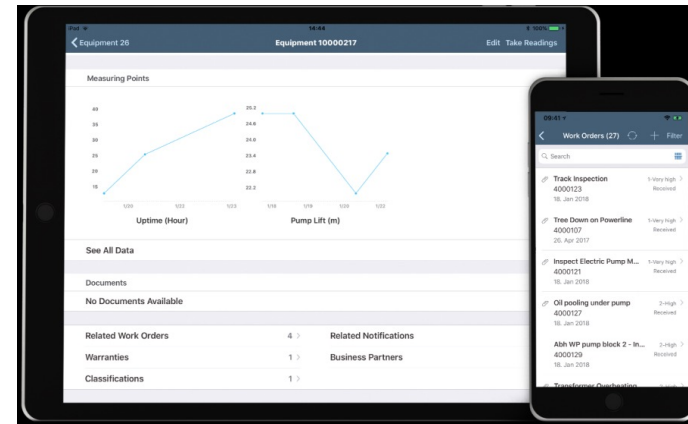


Neptune Software

Custom Development

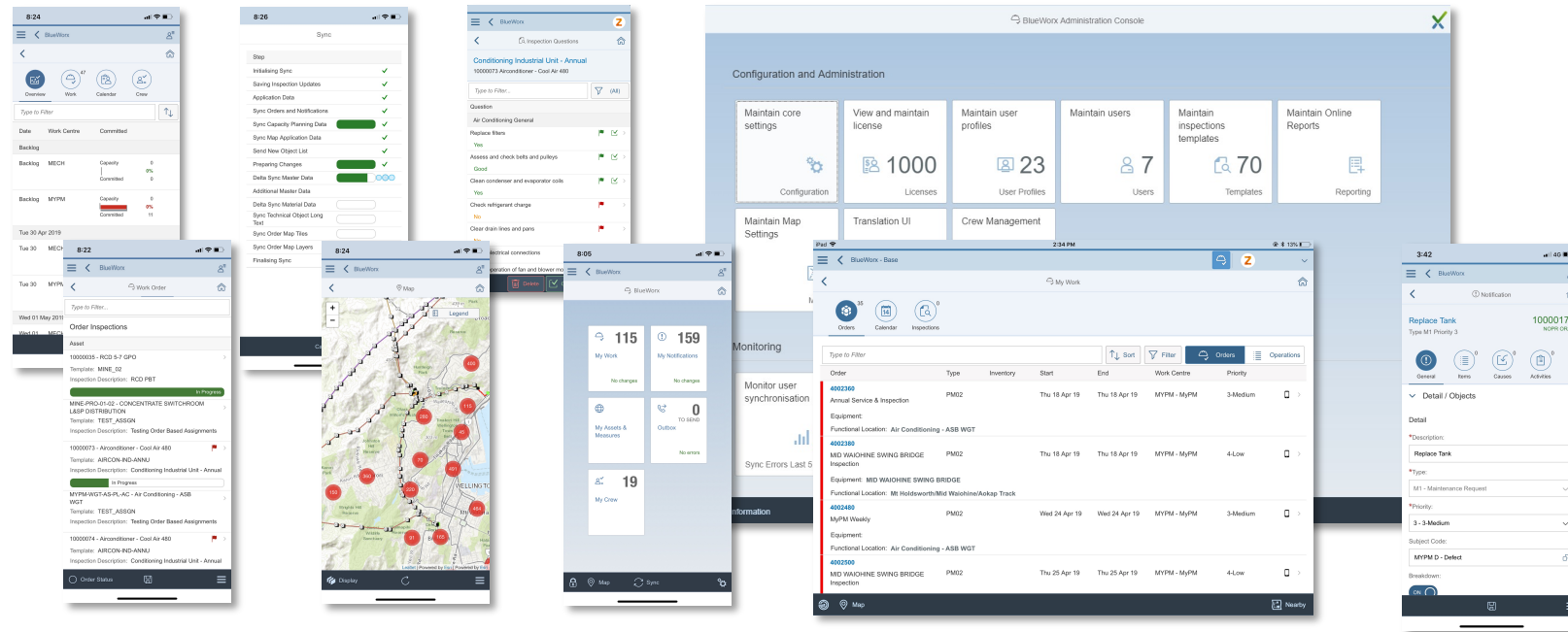


SAP Asset Manager



Blueworx packaged EAM solution

BlueWorx provides an intuitive user experience, using the latest SAP Fiori® UX across **mobile**, **tablet** and **desktop**. BlueWorx works fully offline allowing you to continue to work when your connection doesn't.



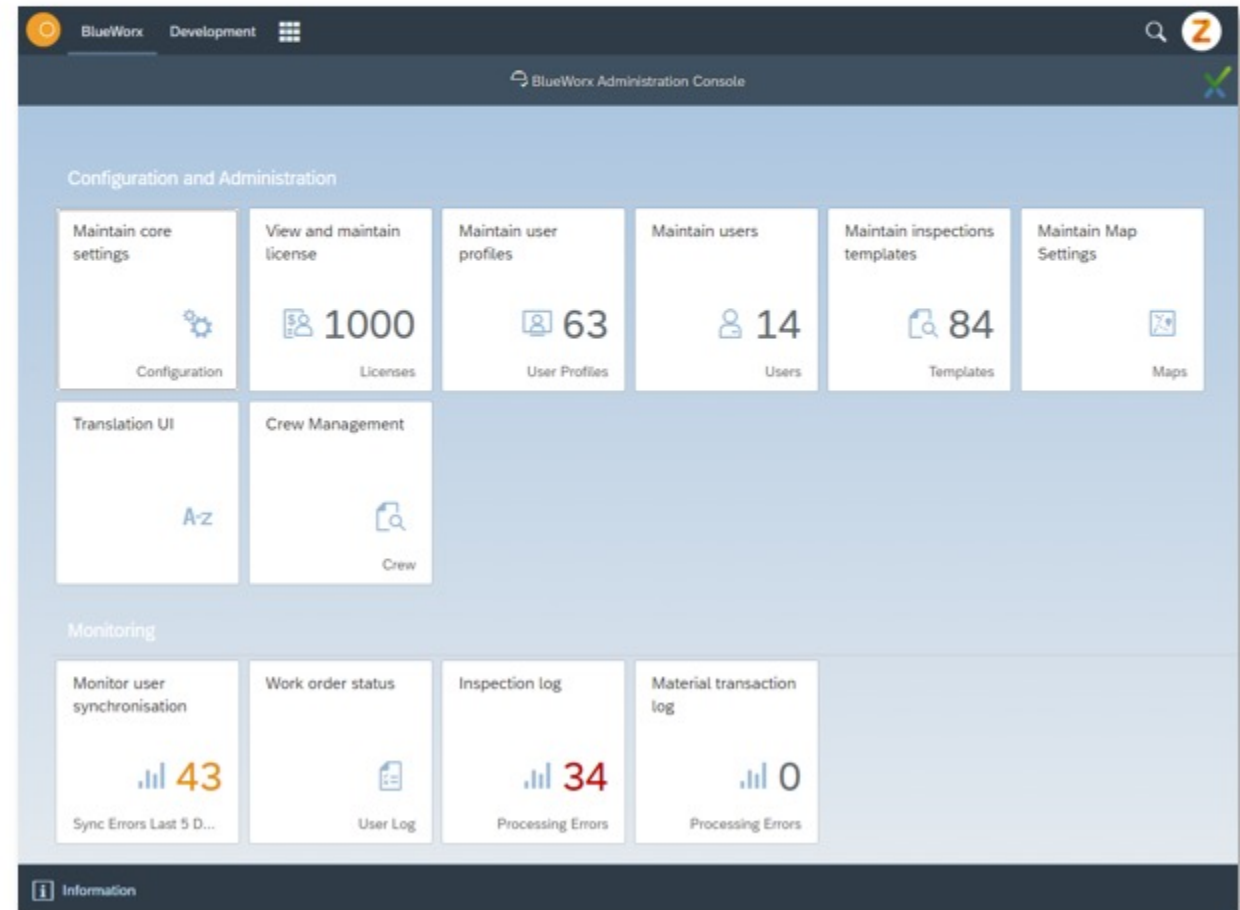
Base functionality:

- Work and service orders
- Notifications
- Comprehensive asset inspections
- Functional location details
- Equipment details
- Material balances, issues, reservations and exchange
- Measurement reading list
- Measurement points
- Measurement documents
- Bills of materials
- Documents
- Optional Google map and Esri map integration

CONFIGURATION AND ADMINISTRATION SITE

A fully featured BlueWorx configuration and administration online site is provided including:

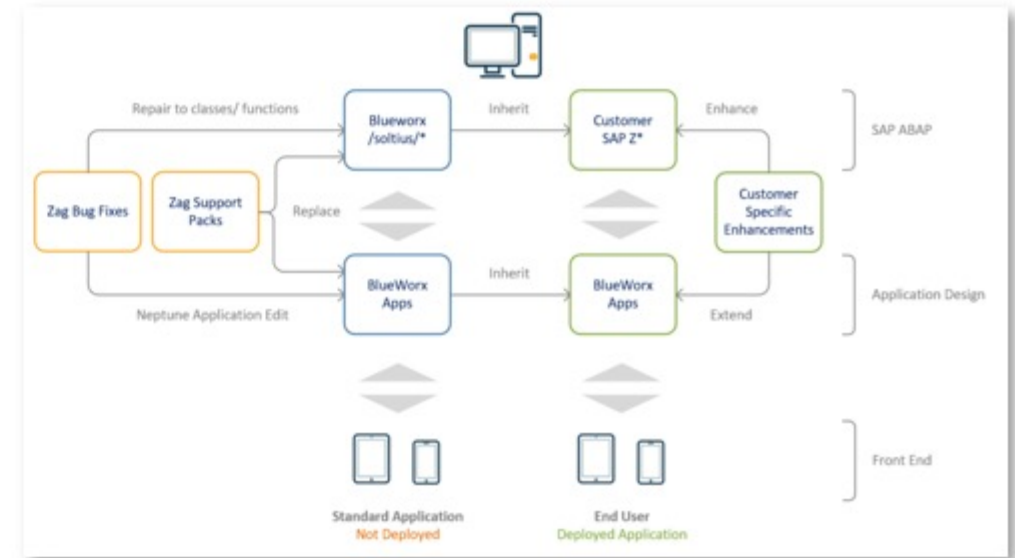
- Core settings
- Licence settings
- User profiles and users
- Inspections
- Maps
- Translations
- Crew component
- Synchronisation logs
- Work Order status
- Inspection logs
- Material processing logs



BLUEWORX IS FULLY EXTENSIBLE - BECAUSE NOT EVERYONE IS THE SAME

In a user focused solution the tool should adapt to the user and not the other way round.

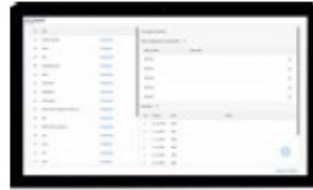
Validated requirements with ROI can be accommodated through enhancement of the standard BlueWorx product. It's been designed that way.



Areas more likely to involve customer specific delivery generally involve:

- External systems integration
- Pre-existing SAP customisations that are still effective and necessary
- Business or industry specific business process rules

MOBILE WORK ORDER SUITE 2020



Maintenance Managers

Managers and Supervisors



Supervisor
Dashboard

Maintenance Technicians



Mobile Work
Order

Checklist
Module

Checklist
Manager

SAP PLANT MAINTENANCE
OR
CUSTOMER SERVICE
ECC/ S/4 HANA

(+ Material Management, CATS and more)

Asset Monitoring Integration

Asset
Connector/
Predictive
Maintenance

3rd Party
Monitoring

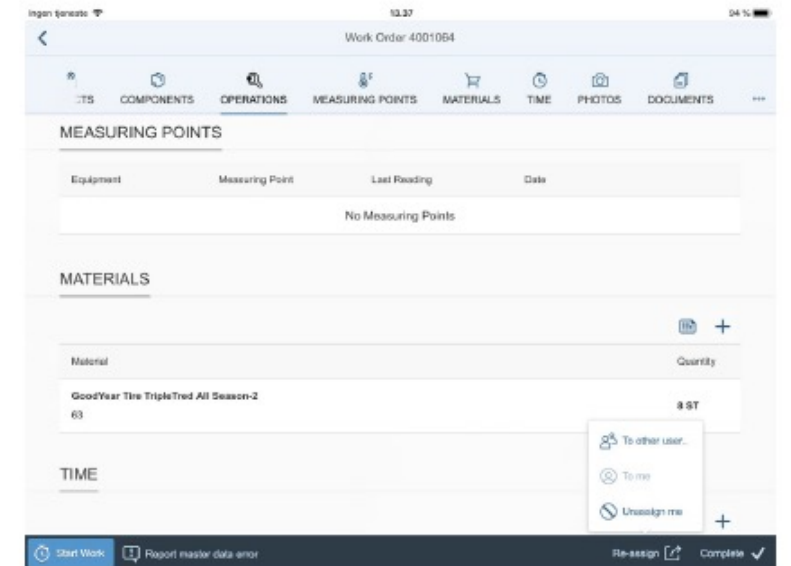
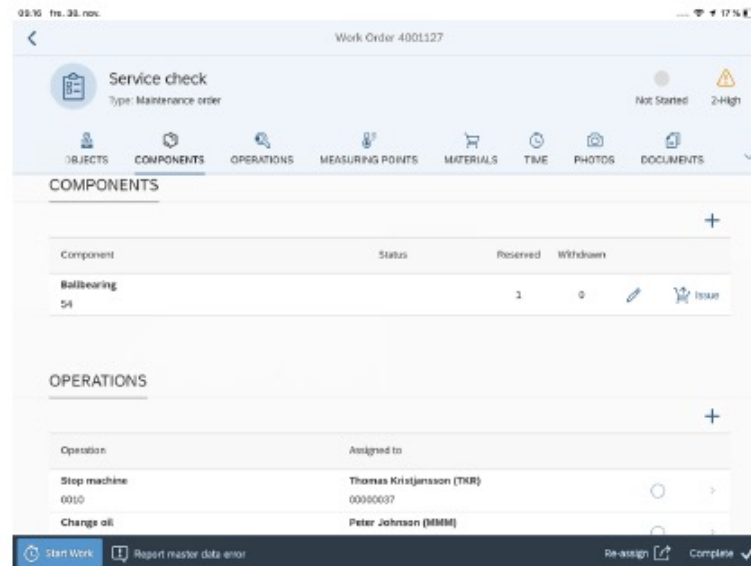
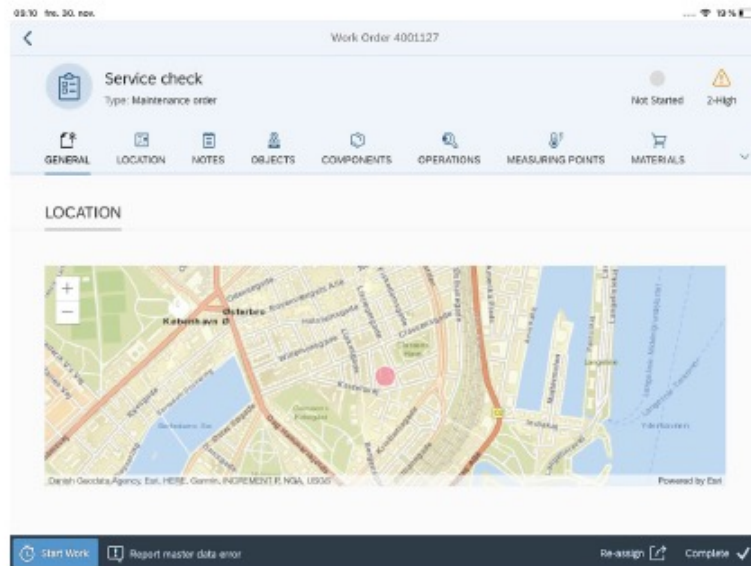
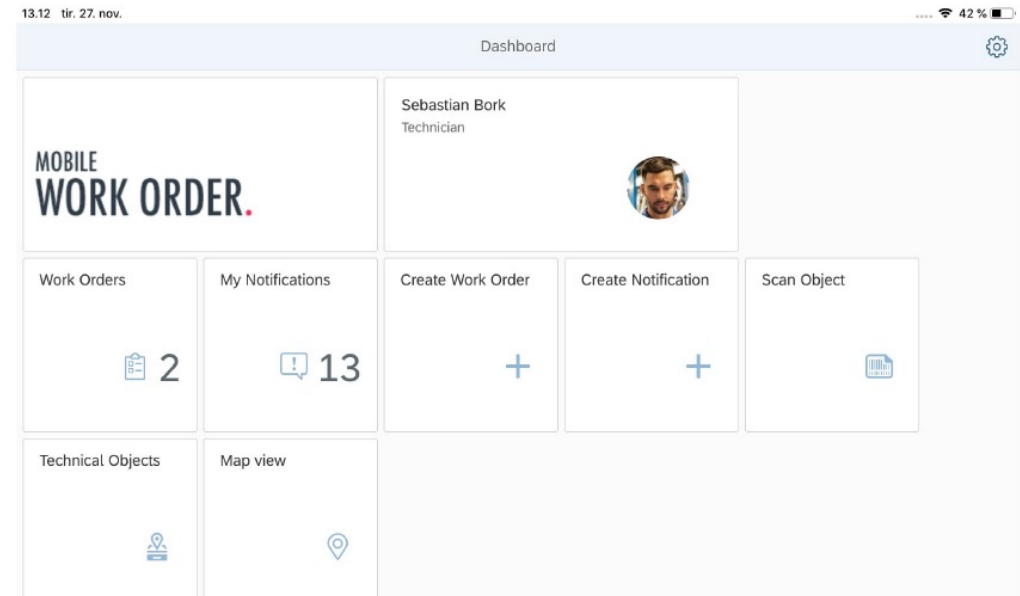
WO.

Planners/Schedulers*



READY » 4
ADVANCED SCHEDULING

Mobile Work Order



2BM MOBILE WORK ORDER

SUPERVISORS DASHBOARD.

All KPI's in one place

Mobile and always up-to-date for the supervisor

Have it your way – define the KPI's you want to see in realtime on your dashboard

Review notification online with photos and create workorders in realtime from any device

See and evaluate incoing notofications and convert to workorders.

Have live maintenance data, even from ECC 6.0



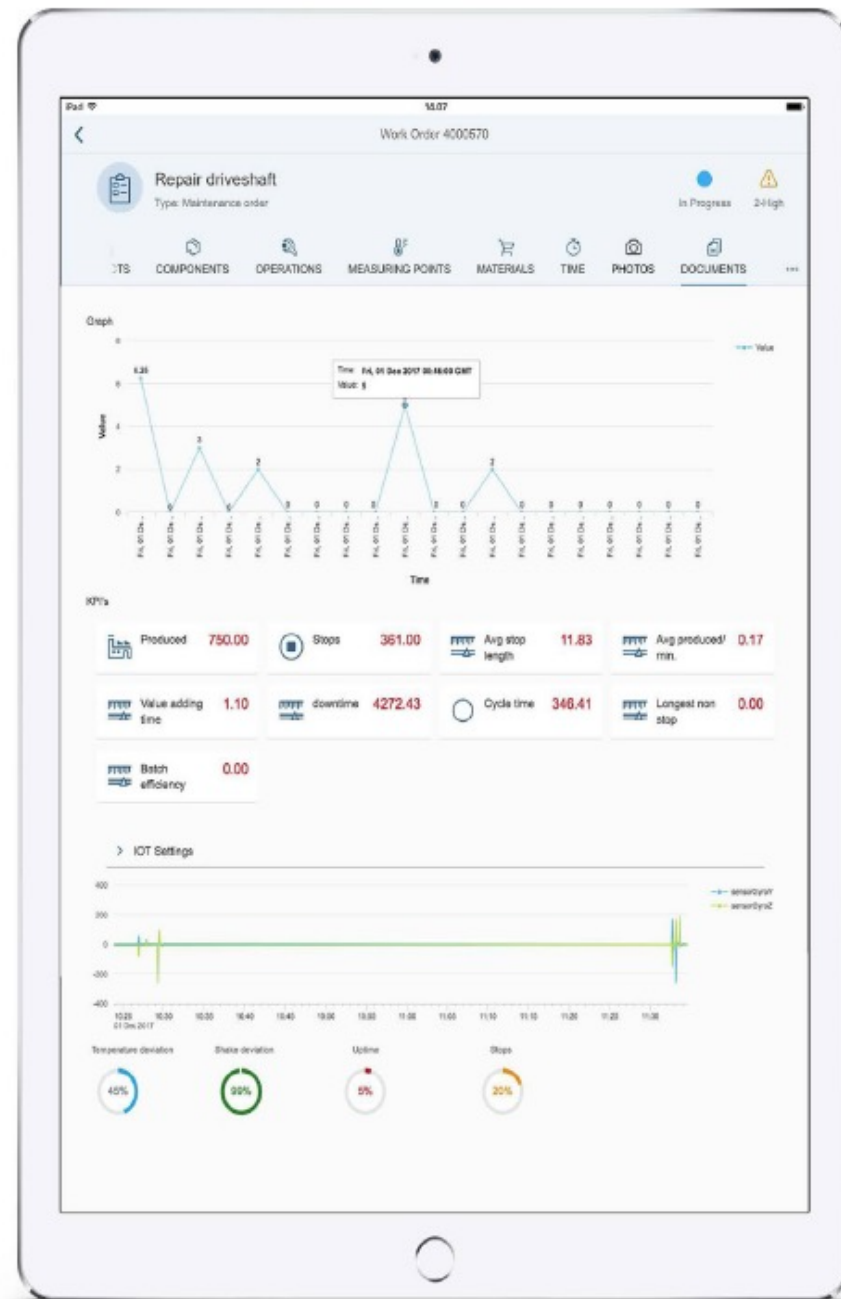
ASSET CONNECTOR – Automated notifications in SAP PM

Connect your legacy PLC, OPC or SCADA system to the Asset Connector – or any 3. party IoT system

Automatically create notifications in SAP PM/CS and send them to the MOBILEWORK ORDER app and SUPERVISOR DASHBOARD – and under certain conditions - receive SMS alert message

Get MEASUREMENT DATA on equipment automatically put into SAP PM/CS

Jumpstart your journey towards industry 4.0



CHECKLIST EDITOR - OVERVIEW.

WO CHECKLIST
Show apps

Id	Title		
49	Engine Overhaul	6 Responses	>
58	Demo	1 Response	>
59	Test	0 Responses	>
60	Heidelberg demo	1 Response	>
61	Demo	0 Responses	>
62	test billede	0 Responses	>
63	testbillede2	0 Responses	>
64	testchecklist	0 Responses	>
65	Online Motor Inspection Check List	0 Responses	>
66	title	0 Responses	>
67	Offline Motor Inspection	0 Responses	>
68	new	0 Responses	>
69	new1	1 Response	>
70	test	0 Responses	>
71	test1	1 Response	>

49. Engine Overhaul

Direct assignment to workorders +

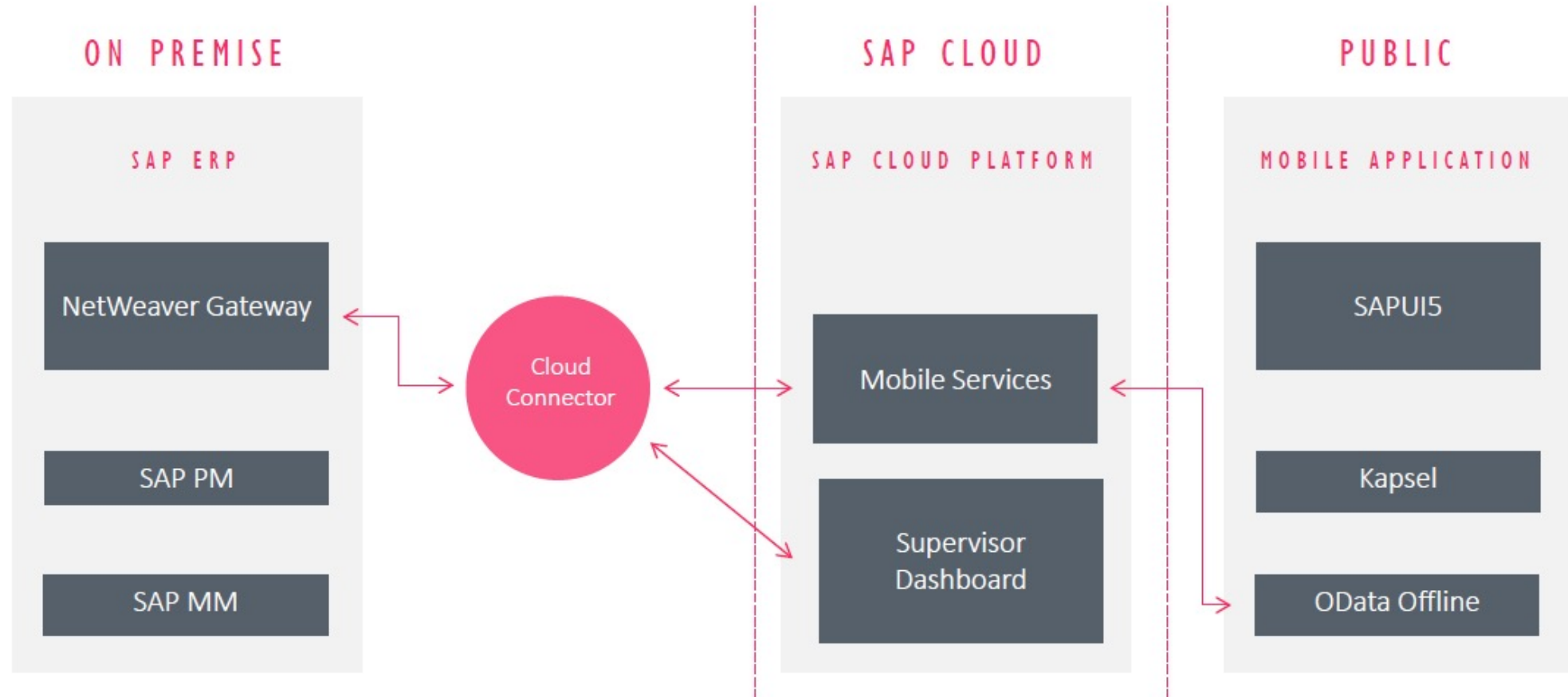
Order number	Description	
4001720		⊗
4001709		⊗
4001743		⊗
4001745		⊗
4001804		⊗

Revisions +

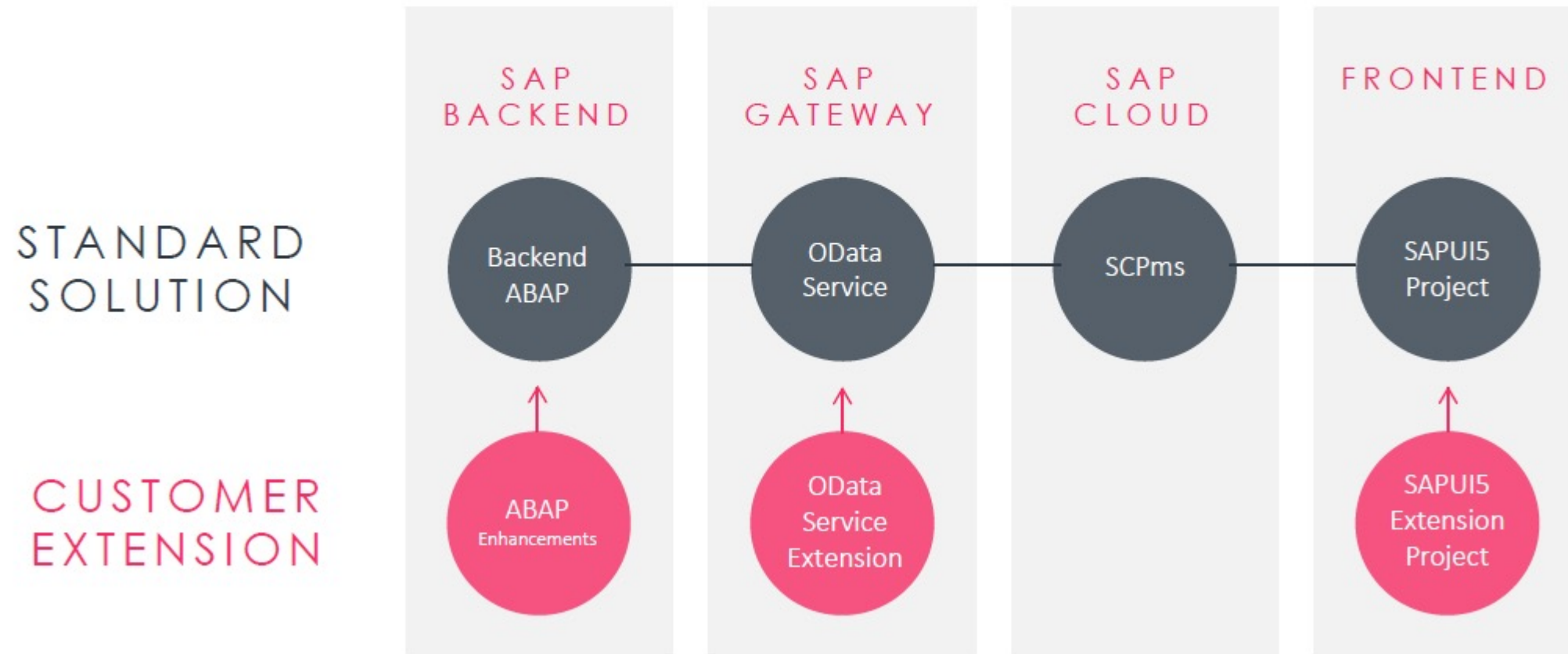
Rev	Created	User	Status
9	24. Jun 2020	SMB	
8	2. Jun 2020	ORA	
7	2. Jun 2020	SMB	
6	2. Jun 2020	SMB	
5	2. Jun 2020	SMB	
4	2. Jun 2020	SMB	

Create new checklist

SOLUTION ARCHITECTURE.



CUSTOMER EXTENSION.



SAP Intelligent Asset Management

Asset Manager



Eliminate paperwork while reducing downtime and maintenance backlog



Extend and improve asset life and reliability by shortening work cycles



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



SAP Asset Manager

Key capabilities

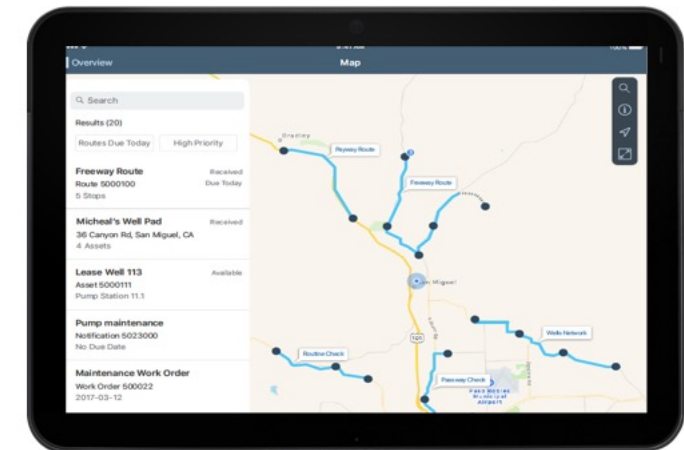
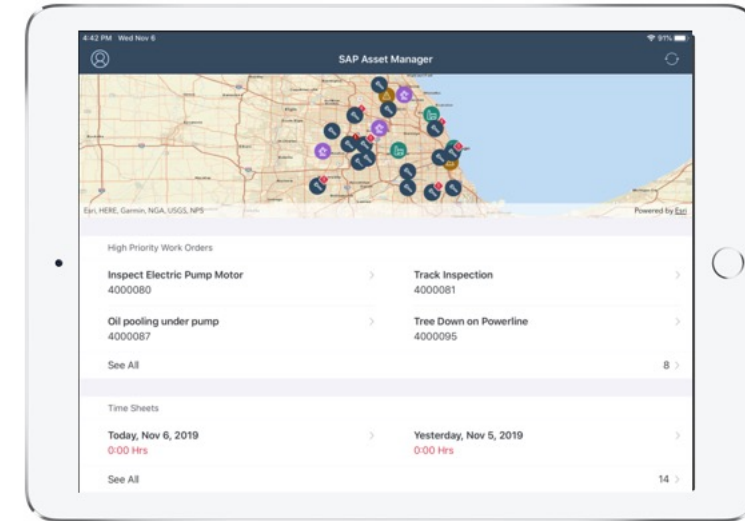
- **Mobile-enabled processes integrated with enterprise systems**

Enables easy and timely execution of end-to-end asset management on the go

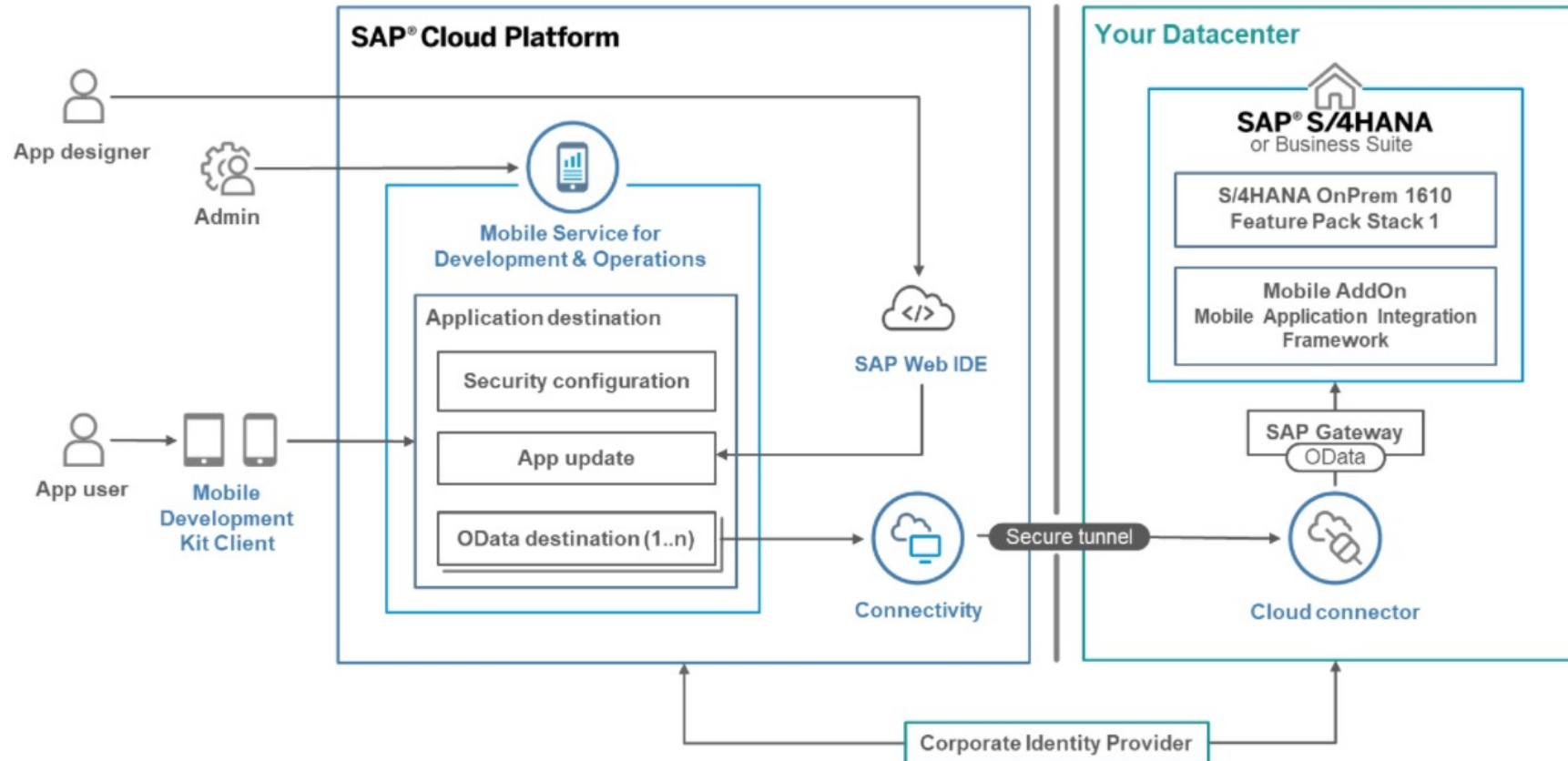
- Discovering assets regardless of location
- Create notifications and execute work orders
- Taking measurements made easy
- Enabling repair work by providing task lists and management of parts and tools
- Worker safety functionality included

- **Industry specific components to enhance specific business processes**

- Crew reporting
- Meter management
- Customer service

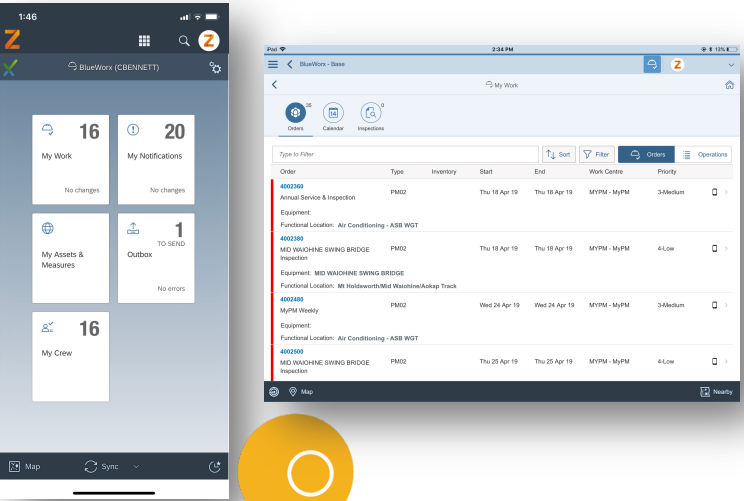


SAP Asset Manager



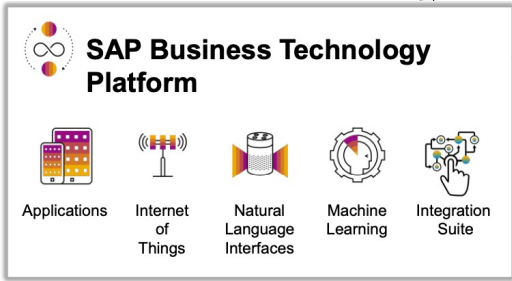
Alternative EAM Mobile solutions

Partner Content



Neptune Software

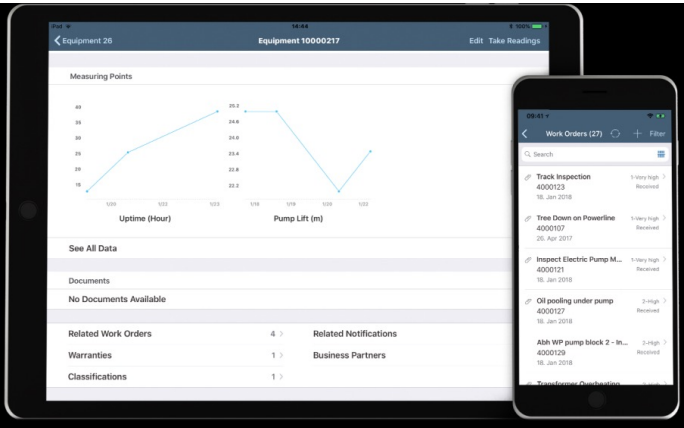
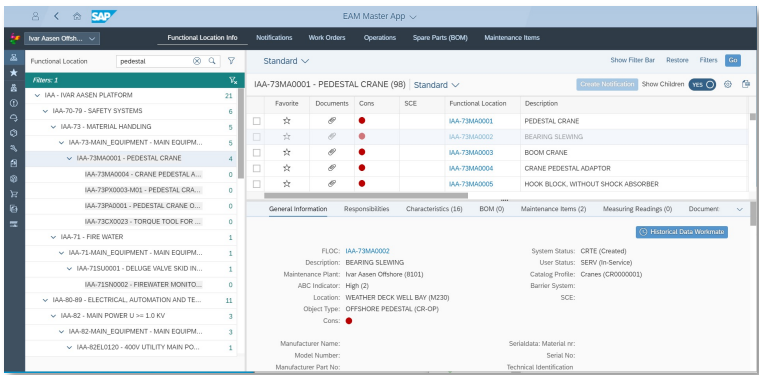
VS.



SAP Asset Manager



Custom Development



SAP HANA enterprise search

Stian Windsland
SAP Løsningsarkitekt

SAP HANA enterprise search

SAP HANA enterprise search (ES) 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; navigation along object relations
- Direct navigation into source systems/transactions
- Integrated support for SAP authorization concepts
- Infrastructure for modeling, administration, and monitoring of search models

The screenshot displays the SAP HANA enterprise search interface. At the top, there is a search bar with the text 'h' and a search icon. To the right of the search bar, the user is identified as 'Tester Tester'. Below the search bar, a dropdown menu shows search results for 'h', including 'Flat Watch HD32', 'Flat Watch HD37', 'Flat Watch HD41', 'HT-1000', 'HT-1001', 'HT-1002', and 'HT-1003'. The main content area is divided into two columns. The left column contains filters for 'Search In' (All, Products) and 'Filter By' (Product Unit Price, Category, Created At). The right column displays search results for 'h', including 'Portable DVD Player with 9" LCD Monitor HT-2002', 'Beam Breaker B-2 HT-6101', and 'Beam Breaker B-3 HT-6102'. Each result shows the product name, weight, and product unit price. The interface is designed with a clean, modern look, featuring a blue header and a white background.

Search In	Count
All	5,29M
Products	123

Filter By	Count
Product Unit Price	
☐ 0,00...5.000,00	121
☐ 5.000,00...10.000,00	1
☐ 10.000,00...15.000,00	1
☐ 15.000,00...20.000,00	1
☐ 20.000,00...25.000,00	1

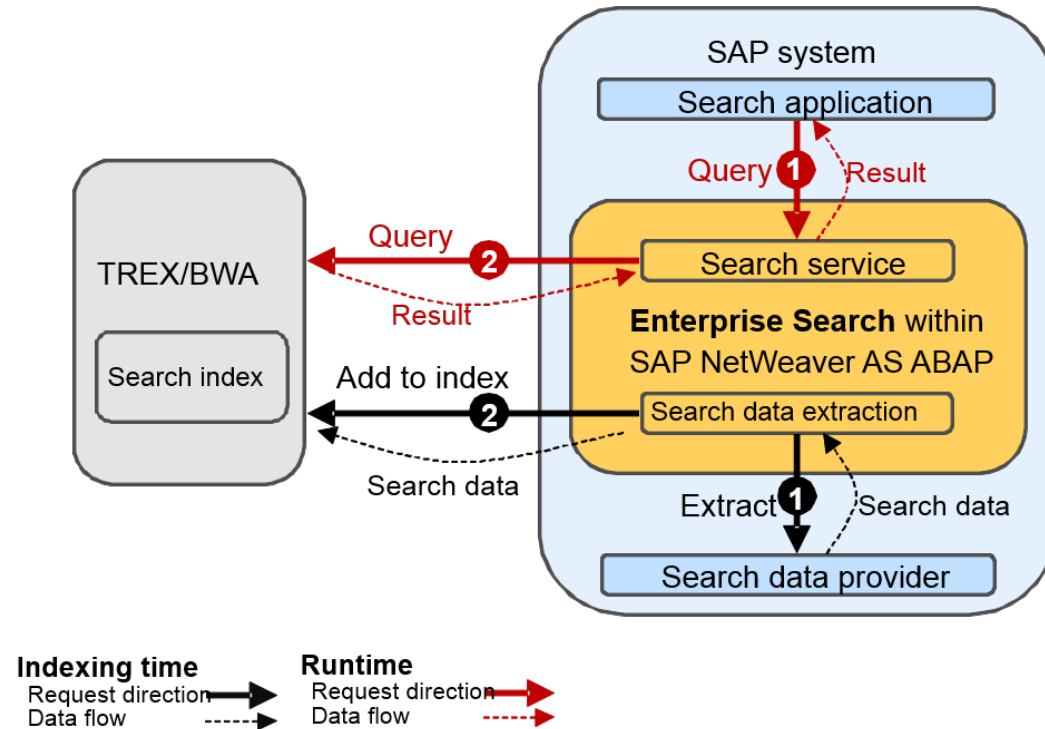
Category	Count
☐ Notebooks	12
☐ Computer System Acces...	12
☐ PDAs & Organizers	9
☐ Flat Screen Monitors	9
☐ Software	8

Created At	Count
------------	-------

Product	Weight	Product Unit Price
Portable DVD Player with 9" LCD Monitor HT-2002	0,720 kg	853,99
Beam Breaker B-2 HT-6101	2,000 kg	679,00
Beam Breaker B-3 HT-6102	2,500 kg	889,00

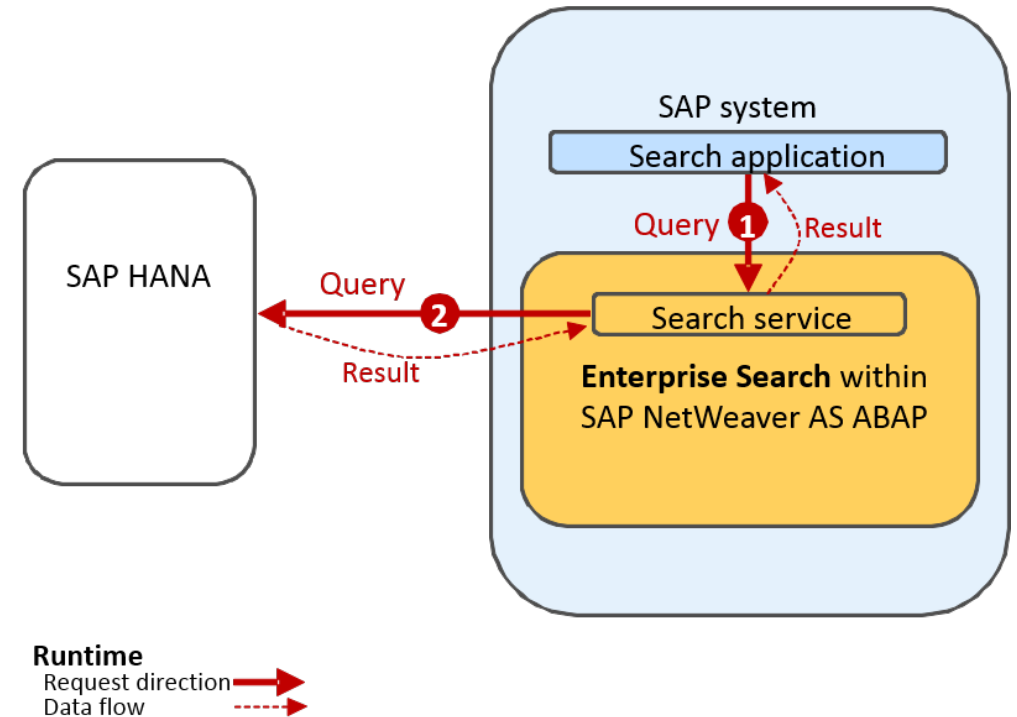
System Landscape Variants

TREX/BWA-based variant



You are using one of the databases for SAP Business Suite, but not SAP HANA. In this scenario, you need to connect an additional search technology. This can be either the standalone engine Search and Classification (TREX) or SAP NetWeaver Business Warehouse Accelerator (BWA).

SAP HANA-Based variant



You are using SAP HANA as the database. If you store your business data in SAP HANA, you do not require any additional search technology to use Enterprise Search. Enterprise Search enables direct search access to your business data stored in the tables in SAP HANA.

Demo

Search In		Results (158)			
All	158	1900000024 Journal Entry			
Activities (Procurement)	2	Company Code:	Accounting Period:	Posting Date:	Journal Entry Type:
Bank duplicate S4H100~BANK...	1	1710 - Company Code 1710	2018 03	14.03.2018	KR - Vendor Invoice
Banks duplicate CD\$ALL~ESH...	1	Document Date:	Reference:	Currency:	Created by:
Cost Elements	2	14.03.2018	TEST	USD	S4H_FIN_DEM - Franky Finance
Customer duplicate S4H100~C...	2	Created on:			
Customer duplicate CD\$ALL~E...	1	14.03.2018			
Document Info Record Attach...	1				
Document Info Records	1				
Document Info Records - Clas...	1				
EAM Maintenance Objects	16				
EAM Notification and Order	24				
EAM Object Data	28				
EAM Objects	12				
Evaluation Response duplicate ...	1				
Evaluation Response duplicate ...	1				
Fixed Asset	3				
Fixed Assets	3				
GL Account	10				
GL Accounts	10				
Journal Entries	6				
Journal Entry	6				
Procurement-Related Activities	2				
Projects	1				
Purchase Requisition Item dupl...	2				
		1900000037 Journal Entry			
		Company Code:	Accounting Period:	Posting Date:	Journal Entry Type:
		1710 - Company Code 1710	2018 11	02.11.2018	KR - Vendor Invoice
		1900000038 Journal Entry			
		Company Code:	Accounting Period:	Posting Date:	Journal Entry Type:
		1710 - Company Code 1710	2018 11	02.11.2018	KR - Vendor Invoice
		7000000683 Journal Entry			
		Company Code:	Accounting Period:	Posting Date:	Journal Entry Type:
		1710 - Company Code 1710	2018 11	02.11.2018	KR - Vendor Invoice
		14000000000000000000000022018 Test Project			
		Project Description:			
		Test			
		Test Evaluation Response duplicate CD\$ALL~ESH_U_SUPLR_SRS~			
		Evaluation Response:			
		1			
		Test Procurement-Related Activity			
		Activity:	Status:	Priority:	Purchasing Category:
		2	Not Started	Low	-

SAP HANA enterprise search key takeaways

With this tool, you will reduce the need for some custom Fiori Apps, ALV reports, BW/BI reports and more. You will put your employees in the driver seat and empower them. This means that the ROI on this is very low.

SAP HANA enterprise search:

- Embedded in SAP Business Suite 7 and SAP S/4HANA
- Based on SAP NetWeaver 7.50 and SAP HANA SPS12

SAP HANA enterprise search provides efficient information access and user-centric discovery through a simple interface:

- extendable,
- full-text search, text analysis, and text mining
- navigation and access to structured and unstructured information
- enable different users to perform different actions based on the role they login with
- search across multiple systems
- NO additional costs or 3rd party systems
- use on mobiles
- can be used as a part of custom-developed apps
- can be used in combination with a search-help tools (F4)



Consulting

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

Ikke nøl å ta kontakt!