

SUCCESS DAYS 2023

THE IMPACT OF CHANGE

HOW MUCH CAN YOUR SUPPLY CHAIN TAKE?



Roadmap

Release 23 and following



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Roadmap Agenda

01

General topics

02

Release 23.0
& 23.1

03

Release 24.0
and following



Roadmap

General topics



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Project with SAP– embedded Steampunk

onPremise



- ERP system
- Acces to all data of SAP
- Classical transactions possible
- SAP-GUI / Fiori Launchpad

Private Cloud



- ERP system
- Acces to all data of SAP
- Classical transactions possible
- SAP-GUI / Fiori Launchpad

S/4HANA Public cloud (emb.Steampunk)



- ERP system
- Access only to released CDS views
- No classical transactions
- Fiori Launchpad

BTP

- Not an ERP system
- Data has to be read using connection to other systems
- No classical transactions
- Fiori Launchpad

Project summary

Project with SAP – embedded Steampunk

- Very good cooperation with the project participants from SAP
- Many objects are not yet released
- Some processes are no longer possible, i.e. releasing purchase requisitions only using flexible workflows
- Currently no AddOns for public cloud customers possible
- Not yet clear, if one codeline for public cloud and onPremise / private Cloud possible



Discontinuation of old releases

Technical information

- Discontinuation at end of Q1/2023 went very well
 - Many customer were still on old releases and have updated their systems to a current release
- Still the same approach
 - We are supporting our last three releases
 - We will continue the support for all SAP systems, which are in mainstream support (at least one ifm release will be supported)
- Discontinuations in 2024:
 - 21.0 on ECC 6.0 at end of Q1/2024
 - 21.0 for S/4HANA 1909 will be supported up to the end of Q4/2024, because S/4HANA 1909 is inside of the SAP mainstream support until 2024/12/31

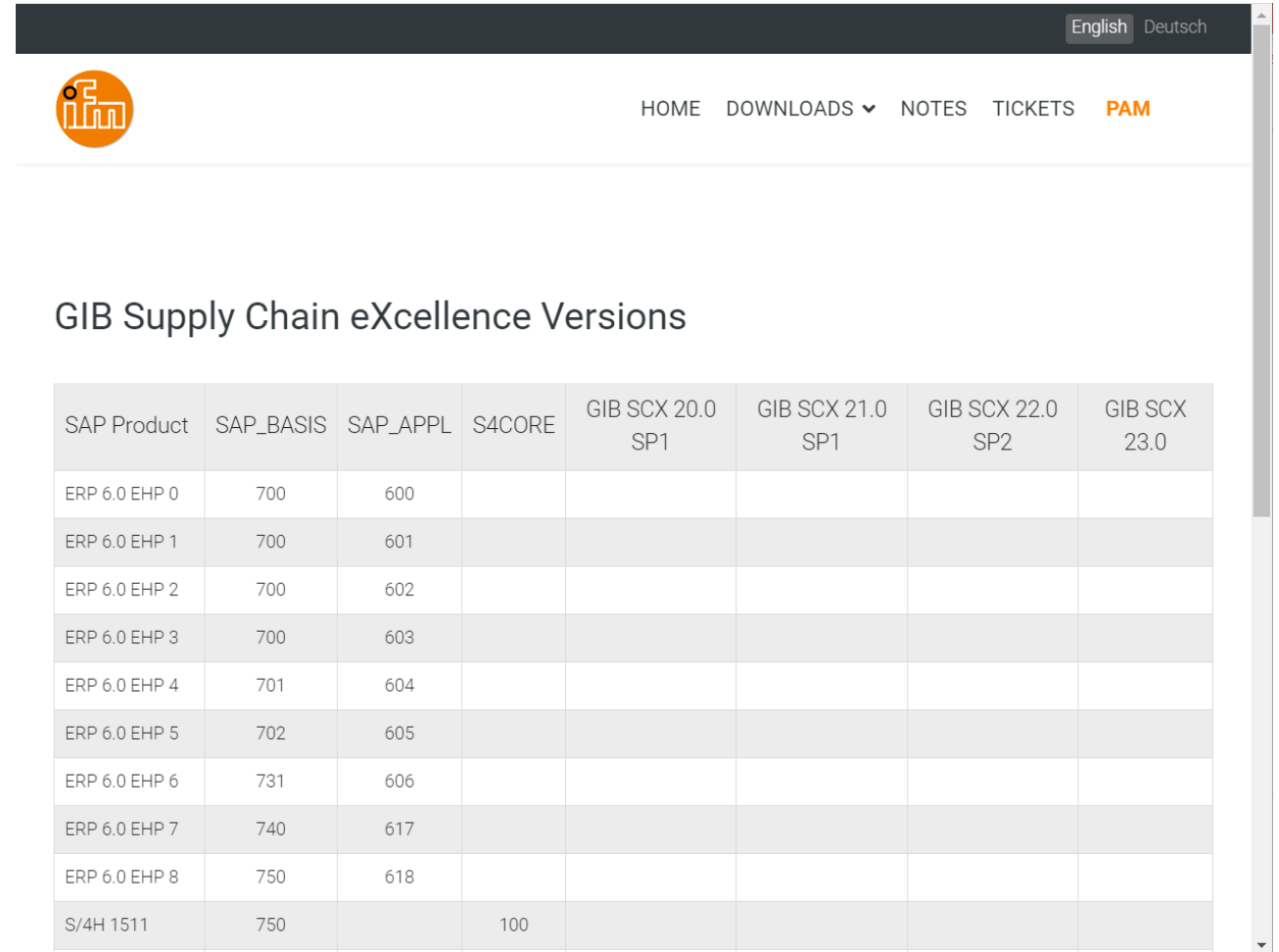
Information on the lifecycle of our products is always available in our customer portal → PAM.



Planned new features in the customer portal

Technical information

- Display of product registry keys
- User Administration (Create, Manage, Delete)
- Entering details for SAP systems
- Reference a Ticket to affected SAP landscape



The screenshot shows the ifm customer portal interface. At the top right, there are language options for 'English' and 'Deutsch'. The navigation menu includes 'HOME', 'DOWNLOADS', 'NOTES', 'TICKETS', and 'PAM'. The main content area is titled 'GIB Supply Chain eXcellence Versions' and contains a table with the following data:

SAP Product	SAP_BASIS	SAP_APPL	S4CORE	GIB SCX 20.0 SP1	GIB SCX 21.0 SP1	GIB SCX 22.0 SP2	GIB SCX 23.0
ERP 6.0 EHP 0	700	600					
ERP 6.0 EHP 1	700	601					
ERP 6.0 EHP 2	700	602					
ERP 6.0 EHP 3	700	603					
ERP 6.0 EHP 4	701	604					
ERP 6.0 EHP 5	702	605					
ERP 6.0 EHP 6	731	606					
ERP 6.0 EHP 7	740	617					
ERP 6.0 EHP 8	750	618					
S/4H 1511	750		100				



Release XX.X New features

MFGX / PROX App - MRP view XLNce

BTP App's - Material overview & multi-level (release independent)

Role:

MRP Controller, Purchaser

Task:

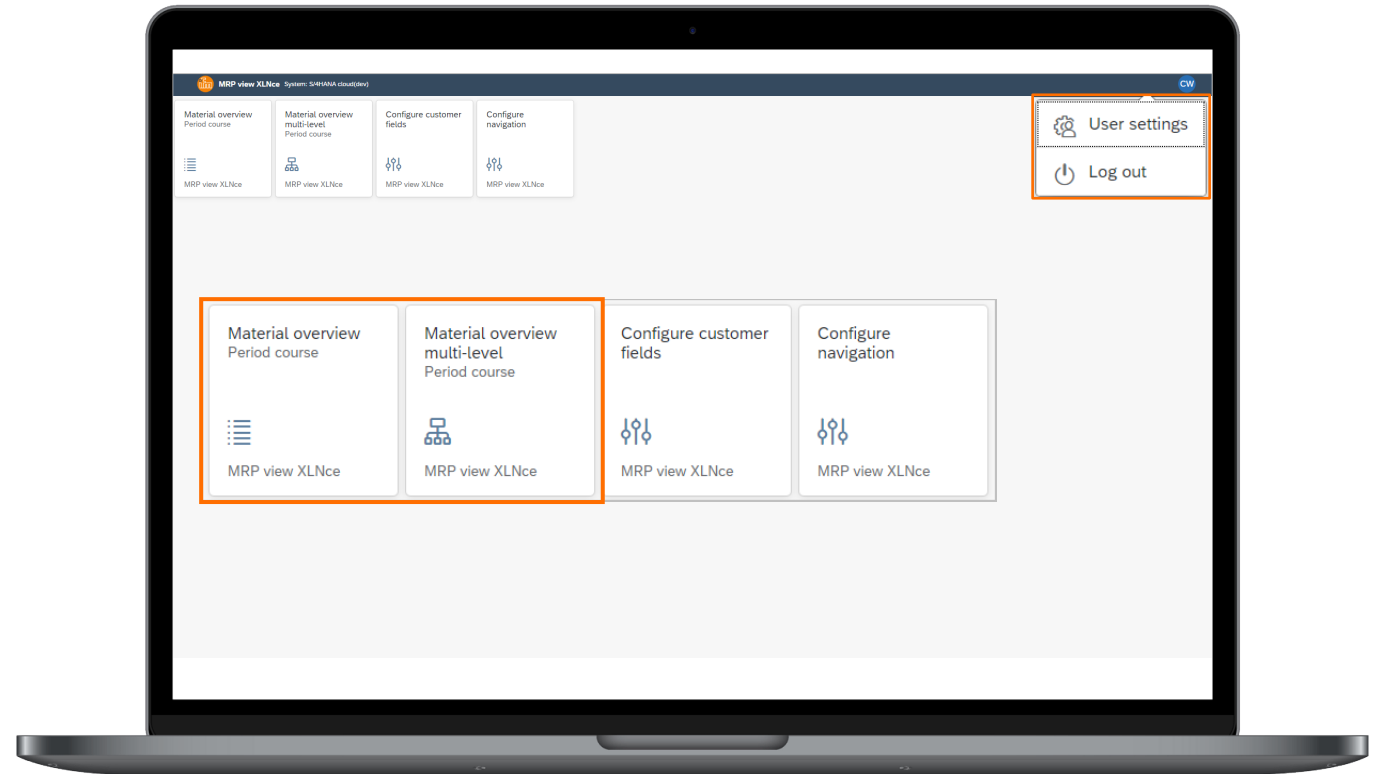
Time and cost savings through efficient display and analysis of the inventory development of materials.

Check and ensure delivery capability for selected materials.

Global function user settings:

client, language

Log out



Roadmap

Release 23.0

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Cross module

Quality assurance

- More than 6750 executed automated unit tests
- Successful Penetration test for VMI
- Improved quality through intensive checks in the ABAP Test cockpit
- Certified for S/4HANA 2022 onPremise & Cloud



Cross module

Authorization Objects in /GIB/ Namespace

Due to new capabilities in S/4 core Authorization objects are part of installation.

- Table authorization groups
- Authorization objects
- Report specific Authorization object S_ALV_LAYR now usable

Adoption of authorization concept required in case of upgrade.



Additional changes

- Function Manager: open in new mode
- New app for Fiori app documentation files
- Old RAC obsolete in S/4HANA
- ...

Migration of RAC into SCX RAC

RAC activities can be migrated into SCX RAC

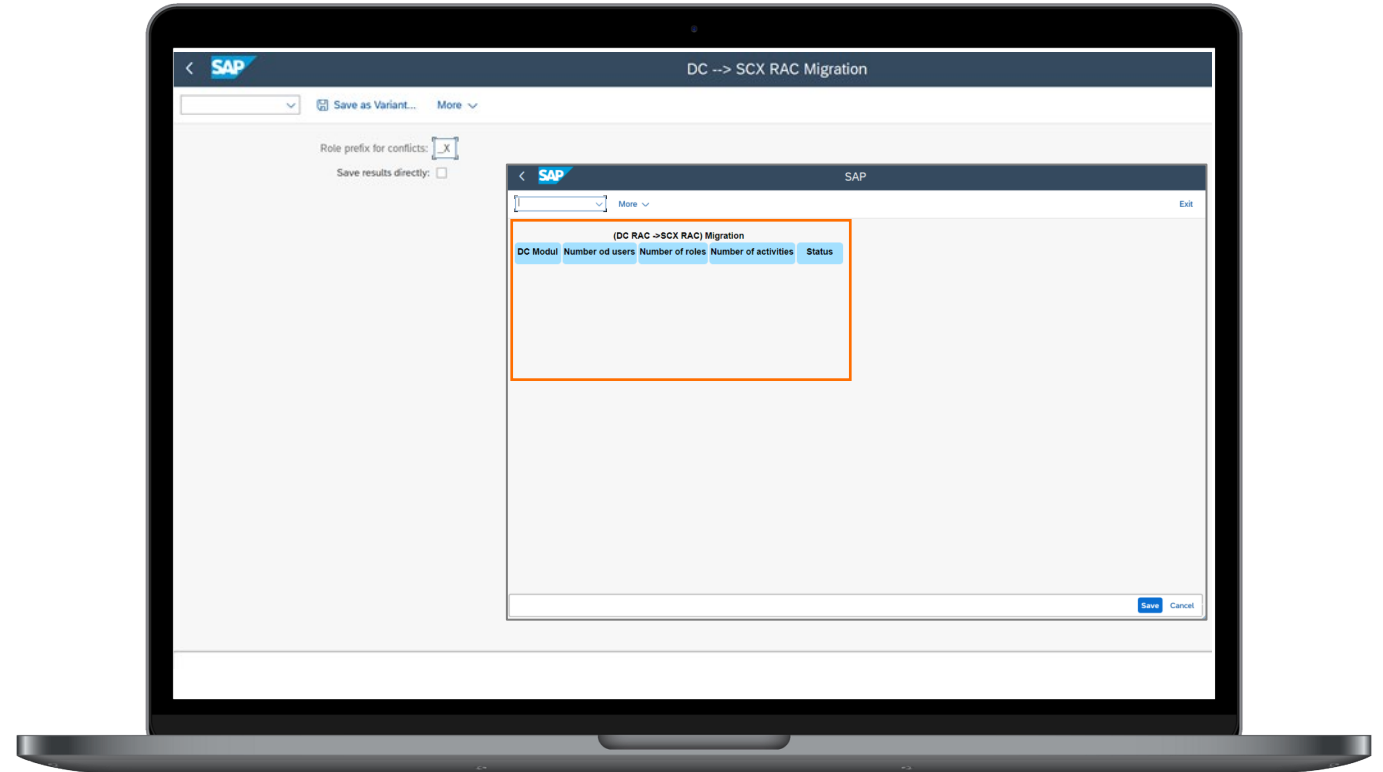
Transaction: /GIB/SCX_RAC_MIG

RAC functions from Operations and Planning/
Manufacturing can be migrated into SCX RAC.

Functions: Execute migration with

- Role suffix for conflicts
- Save results directly

After migration results are displayed in matrix by
module.



SCX KPIs and Process

More details

Additional new features

- Top lists for backlogged production orders
- Changes for the missing confirmation KPIs
- Additional data in the sales KPIs
- ...



Forecast

Combined forecast (CF) with automatic model selection

The Combined Forecast (CF) is available as a new procedure in forecasting with automatic model selection for X and Y materials. Details on the individual forecast procedures can be found in the forecast manual.

Demand planning

Forecast

Revision of the Quality of Planning/Forecast (QOPF) tool

The QOPF has been thoroughly revised and offers a number of new functions as well as a significantly improved usability.

Selection

1. Planning hierarchy

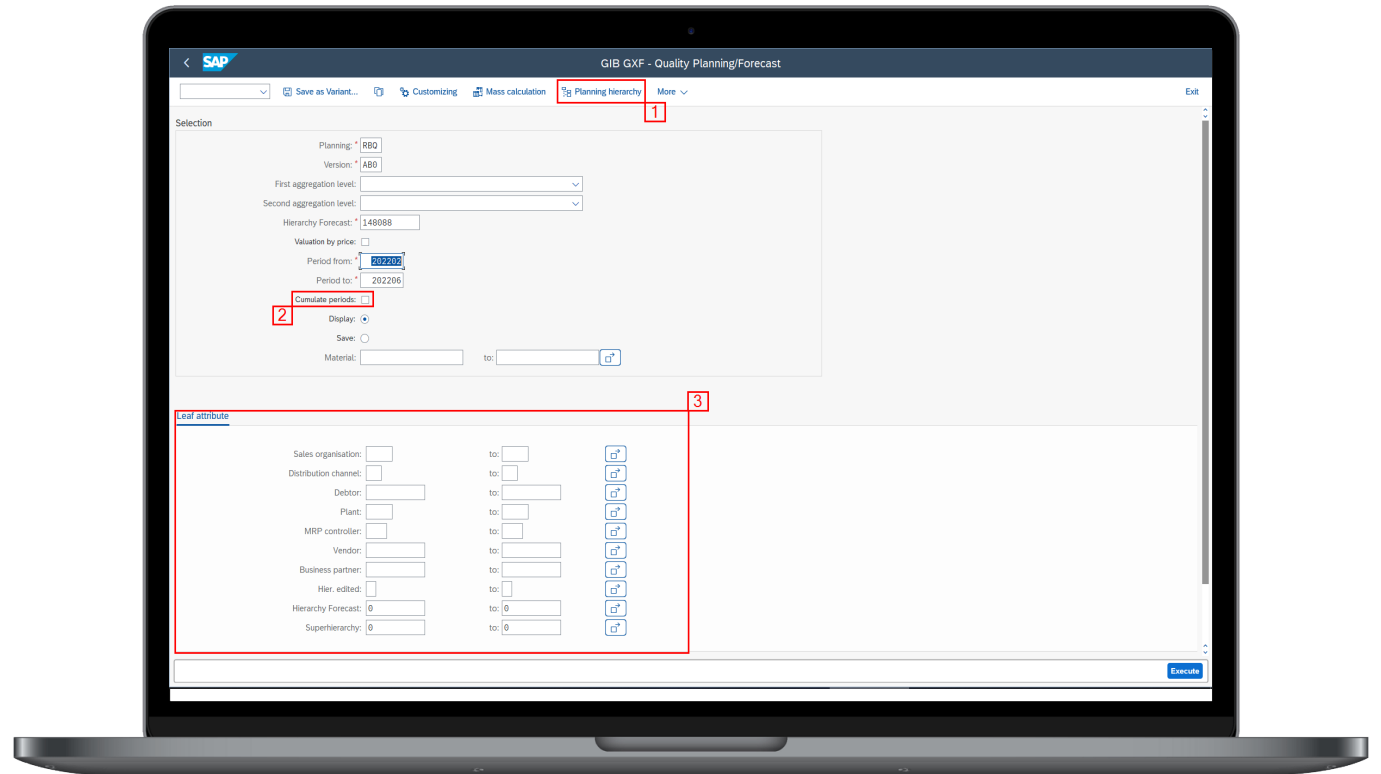
- Display hierarchy tree

2. Cumulate periods

- Allows a cumulated period display in one row if „Period from“ and „Period to“ are different.

3. Leaf attributes

- More detailed selection attributes



More details

Additional new features

- MRP area from hierarchy in /GIB/MVER2
- Superhierarchy in /GIB/QUERY
- Flag „No split“ at hierarchy level
- Enhancement of dashboard selection
- Mass changes in material overview
- ...

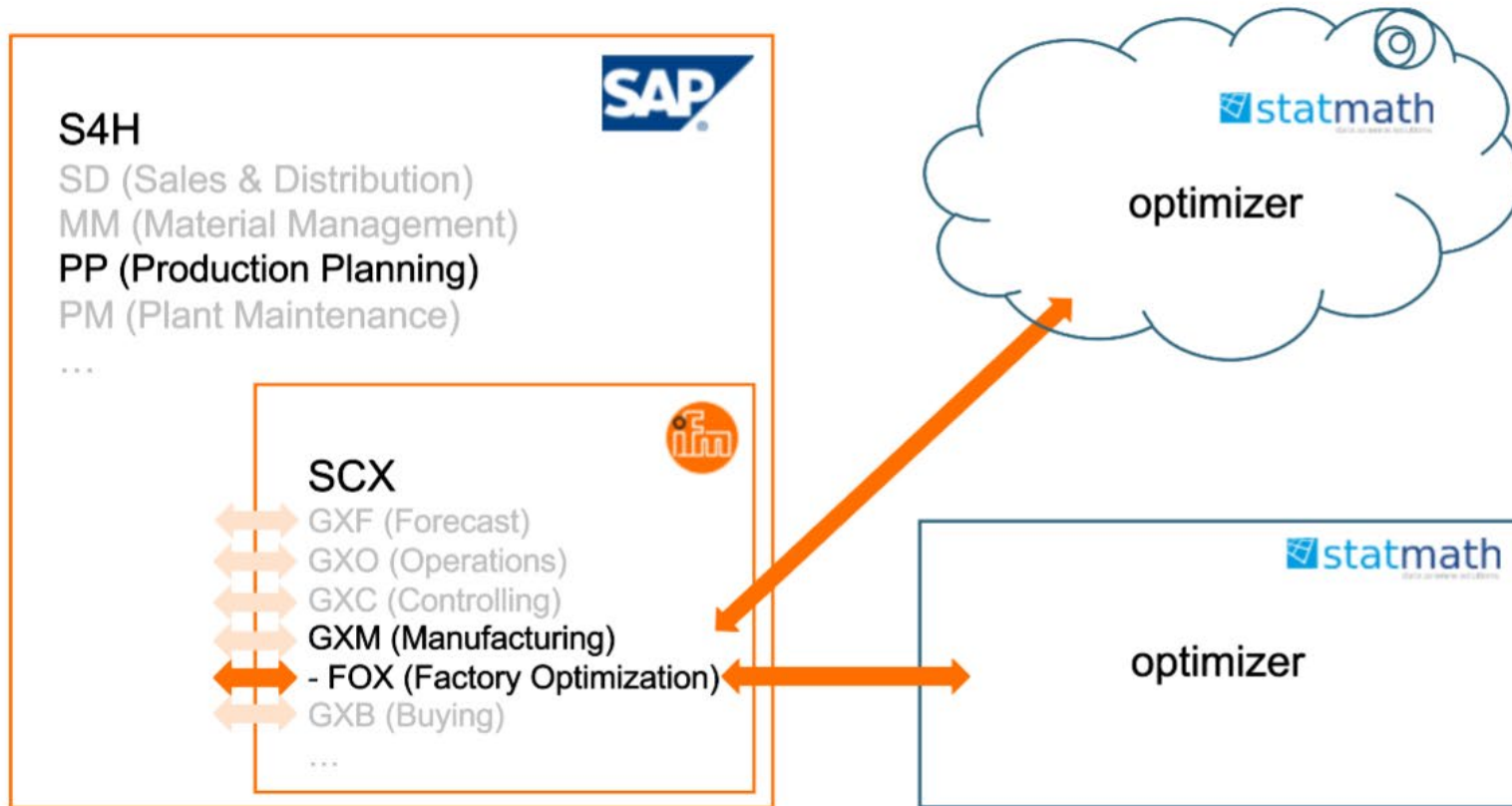
Success Day presentations

- Today 10:25, Apollino: Newcomer demand planning (Emanuel Huwa)
- Tomorrow 11:05, Apollino: New functions demand planning (Roman Bernikov)

Videos of the new functions presentations are available in the event app

(F)actory (O)ptimization E(x)cellence

flexible connection of the optimizer to your SAP system

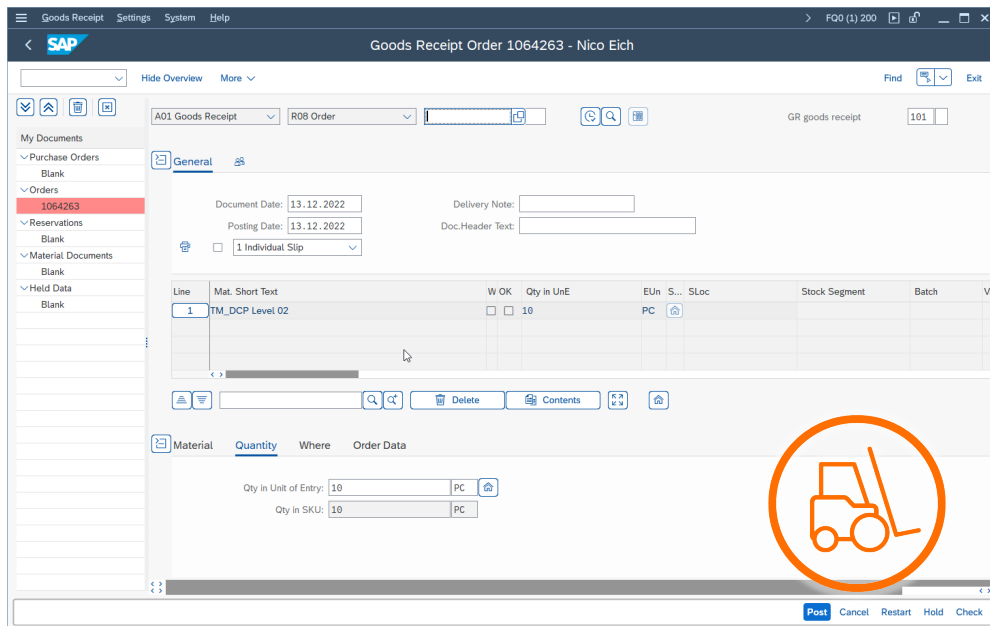


- The basis is the GIB SCX Manufacturing, fully integrated in SAP PP.
- The optimizer runs outside the SAP system and can be operated either in the cloud or on premise.

Manufacturing

New function: BADI at goods receive

When posting a goods movement, an implementation of the MB_DOCUMENT_BADI badi is run through. This ensures that the goods receipt quantity for external processing operation is taken into account in the planning board.



Pos. se...	E/C	First ...	Last ...	Plan ID	fixed	Material	Material Description	PlanDate.S	P-time S	Plan.end	End time	gross...	Unit	Operatin...
40		0010	0010	1064266		DCP750...	TM_DCP Level 02	13.12.2022	09:37:29	13.12.2022	09:45:29	10	PC	480
50		0010	0010	1064263		DCP750...	TM_DCP Level 02	13.12.2022	09:45:29	13.12.2022	09:53:29	10	PC	480
60		0020	0020	1064263		DCP750...	TM_DCP Level 02	13.12.2022	09:53:29	13.12.2022	10:43:29	10	PC	3.000
70		0010	0010	1064265		DCP750...	TM_DCP Level 02	13.12.2022	10:43:29	13.12.2022	10:51:29	10	PC	480
80		0010	0010	1053041		2854		13.12.2022	10:51:29	13.12.2022	11:14:53	1	PC	1.400
90		0010	0010	28204		2850		13.12.2022	11:14:53	13.12.2022	14:00:00	50	PC	9.900
100								13.12.2022	14:00:00	13.12.2022	14:00:00			0
110								13.12.2022	14:00:00	13.12.2022	24:00:00			36.000



More details

Additional new features

- Extensions in the Mobile planning table
- Enhancements in the shopfloor terminal app
- New apps for confirmation time ticket / time event
- Optional scheduling at save
- Determination of direct pegged requirement date
- ...

Success Day presentations

- Today 11:25, Apollino: Newcomer Manufacturing (Philipp Schmidkunz)
- Today 14:40, Apollo: FOX (Björn Knabe, Dr. Alexander Hoffmann)
- Tomorrow 11:40, Apollino: New functions Manufacturing (Nico Eich)

Videos of the new functions presentations are available in the event app



Comment text and comment codes for detail windows

Instead of having only comments on the level of material number/plant/mrp area, you could now also create comment texts inside some of the following detail windows:

- Planned orders / Releases planned orders
- Purchase requisitions / Releases Purchase req.
- Purchase orders / Releases Purchase orders
- Production orders
- Sales orders

Data is reorganized as soon as the order is no longer there in the planning run.

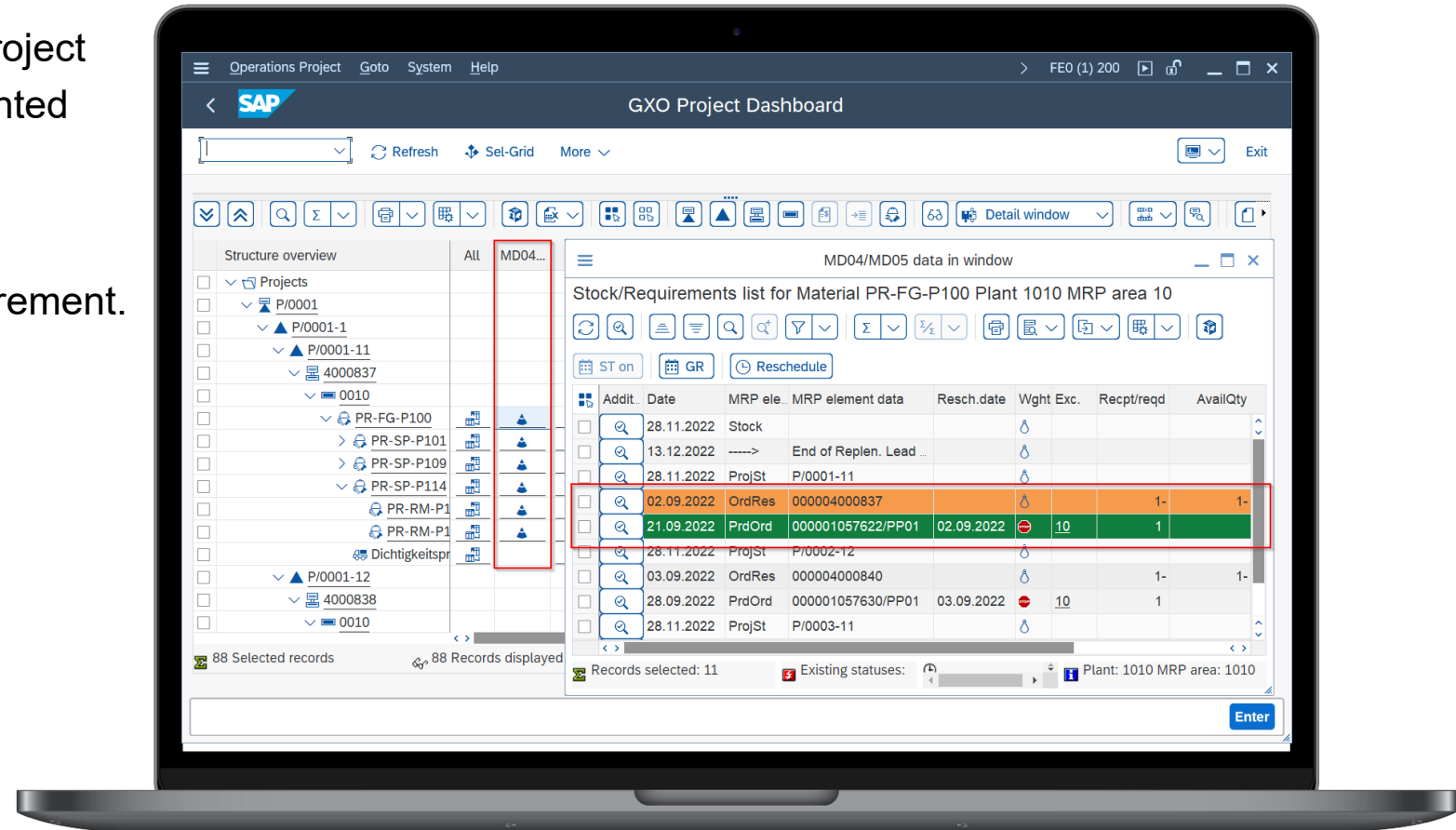
The screenshot displays the SAP Material Overview (MRP list - Requirements) interface. The main table shows purchase requisitions for selected documents. A red box highlights the 'Comment code' and 'Last comment' columns. A detail window titled 'FE0(1)/200 Comment texts' is open, showing the 'Plant' field set to '1000', the 'Last comment' field containing 'test', and the 'Comment code' field set to '1000'.

Material	Short Text	Comment code	Last comment
300031-00	Basismodul - Fremdfertigung		
4500009105 DCO_LOHN_MP_	Dies & das & jenes Motorplat.		
4500009363 300020-00	BolzenBlau3		
300025-00	Armaturenbrett		
FGR_MRPL_ROH	raw material	1000	test
FGR_BANFUEBE	Banübergabe		

Dashboard: Highlighting the receipt in MD04 window

When opening the MD04 window out of the Project Dashboard not only the requirement is highlighted (orange colour), but also the receipt is now highlighted (green colour).

The scrolling is still done on basis of the requirement.



More details

Additional new features

- Bottleneck planning
- New app: Optimization procurement price
- New alert for held purchase orders
- Reservation quantity per batch
- Project: coverage quantities
- ...

Success Day presentations

- Today 12:00, Apollino: Newcomer Procurement (Sven Daniel Heck)
- Tomorrow 12:15, Apollino: New functions Procurement (Sebastian Lindig, Felix Grab)

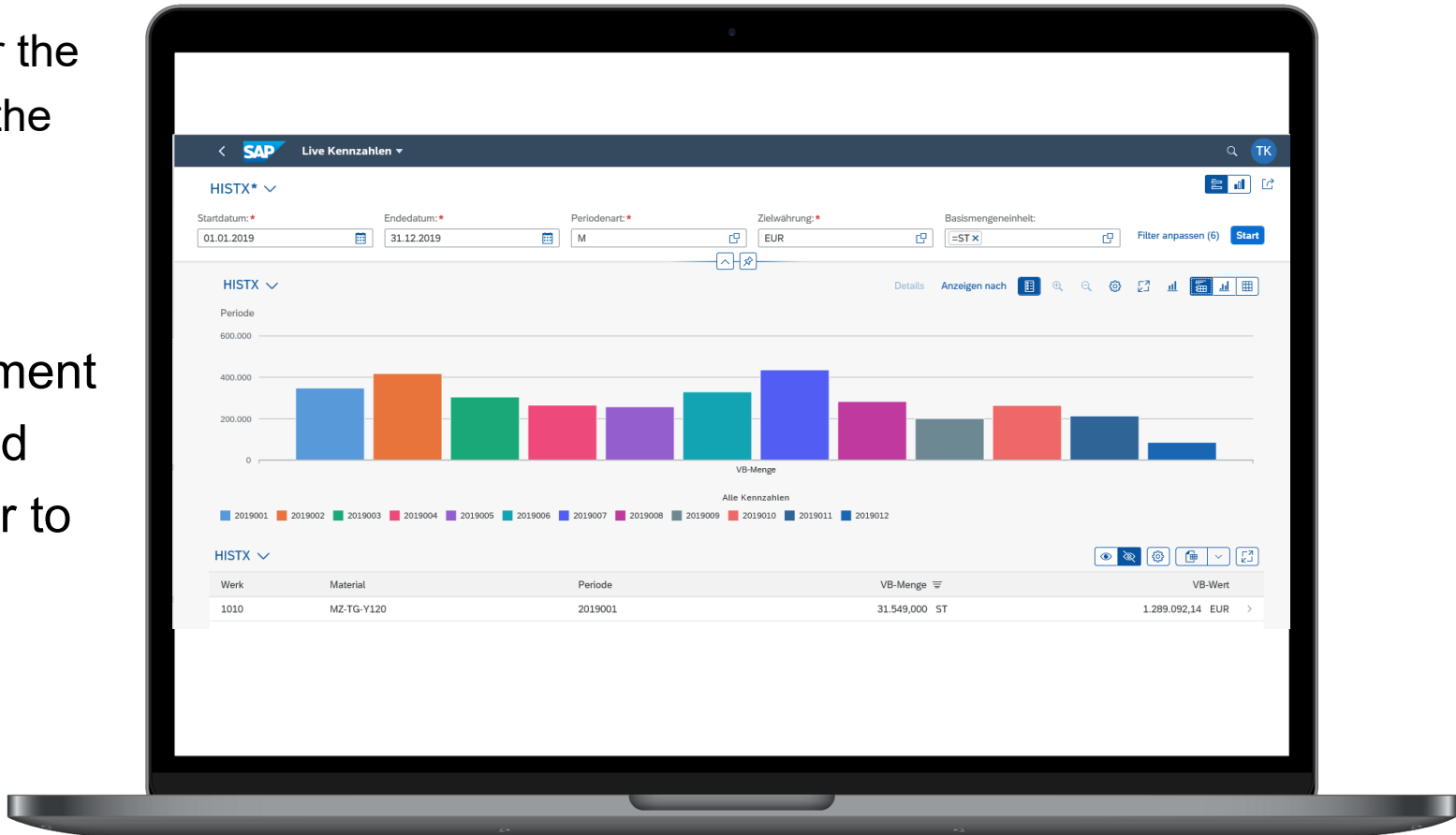
Videos of the new functions presentations are available in the event app

Inventory Management

VDM (virtual data model) - live key figures S/4HANA

Implementation of a virtual data model for the determination of live key figures, without the use of background jobs.

Large parts of our Inventory Management core business logic have been pushed down to the S4/HANA database layer to improve the performance of the determination of our key figures.



Inventory Management

More details

Additional new features

- Enable controlling area for stock in transit
- TWB quantity conversion at runtime
- RWB editable parameters of the indicator group
- Customizable planning horizon of group simulation
- Performance optimization of xyz classification
- ...

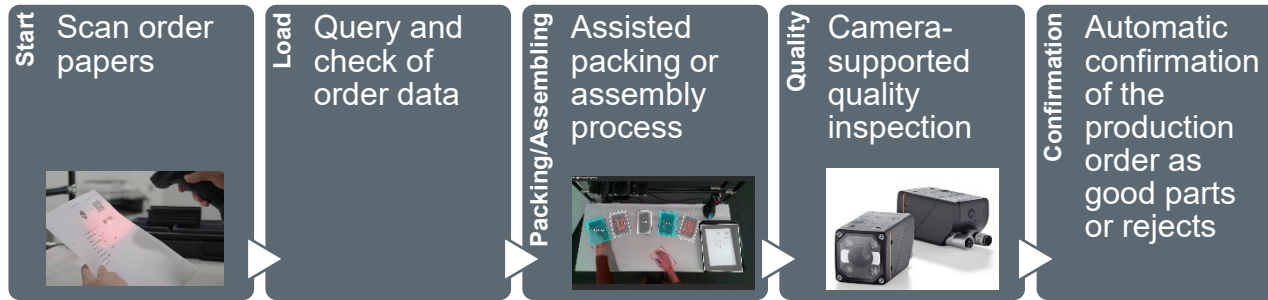
Success Day presentations

- Today 16:20, Apollino: Newcomer Inventory (Sven Daniel Heck)
- Tomorrow 13:45, Apollino: New functions Inventory (Tim Kolb)

Videos of the new functions presentations are available in the event app



SFI



SAP integration for ifm mate

Process flow

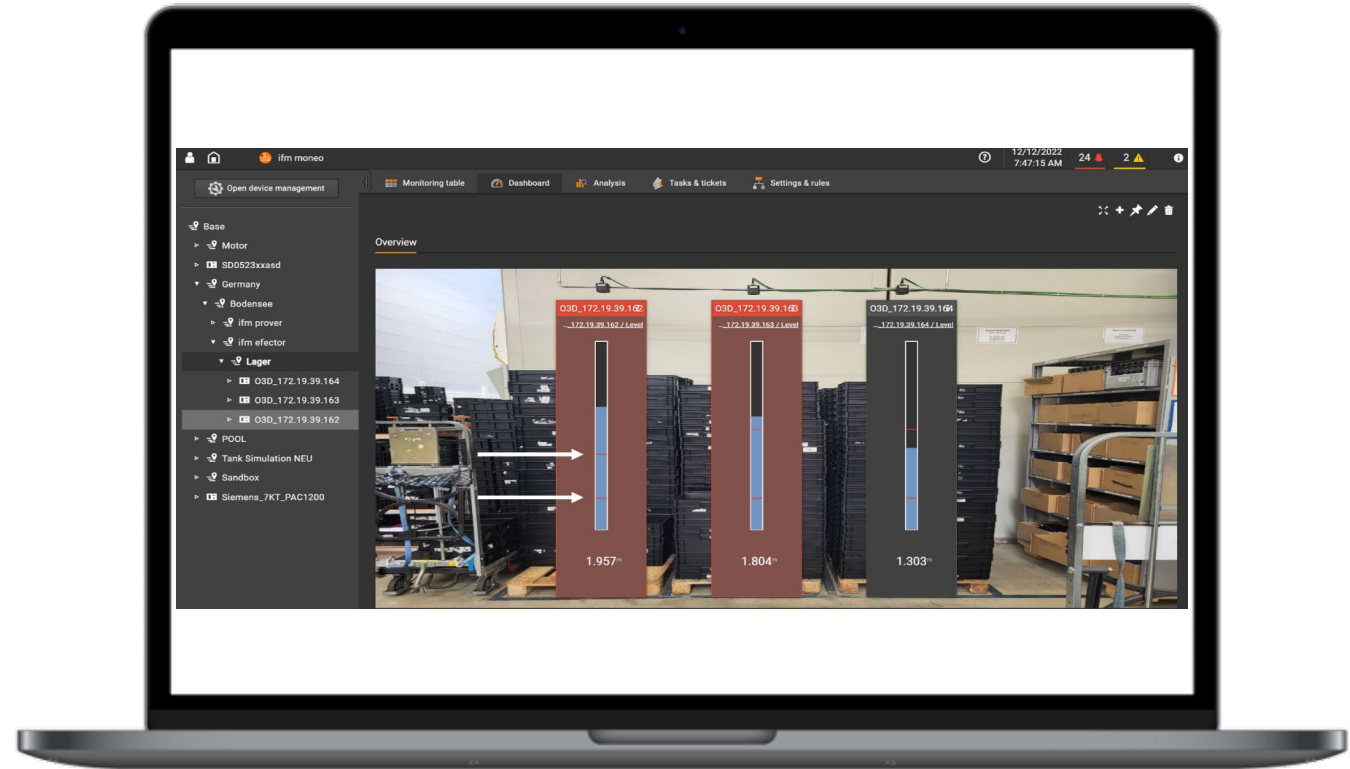
- Onboarding to SAP via SFI with assignment to SAP work center
- Order papers are scanned and order data is read from SAP
- Check if the scanned order matches the mate work center
- mate loads corresponding program that matches the operation
- Assisted assembly/packaging
- Camera-based quality
- Good parts or rejects are confirmed back to SAP
- Current manufactured quantity can be tracked in real time in GXM SFT App



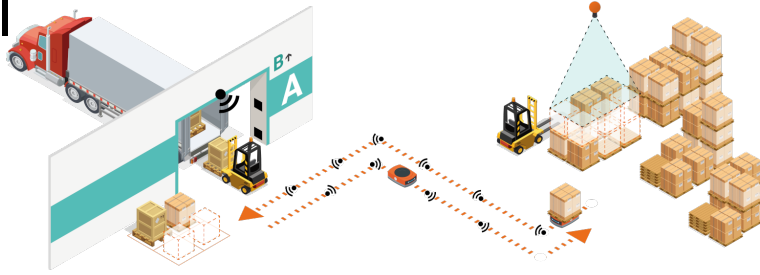
Material Monitoring: Kanban

New provisioning process: Kanban

- SFI now able to automatically trigger status changes in Kanban control cycles
- Initiates provisioning of the material defined in the control cycle in the specified quantity
- Follows the defined supply process (reservation, etc.).
- Setup is done in the rule items in SFI event maintenance



SFI



Automatic goods movement in SAP

New process

- Onboarding options for ifm Track & Trace Gate, plus ifm moneo TTQ Ident Stations
- RFID based
- Tag goods & assign it to materials, handling units, serial numbers and other SAP objects
- Receive tracking data and automatize SAP bookings

AVEVA

SAP integration for AVEVA PI platform

New platform

- Additional IIoT platform supported by SFI
- Start with real-time monitoring scenarios
- Established, widespread platform
- Co-innovation project with customer
- Product formerly known as OSIsoft PI
- Link: <https://www.aveva.com/en/products/aveva-pi-system>



More details

Additional new features

- Display number of events on Fiori Tile
- Multiple handling improvements
 - Notification in case of error
 - Update function in signal onboarding
 - Action log for signals and event definitions
 - Branching to signal maintenance from event maintenance

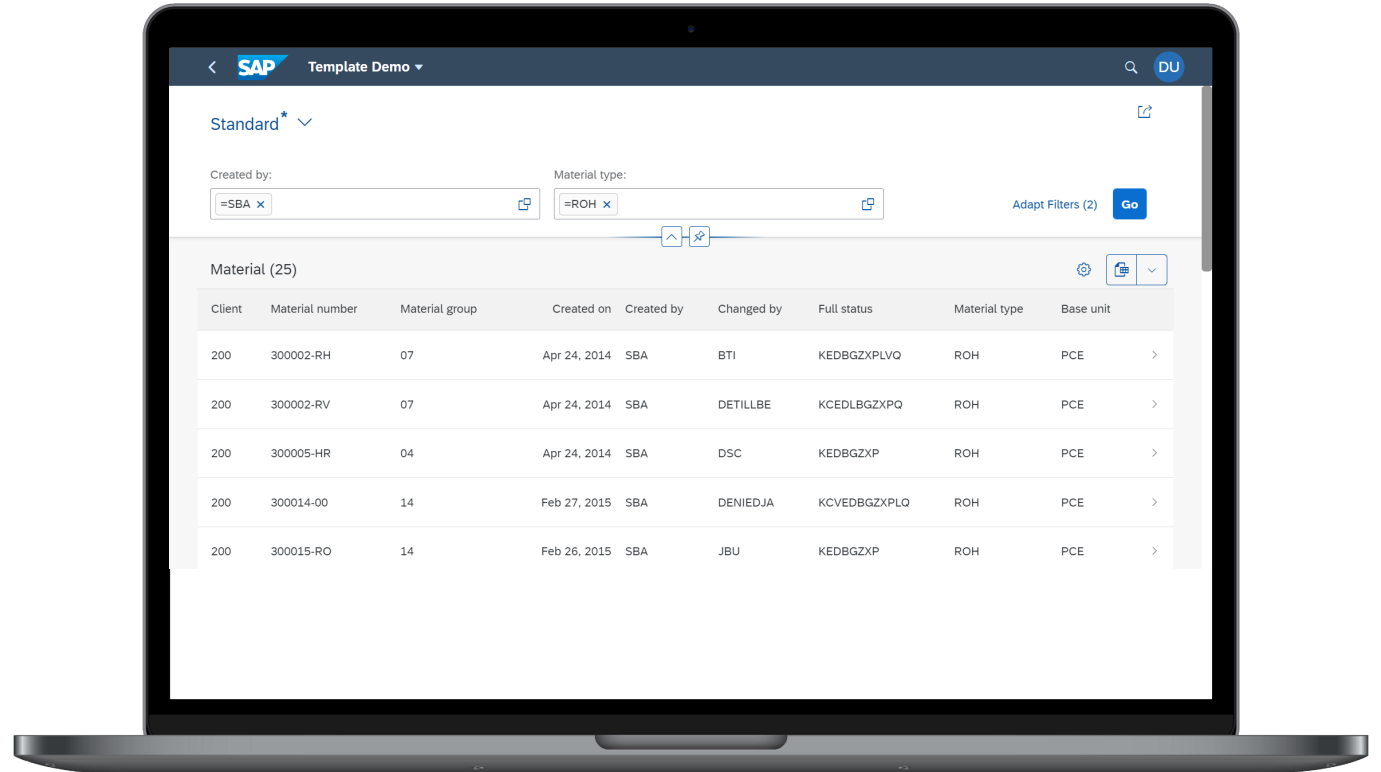
Success Day presentations

- Tomorrow 12:10, Apollo: Autarke Nachschubsteuerung und Echtzeit-Überwachung in der Produktion (Nikolaj Schmitz)
- Goods movement solution is presented in the I4.0 exhibit in the lobby

Templates Fiori - Copy template of an OData service

Using the templates, it is now possible to create an OData service for a report generated from the current ALV-Grid template that can be displayed in a Fiori app.

For this purpose, a template SEGW Gateway Service Builder project as well as methods that facilitate the service creation are available.



Roadmap

Release 24.0 and following

Success Days 2023

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SCX KPIs and Process

What are we working on...

- Substitution process in the frontend
- SCX process in BTP
- Planning scenario for SCX simulation
- ...

		Search	Settings	Hierarchy level:	
▼	»»	SCX Supply Chain	15,25 %		>
>	»»	DPLX Demand	16,67 %		>
>	»»	MFGX Manufacturing	9,80 %		>
▼	»»	PROX Procurement	19,06 %		>
▼	»»	Plan strategic	19,06 %		>
		↳ Available quantity w. planning scenario			>
		↳ Single-item planning Simulation PRO			>
>	»»	Execute operative	19,06 %		>
>	»»	INVX Inventory	30,72 %		>
▼	»»	SLSX Sales&Distrib.	0,00 %		>
>	»»	Analyze operative	0,00 %		>
▼	»»	SCX Administration			>
>	»»	SCX ProcessIndicator			>
>	»»	SCX Process			>



Demand planning

What are we working on...

- Stock segmentation
- Virtual data model
- Evaluation SAP PAL
- ...

The screenshot shows the SAP S/4HANA Demand Planning interface. At the top, there are navigation tabs: List, Edit, Goto, Settings, Environment, System, and Help. Below the SAP logo, there are icons for Show Overview Tree, refresh, filter, mail, and Planned order (WO). The main header area contains the following fields:

- Material: SEGMENTATION_PLN
- Description: Batches and stock segmentation
- MRP Area: 1000 (GIB Industries mbH - LMS)
- Plant: 1000
- Stk Seg.: A ANTA (highlighted with an orange box)

Below the header, there is a table with columns: A..., Date, MRP ele..., and MRP element data. The table contains the following data:

A...	Date	MRP ele...	MRP element data
18.05.2023	18.05.2023	Stock	
02.01.2023	02.01.2023	IndReq	VSF /I900000010
02.01.2023	02.01.2023	IndReq	VSF /I900000011
01.02.2023	01.02.2023	IndReq	VSF /I900000010
01.02.2023	01.02.2023	IndReq	VSF /I900000011
01.03.2023	01.03.2023	IndReq	VSF /I900000011
14.03.2023	14.03.2023	POitem	4500009497/00020
14.03.2023	14.03.2023	PldOrd	0000117033/STCK*
15.03.2023	15.03.2023	PldOrd	0000117345/STCK
15.03.2023	15.03.2023	PldOrd	0000117346/STCK
03.04.2023	03.04.2023	PldOrd	0000117347/STCK
03.04.2023	03.04.2023	IndReq	VSF /I900000010

On the right side, there is a sidebar with the following sections:

- Stock Segment (1) 9 Entries fou..
- Restrictions
- Stock Segm... (with a search icon)
- A ANTA (highlighted with a dashed box)
- A CHN1
- A EMEA
- A NAFTA
- A REST
- B EMEA
- B NAFTA
- C EMEA
- C REST



Inventory

What are we working on...

- Redesign of VDM
 - Key date stock analysis
 - Stock development history
 - Stock around the globe
- Evaluation of different user interfaces
 - i.e. Power Pivot
- ...

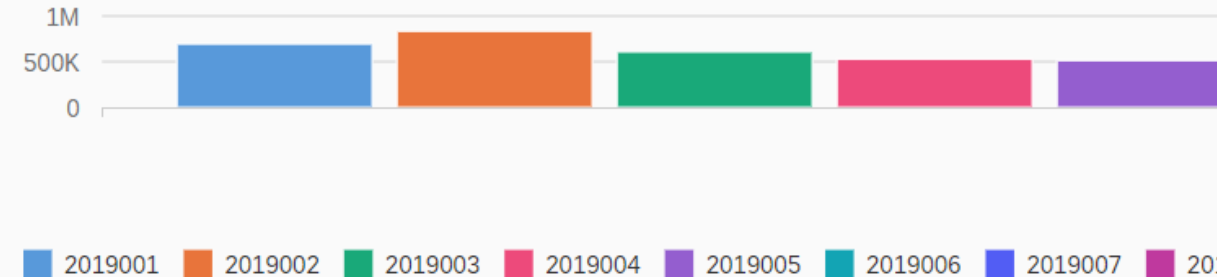


Standard ▾

6 filters active: Start Date, End Date, Period Type, Target Currency, Weight unit, ...

Standard ▾

Period



Standard ▾

Period	Plant	Consumption qty.	Consumpt. value	
2019001	1000	0,000 PC	0,00 EUR	>
2019001	1001	0,000 PC	0,00 EUR	>
2019001	1010	696.314,000 PC	105.763.201,24 EUR	>
2019002	1000	0,000 PC	0,00 EUR	>
2019002	1001	0,000 PC	0,00 EUR	>
2019002	1010	836.276,000 PC	134.273.716,90 EUR	>
2019003	1000	0,000 PC	0,00 EUR	>
2019003	1001	0,000 PC	0,00 EUR	>

Procurement

What are we working on...

- Project: intercompany using PO/Preq/PldO releases
- Batch cockpit
- Open contract quantity in PReq window
- MRP View XLNce
- ...

Structure overview	Plant	Reqmt.date	Req.MRP el	Reqmt.data
Projects				
P/0001				
P/0001-1				
P/0001-11				
PR-RM-P105	1010			
FGR_ABRUF	1000			
FSC_ROH	1000	15.05.2023	DepReq	FGR_ABRUF
4000837				
0010		02.09.2022		
PR-FG-P100	1010	02.09.2022	OrdRes	000004000837
FGR_ABRUF	1010	02.09.2022	OrdRes	000004000837
FGR_ABRUF	1000	10.03.2023	PRqRel	0010086818/00010
FSC_ROH	1000	15.05.2023	DepReq	FGR_ABRUF
PR-FG-P100	1010	02.09.2022	OrdRes	000004000837
P/0001-12				
P/0001-13				

113 Selected records 113 Records displayed



Manufacturing

What are we working on....

- FOX enhancements
- Planning of production resources/tools
- Graphical detail planning
- Reorganisation of working time schemes
- ...

The screenshot displays the SAP optimization run management interface. At the top, there are navigation and action buttons including search, filter, and a 'Delete' button. Below this is a table with columns: Acti..., Clos..., Pha..., Optimizer, Des..., Pha..., and Cre... The table contains several rows of optimization runs, with the first row highlighted in yellow. The first row has 'OPT' as the optimizer and '1' as the phase. The second row has 'OPT_TEST' as the optimizer and 'Test' as the description. The remaining rows have 'OPT' as the optimizer and various phase numbers (1, 3, 2). To the right of the table, there is a partial view of another table with columns 'Action' and 'Pha...'. Below the main table, a message box is visible with the text 'Start of Phase "Datenexpert erstellt"'.

Acti...	Clos...	Pha...	Optimizer	Des...	Pha...	Cre...
			OPT		1	DEE
			OPT_TEST	Test	1	DEE
			OPT		1	DEE
			OPT		1	DEE
			OPT		1	DEE
			OPT		1	DEE
			OPT		3	DEE
			OPT		3	DEE
			OPT		3	DEE
			OPT		2	DEE
			OPT		2	DEE

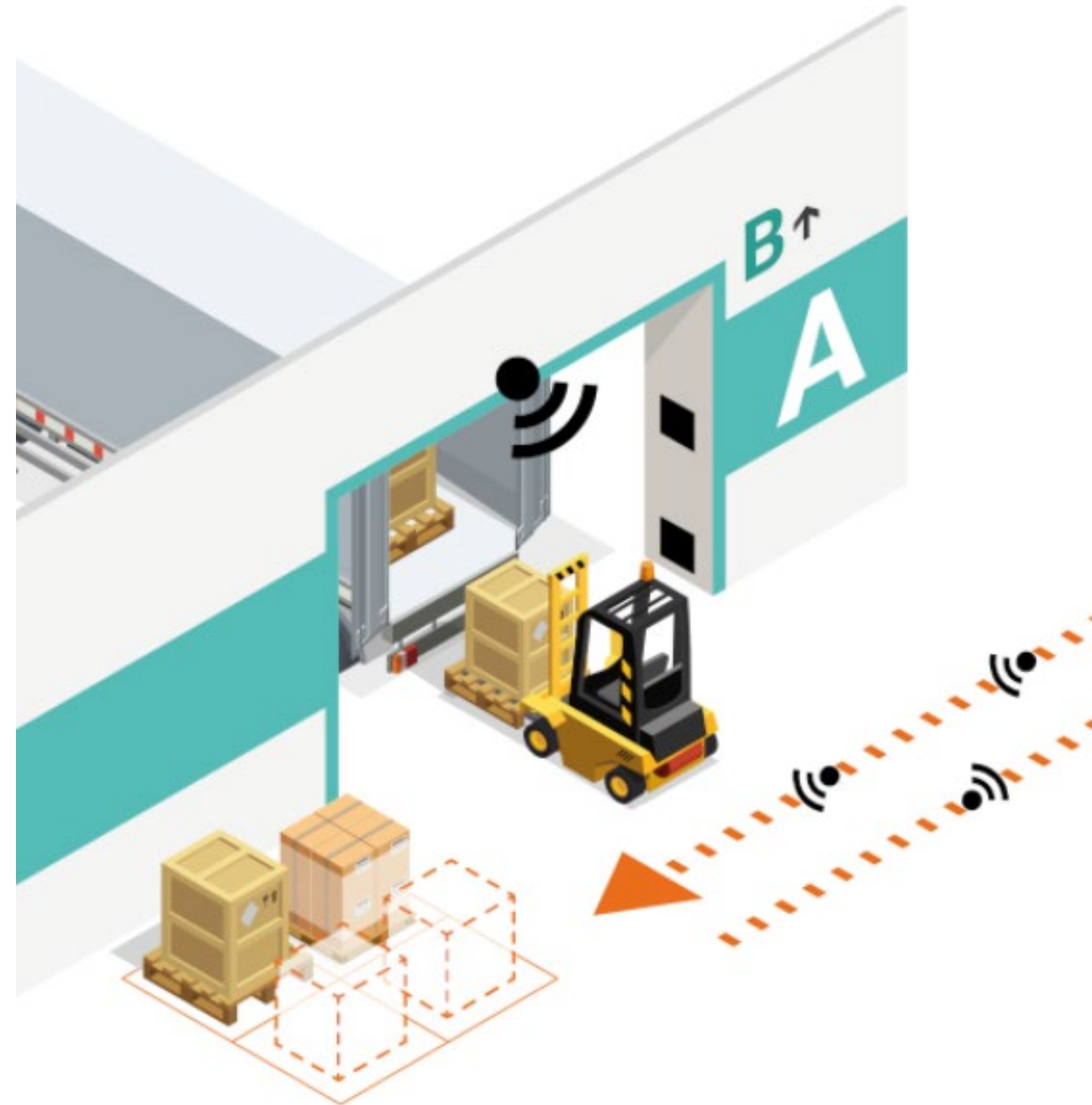
Type	Message Text
	Start of Phase "Datenexpert erstellt"



SFI

What are we working on...

- Concepts/First steps: Further processes with integration to moneo TTQ & TTG (Gate)
 - Plant → Transport → Warehouse
 - Incoming goods from supplier/production → Warehouse
 - Dimension check before storage
 - Check of outgoing goods to trucks
 - Goods movement KPIs (throughput, dwell time, ...)
- Realtime production insights
 - Performance
 - Quantities
 - Process parameters
- Integration of different IoT Cloud
 - Microsoft Azure IoT Core services
 - ifm ecomatic mobile IoT Cloud
- ...



SUCCESS DAYS '23

Vielen Dank für Ihre
Aufmerksamkeit!



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