

Sage X3 What's new?

Bernard Wong

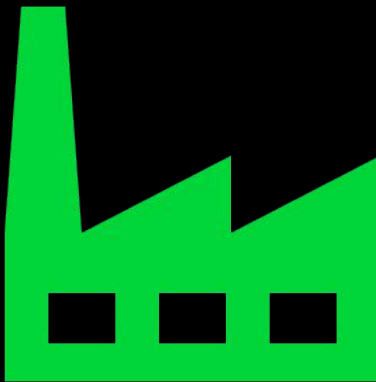


Agenda

- 1) What's new in Manufacturing?
- 2) What's new in PJM?
- 3) Benefits of PJM

What's new?

Manufacturing Management



The new Non-Conformance capabilities allow organizations to implement continuous improvement programs by identifying issues, adjusting and then following up on previously identified issues.

Quality management –

- Non Conformance Management
- This will allow customers to reduce costs, improve customer experiences and drive quality and performance improvements across the board.

Production management –

- Mass replacement and deletion in Versioning
- Revisions - critical changes (add, update, remove) in versioning

Manufacturing

SAGE PRODUCTION SCHEDULER

VERSION

SHOP FLOOR TRACKING

CHANGE CONTROL

NON CONFORMANCE

LPN

TRACEABILITY



NCM FLOW

Non conformance management



Purchase
receipt



Production
tracking



Customer
return



Non conformance
creation



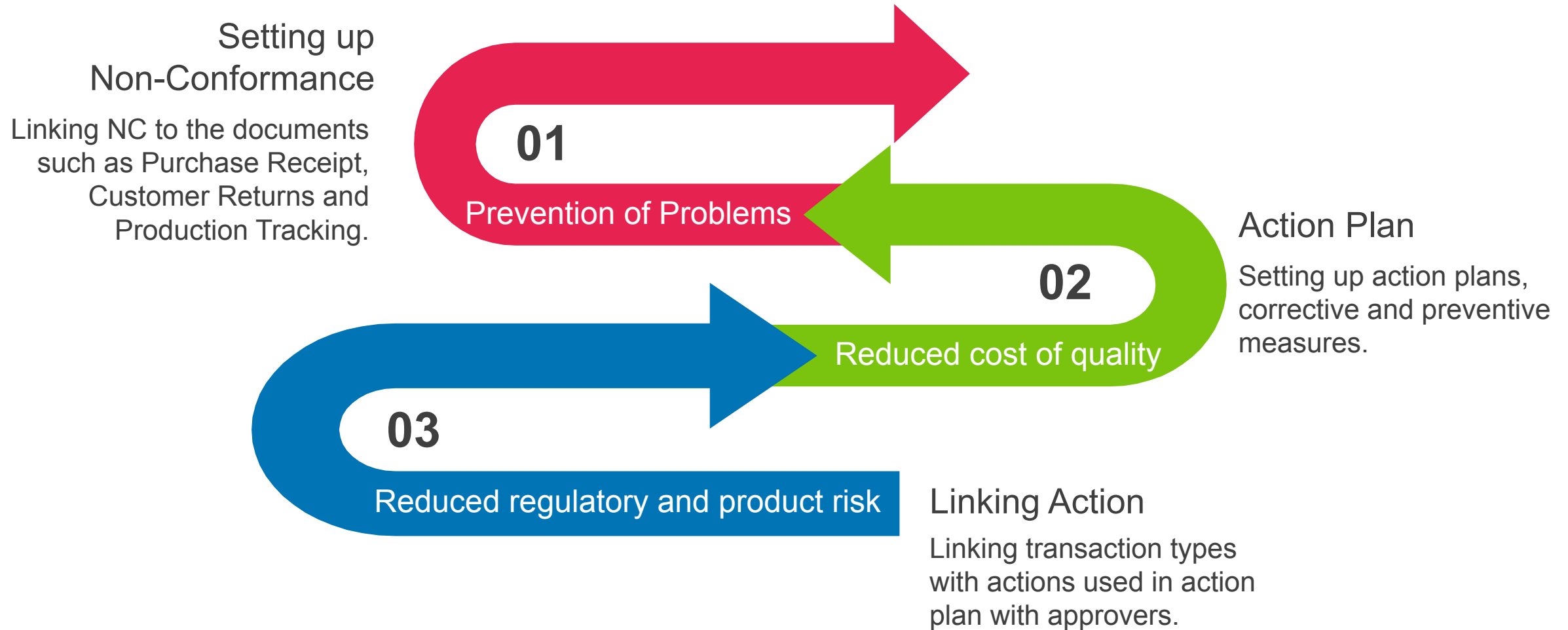
Non conformance
implement



Non conformance
action plan

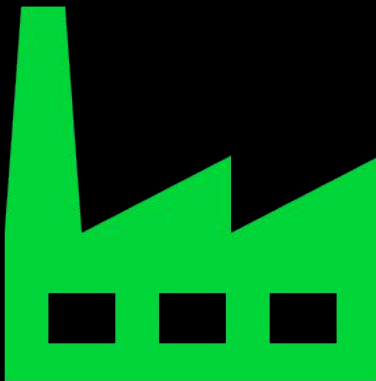
Users
Parameter values
Misc. tables
Actions

Benefit and features of NC

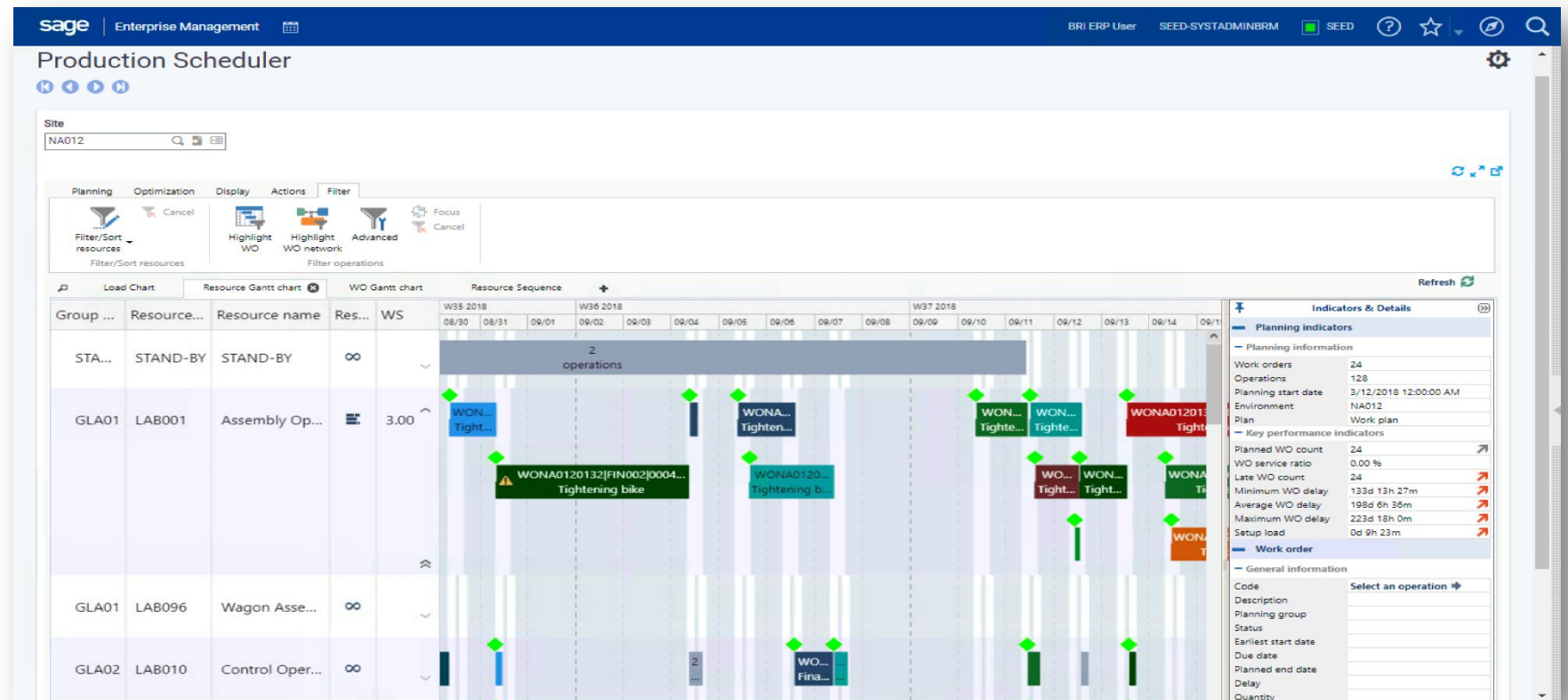


What's new?

Manufacturing Management



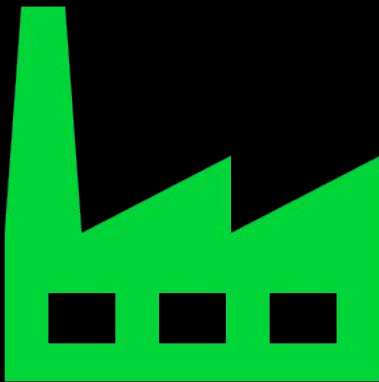
Web Scheduling enhancements focused on improved planning and visibility across the organization. Easily identify dependencies between work orders and raw material availability.



Sage X3 | Version 12.0

What's new?

Manufacturing Management



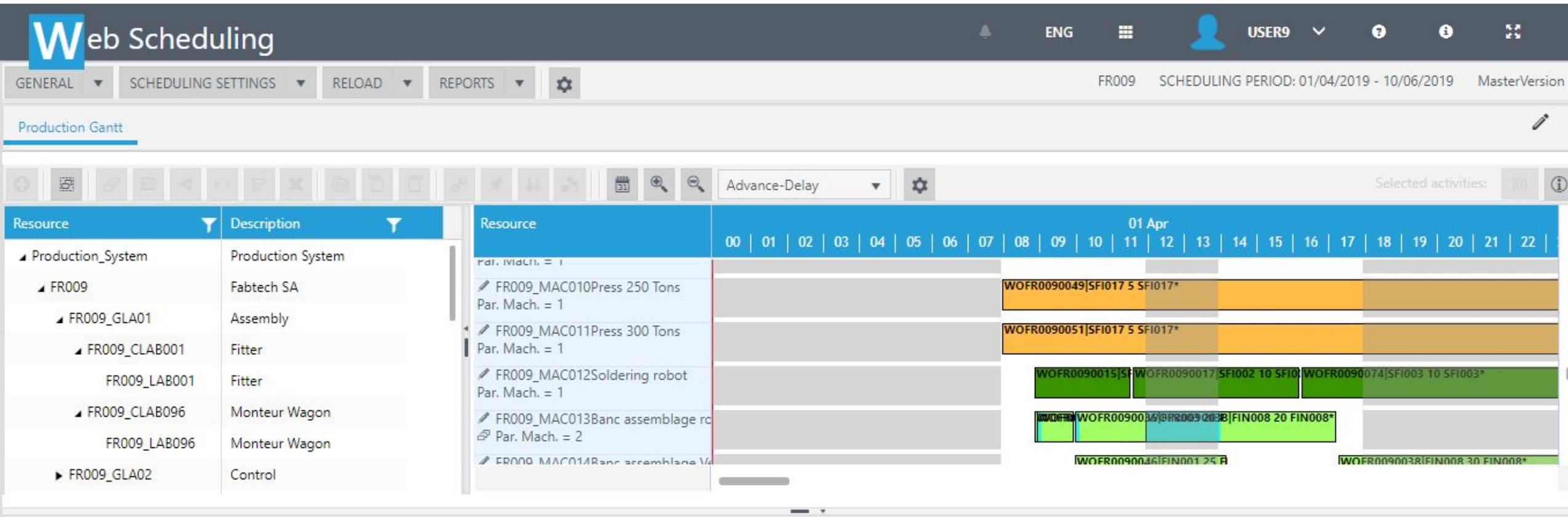
Web Scheduling enhancements focused on improved planning and visibility across the organization. Easily identify dependencies between work orders and raw material availability.

Production Scheduler –

- Raw material availability
- Link between WO
- Custom planning view with new criteria
- Fix operation start date

Sage X3 | Version 12.0

The Production Gantt



Scheduler/ planner view of “freeze” moment-in-time of snapshot of Sage X3 data.

Indicates set of work orders and dates as well as work centers.

Note: This is based on Material Matching Availability (on First Data Material Availability rule).

The Fishing Pond

Fishing Pond

=	<input checked="" type="checkbox"/>		WONA02101...	5	INT301*	Czujnik led na...	800	800	0	Scheduled	0	10/3/2022 8:...	10/3/2022 10...	1/20/2022 6:...	12/30/2022 1...	<input type="checkbox"/>	
=	<input type="checkbox"/>		WONA02101...	5	FIN314*	Priv 1.8 Kg Ci...	2,300	2,300	0	Scheduled	0	10/5/2022 11...	10/5/2022 7:...	1/26/2022 10...	12/30/2022 1...	<input type="checkbox"/>	
=	<input type="checkbox"/>		WONA02101...	10	FIN314*	Priv 1.8 Kg Ci...	2,300	2,300	0	Scheduled	0	10/5/2022 7:...	10/6/2022 10...	1/26/2022 10...	12/30/2022 1...	<input type="checkbox"/>	
=	<input type="checkbox"/>		WONA02101...	5	FIN311*	Priv 450g Cin...	3,500	3,500	0	Scheduled	0	10/5/2022 7:...	10/6/2022 2:...	1/27/2022 10...	12/30/2022 1...	<input type="checkbox"/>	
=	<input type="checkbox"/>		WONA02101...	10	FIN311*	Priv 450g Cin...	3,500	3,500	0	Scheduled	0	10/6/2022 2:...	10/7/2022 10...	1/27/2022 10...	12/30/2022 1...	<input type="checkbox"/>	
=	<input type="checkbox"/>		WONA02101...	5	FIN314*	Priv 1.8 Kg Ci...	2,300	2,300	0	Scheduled	0	10/4/2022 7:...	10/5/2022 11...	1/21/2022 10...	12/30/2022 1...	<input type="checkbox"/>	
=	<input type="checkbox"/>		WONA02101...	10	FIN314*	Priv 1.8 Kg Ci...	2,300	2,300	0	Scheduled	0	10/5/2022 11...	10/5/2022 7:...	1/21/2022 10...	12/30/2022 1...	<input type="checkbox"/>	
=	<input type="checkbox"/>		WONA02101...	5	FIN312*	Pão de passas...	3,000	3,000	0	Scheduled	0	10/3/2022 6:...	10/3/2022 4:...	1/20/2022 10...	12/30/2022 1...	<input type="checkbox"/>	
=	<input type="checkbox"/>		WONA02101...	10	FIN312*	Pão de passas...	3,000	3,000	0	Scheduled	0	10/3/2022 4:...	10/4/2022 10...	1/20/2022 10...	12/30/2022 1...	<input type="checkbox"/>	

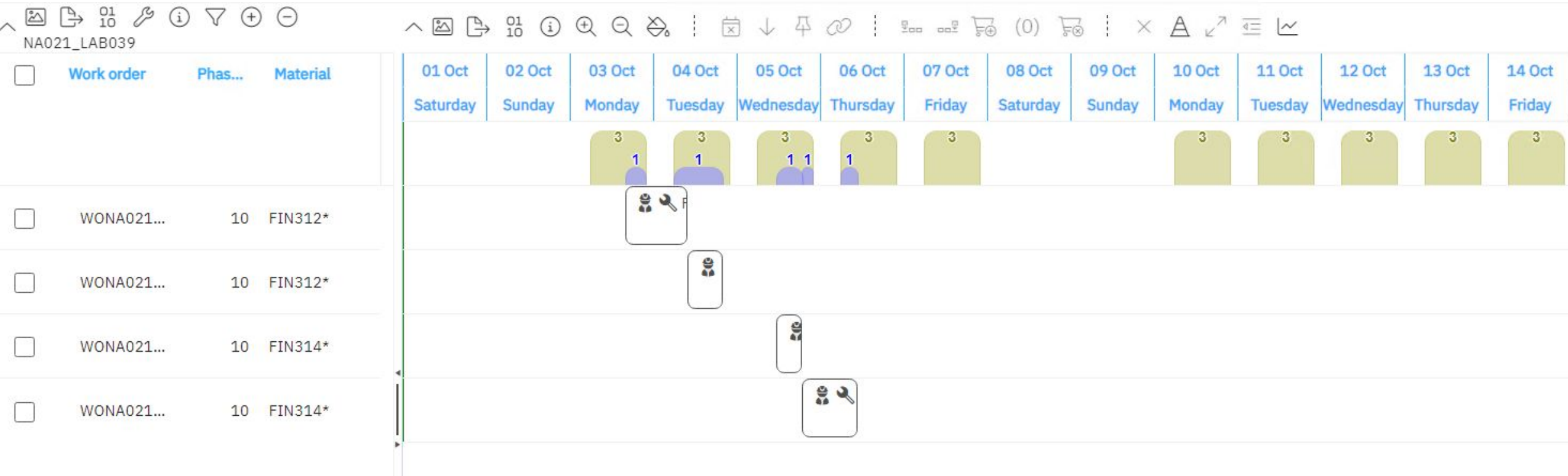
Show a complete list of all operations for scheduling, including those that had been scheduled, partially scheduled, not scheduled, over-scheduled or already scheduled and closed.

To “fish out” operations to be apply to Production Gantt.

Detailed information of each routing operation.

The Resource Gantt

Resource Gantt



Point out that each Resource (work center) can process multiple operations simultaneously.

Enable to visualize all operations scheduled on each work center.

Production Gantt showing one at a time, the Resource Gantt is further break-down of that.



Automated suggestion and analysis for improved production planning

Help better manage and prioritizing demanding customer orders

Reporting for clearer visibility on loads and output

Helps eliminate scheduling via planning board or MS Excel

Enabling multiple simulations to provide for "What-If" analysis to find the best fit schedule

Intuitive user interface with easy navigation and drag and drop

Everyone is working within a single environment with a single source of truth

Enable multiple planners working together in a single environment with segregated scheduling of production lines

Efficient way of scheduling whilst eliminating bottlenecks while scheduling

Timely prediction of disruptive events

Better management of tools

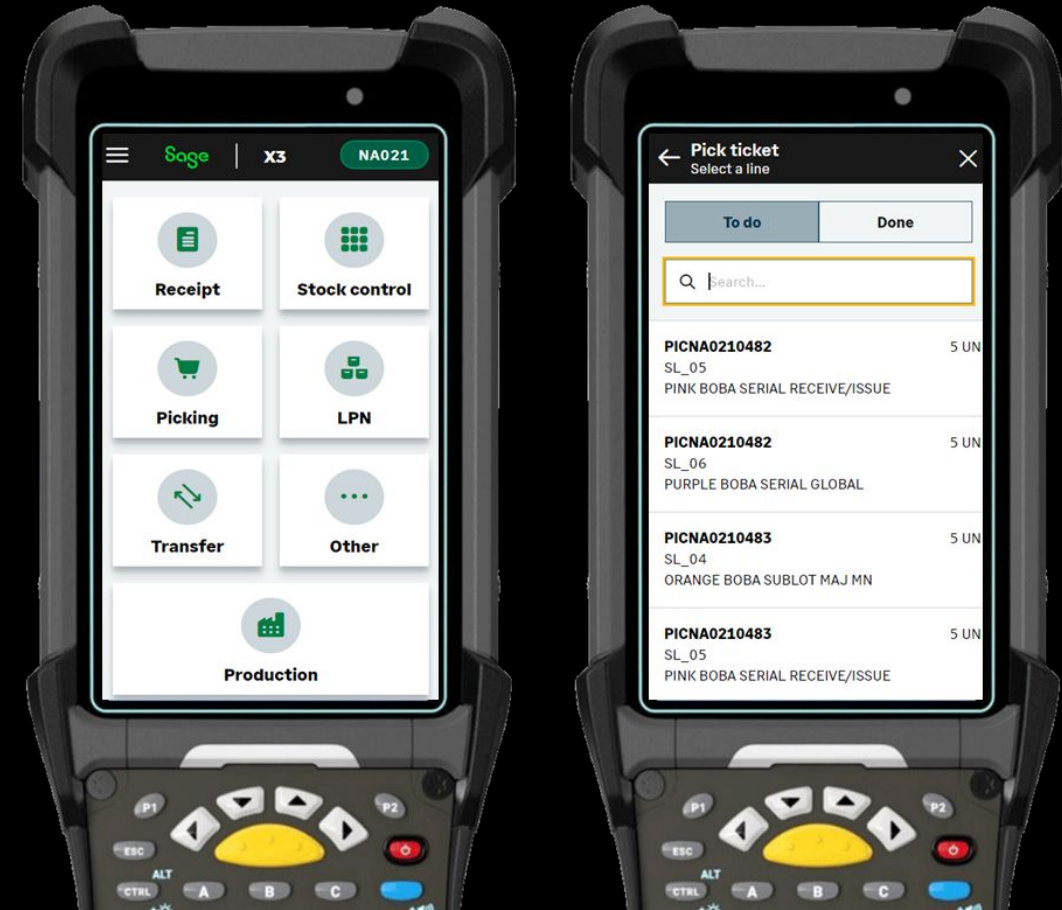
Planning and Engineering department co-op better

Mobile Automation for Sage X3

Domain: Distribution and Manufacturing



- Redevelopment of the Sage X3 Data Collection modules
 - 20 distribution scenarios
 - 5 Manufacturing scenarios
 - 12 Shop Floor Tracking scenarios
- Adaptive experiences
- Workflow and management by exception
- Adoption of native device capabilities e.g. geolocation
- Native App wrapper technology



Mobile Automation

“Production label printing”

stock site: only display the current site

Product (mandatory): scan or select a product existing on the site

Entry no. (optional): scan or enter..

Stock unit (mandatory): select...

Lot (optional): scan or enter..

Sub-lot (optional): scan or enter..

Receipt quantity: enter any value

Expiration date: by default, initiate with today date

Number of labels: enter any value (by default equal to 1)

Label destination: by default, the one from the mobile user's profile.

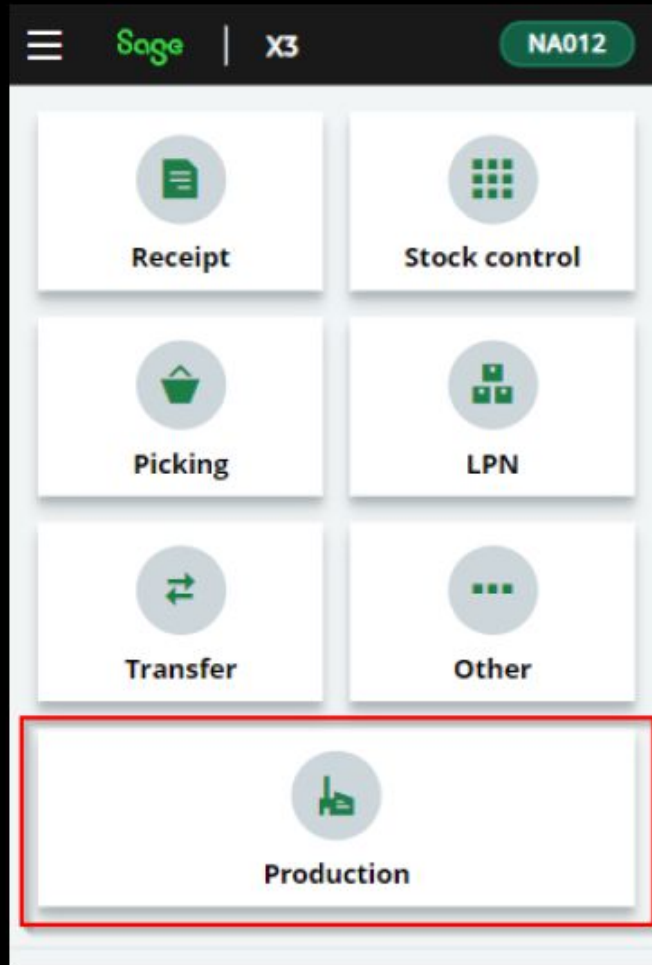
Button "print" => launch the printing of the labels

The screenshot shows a mobile application interface for 'Production Label printing'. The title bar at the top has a back arrow, the text 'Production Label printing', and a close 'X' icon. The form is organized into several rows of input fields:

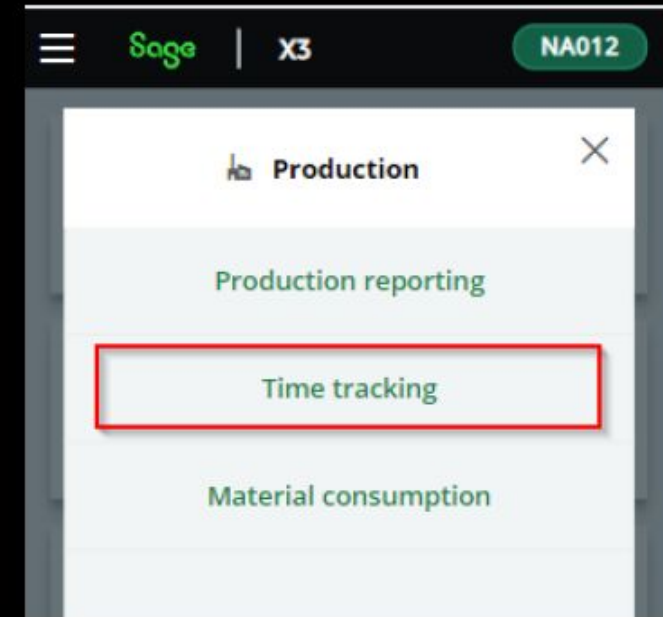
- Product ***: A text input field with the placeholder 'Scan or select' and a magnifying glass icon.
- Site**: A dropdown menu with 'FR021' selected.
- Entry no.**: An empty text input field.
- Stock unit ***: A dropdown menu with 'Select...' and a downward arrow.
- Lot**: An empty text input field.
- Sub-lot**: An empty text input field.
- Receipt quantity**: An empty text input field.
- Expiration date**: A date picker showing '03/25/2022' with a calendar icon.
- Number of labels ***: A text input field containing the value '1'.
- Label destination**: A dropdown menu with 'PRINTER' selected.

At the bottom of the form is a large, light blue button labeled 'Print'.

Mobile Automation - WO tracking: Time tracking



New mobile automation function



Mobile Automation

Domain: Distribution

- Current
- 2022 R3
- 2022 R4
- 2023 R1
- 2023 R2

	Standard			Extended		
Receipt	PO to receive inq.(line)	Purchase receipt	Miscellaneous receipt	Stock inquiry by LPN	Read composite code-device wedge	Label printing on the fly
	PO inquiry	Stock location inquiry	Product-site inquiry	Scan with a mobile phone	Read composite code with the app.	PO worksheet
Move internally	Stock change		Put away	Stock change by LPN	Group the LPN	Unlink a LPN
	Location reorder		Count	Enhancements (EAP)	LPN link	Split a LPN
Shipment	Pick ticket (Discrete picking)		Inter-site Transfers	Pick & Pack	Shipment management	Batch picking
	Miscellaneous issue		Subcontract Transfers	Zone picking	Wave picking	Cluster picking

Sage X3 PJM

Introduction

Sage



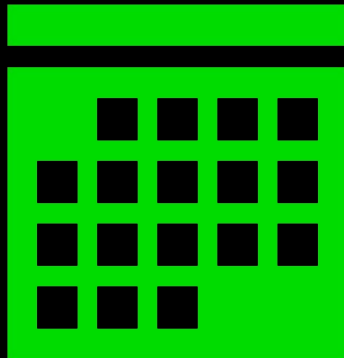
Introduction



- 1) The PJM solution primarily made to cater for needs in MTO/ ETO industry sector
- 2) The solution introduces 2 new structures regarding the existing CRM oriented projects
 - The Cost Breakdown Structure (CBS) with multi-level budgets, to manage project costs
 - The Work and Product breakdown Structure (PBS and WBS) with multi-level tasks, to manage the operational and manufacturing processes.

What's new?

Project Management



Sage X3 | Version 12.0

Project Management (PJM) Enhancements focused on financial control, budget management and snapshot management. This allows for improved cost management and better control of project profitability.

Sage X3 ERP-SYSTADMIN

All > Projects > Projects

Project management

General Financial status Revenues Assigned employees Associated projects Competitors Analytical dimension

Cost structure

Financial status

Extraction date: 04/03/20 Extraction method: Manual

Financial status		Remaining	
Budget Amount	34,358.16	Left to commit	33,508.16
Committed		Budget remaining	33,508.16
Actual	850.00	Total	
		Provisional cost price	34,358.16
		Margin Amt	
		% Amt	

Revenues		Credit memos	
Total Revenue	60,000.00	Budget Margin	25,641.84
Real Margin	25,641.84	%	42.74
Quoted		To be converted	
Ordered	60,000.00	To be invoiced	60,000.00
Invoiced		To be paid	

Assigned employees

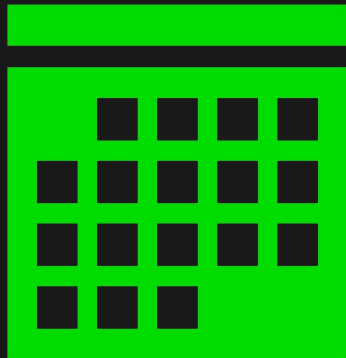
Load and capacity	Employee	Name	Role	Description
1	PJGEL	Garret Elliot	PD	Project Director
2	PJMNG	Morgan Nguyen	PM	Project Manager
3				

Associated projects

Code	Description	Consolidation
1		

What's new?

Project Management



Project Management (PJM) Enhancements focused on financial control, budget management and snapshot management. This allows for improved cost management and better control of project profitability.

Financial Tracking –

- Multi projects consolidation in Financial overview
- Financial snapshot and comparison
- Global tree view of tasks and budgets assignments for a project

Project Planning –

- Task dependencies / Task operation dependencies
- Project baseline snapshot
- Graphical timeline of the task planning

Reporting –

- KPIs (sales margin analysis, budgets, commitments...)

Projects Budget Situation

MY PROJECTS : REVENUE SITUATION

16 Results Display: 10

Project number	Description	Quote in progr...	Ordered	Invoiced	To
FR0111609000001	RTC Rotating Tower Crane 40M (En/Fr)	0	359,905.6	359,905.6	
FR0111610000004	RTC-2 Tower Crane 40M (En)	0	242,200	220,000	
FR0111610000005	RTC-2 Rotating Tower Crane 40M (Fr)	0	0	0	
FR0111610000008	RTC Rotating Tower Crane 40M (En)	0	0	0	
FR0131611000014	Chain conveyor KD47	22,761	27,313	27,313	
FR0131612000015	Chain conveyor LK 27	0	0	0	
FR0131612000017	Convoyeur à chaines Z405	0	0	0	
FR0131701000020	Convoyeur à chaines DM 455	0	27,250	27,250	
GB0131612000018	Chain conveyor LK 12	0	27,250	27,250	
GB0131612000019	Chain conveyor LK 12 B	0	27,250	27,250	

MY PROJECTS : BUDGET SITUATION

Project number	Description	Budget amount	Rema
FR0111609000001	RTC Rotating Tower Crane 40M (En/Fr)	439,049.77	
FR0111610000004	RTC-2 Tower Crane 40M (En)	230,640	
FR0111610000005	RTC-2 Rotating Tower Crane 40M (Fr)	146,550	
FR0111610000008	RTC Rotating Tower Crane 40M (En)	157,284.36	
FR0131611000014	Chain conveyor KD47	20,142	
FR0131612000015	Chain conveyor LK 27	23,794.14	
FR0131612000017	Convoyeur à chaines Z405	20,140.45	
FR0131701000020	Convoyeur à chaines DM 455	20,240.45	
GB0131612000018	Chain conveyor LK 12	17,095	
GB0131612000019	Chain conveyor LK 12 B	17,195	

MY PROJECTS: MARGIN SITUATION

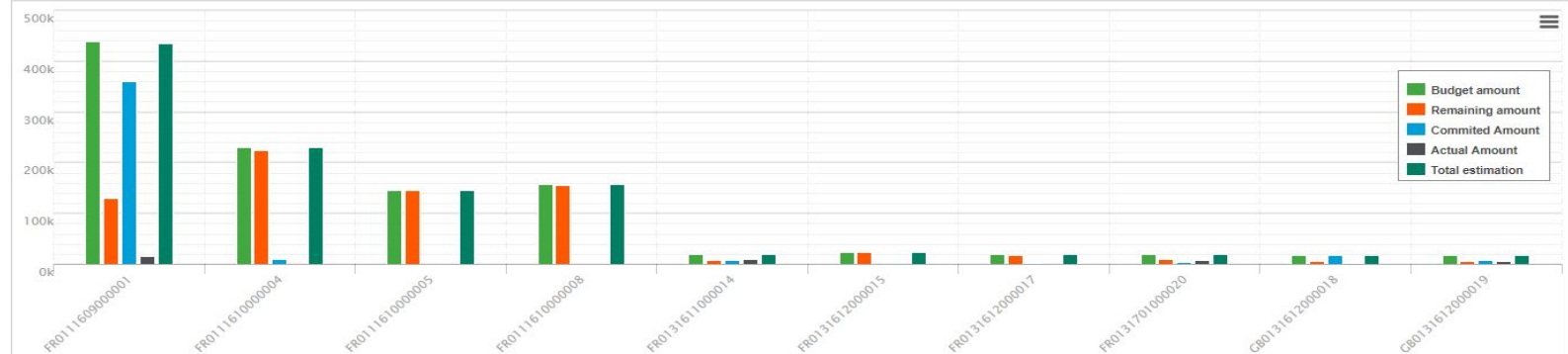
20 Results Display: 10

Project number	Description	Budget margin	Budget on total
FR0111609000001	RTC Rotating Tower Crane 40M (En/Fr)	4,859	-18,284
FR0111609000001	RTC Rotating Tower Crane 40M (En/Fr)	-84,004	-127,528
FR0111610000004	RTC-2 Tower Crane 40M (En)	5,780	5,560
FR0111610000004	RTC-2 Tower Crane 40M (En)	5,780	760
FR0111610000005	RTC-2 Rotating Tower Crane 40M (Fr)	0	0

MY PROJECTS : BUDGET SITUATION

16 Results Display: 10

Project number	Description	Budget amount	Remaining amount	Committed Amount	Actual Amount	Total estimation
FR0111609000001	RTC Rotating Tower Crane 40M (En/Fr)	439,049.77	129,496.19	360,925.13	15,295.99	435,782.33
FR0111610000004	RTC-2 Tower Crane 40M (En)	230,640	224,540	10,540	800	231,080
FR0111610000005	RTC-2 Rotating Tower Crane 40M (Fr)	146,550	146,550	0	0	146,550
FR0111610000008	RTC Rotating Tower Crane 40M (En)	157,284.36	156,429.96	448.56	598.08	157,476.6
FR0131611000014	Chain conveyor KD47	20,142	8,233.83	8,026.8	9,414.84	20,142
FR0131612000015	Chain conveyor LK 27	23,794.14	23,794.14	0	0	23,794.14
FR0131612000017	Convoyeur à chaines Z405	20,140.45	18,623.86	1,398	118.59	20,140.45
FR0131701000020	Convoyeur à chaines DM 455	20,240.45	10,696.16	3,638.25	8,537.54	20,240.45
GB0131612000018	Chain conveyor LK 12	17,095	6,661.02	17,048.69	2,645.65	17,095
GB0131612000019	Chain conveyor LK 12 B	17,195	6,122.72	8,274.49	5,914.35	17,195

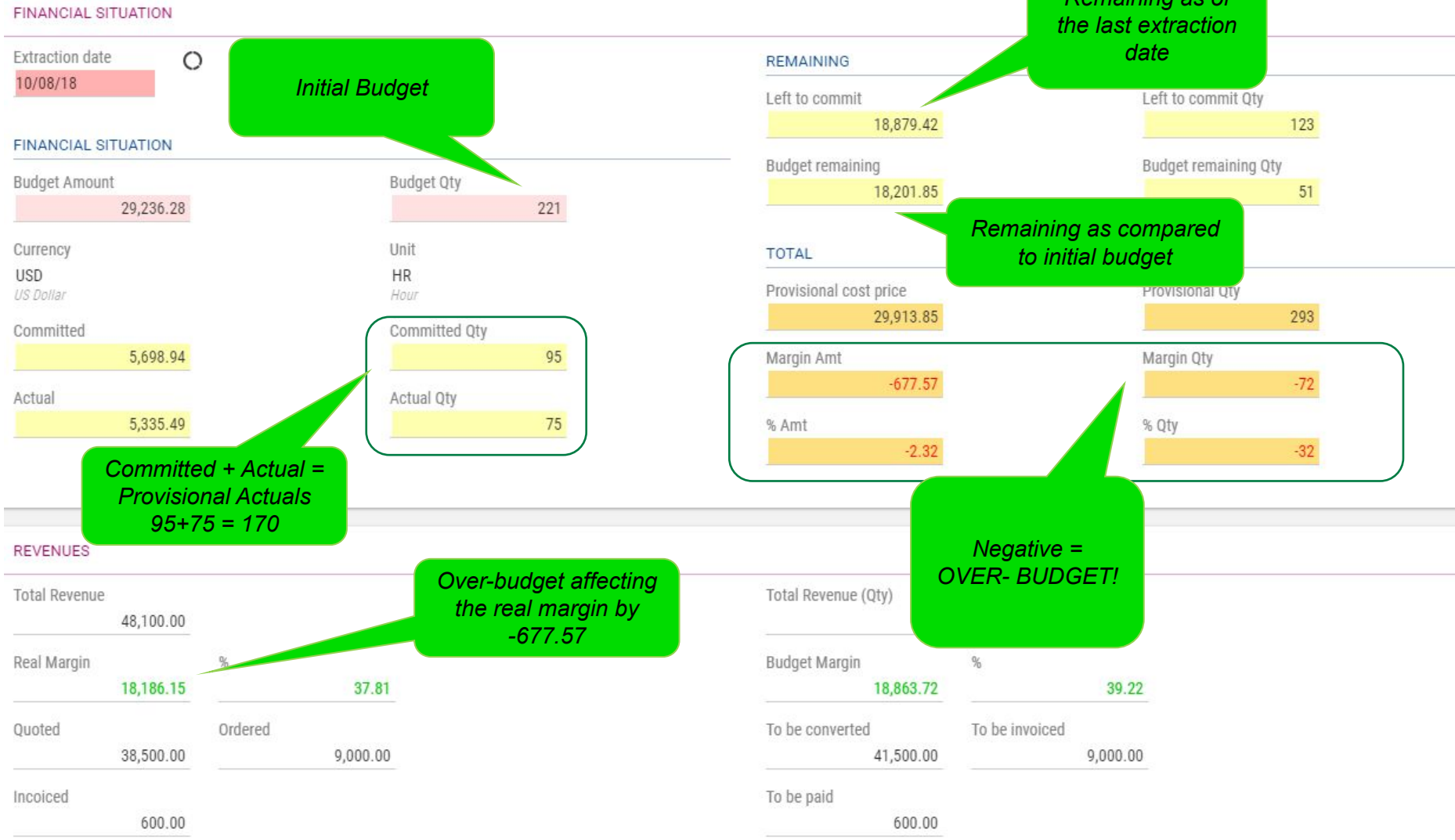


Monitor your Project

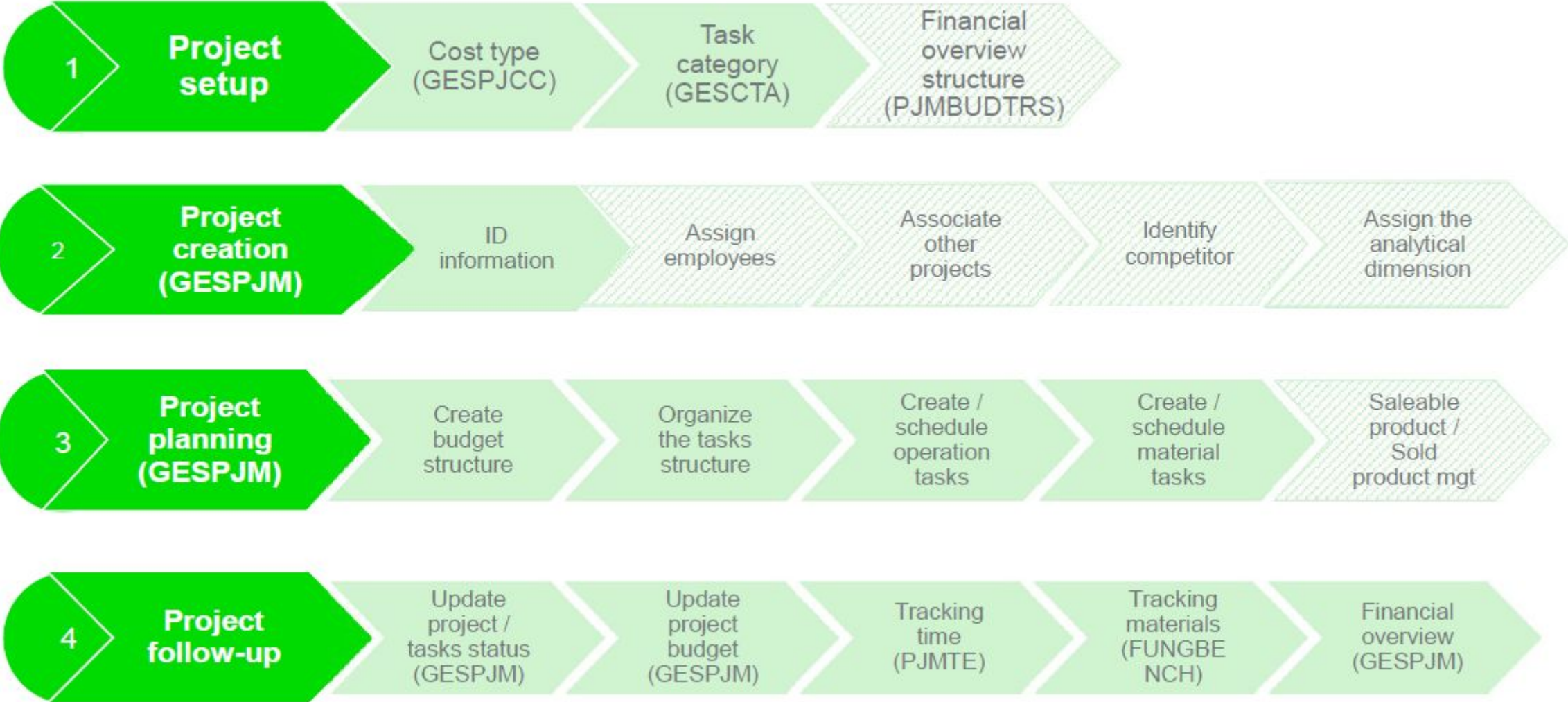
Directly from the project header you can have at first sight a summary of the main figures of the project regarding its financial situation and its revenues

The project manager can see the overall budget of the project, the level of their commitment and actuals. He can also see the left to commit and the instant margin

In the revenue part the PM can track the evolution of the billing and the margin of the project



Project Phases in PJM



Helps in Project Initialization

Cost structure

Create sub-level

Budget Budget lines Budget detail Financial status Revenues Status

- Expand all
- NA01320040000
- B-010 [Spe
- B-020 [Purch
- B-030 [Solut
- B-040 [Solut
- B-050 [Misc

Financial overview allows you to view each budget code by cost type.

- So the creation of cost type(s) for the stock to use on the project, will allow to breakdown the budget / committed / actual amounts and revenue tracking
- Same for expenses
- Same for misc. project costs

In that case there is no labor rate no labor unit

The cost type group allows a **consolidation by group in the financial overview.**

Cost types

Expand all

	Budget Amount
B03 Manufacturing	12,349.60
MATERIALS Materials	3,630.00
SPEPRODUCT Specific products	3,030.00
STDPRODUCT On stock Products	600.00
TIME Time	8,719.60
MACHINE Time of Machine	3,889.60
WORKER Time of Worker	4,830.00



Project Timeline

Timeline

 Timeline Messages



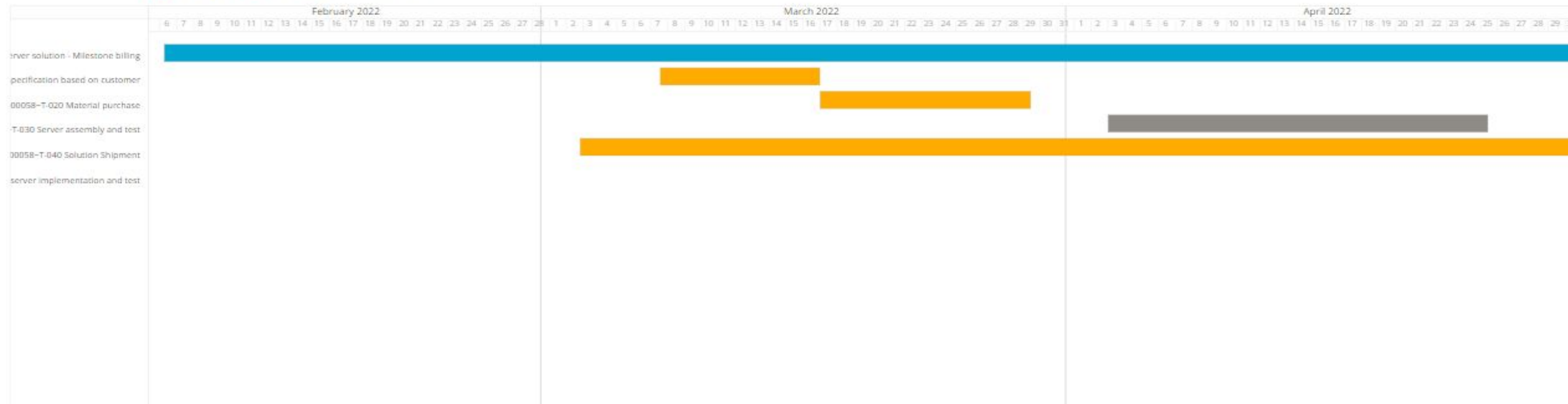
Selection

- All levels
- Associated projects
- Product requirements
- Operations

Timeline

Show list 

Project Task Product Operation Parent task Other



Materials Planning as per project

Enterprise planning MFGP : Manufacturing & PJM

Filters

Site:
 User:
NA Project Sage X3 Model


Start - end range

From product:
 To product:
 Allergens:
 From requirement end date:
 To requirement end date:

WO to process

	Product	Order type	WIP status	S...	Planned qty.	Requiremen...	Or...	Entry	Product description	Start date	End date	Project
1	BMS112	Project demand	Firm	UN	2	02/28/2022	MTF	TAS000000000583	Blade server rack	02/03/22	02/28/22	NA0132001000050!T-020
2	BMS112	Project demand	Firm	UN	2	02/28/2022	MTF	TAS000000000583	Blade server rack	02/03/22	02/28/22	NA0132001000050!T-020
3	BMS113	Project demand	Firm	UN	2	02/28/2022	MTF	TAS000000000583	Uninterruptible Power Supply	02/03/22	02/28/22	NA0132001000050!T-020
4	BMS111	Project demand	Firm	UN	8	02/28/2022	MTF	TAS000000000583	Blade server unmount	02/03/22	02/28/22	NA0132001000050!T-020
5	BMS113	Project demand	Firm	UN	2	02/28/2022	MTF	TAS000000000583	Uninterruptible Power Supply	02/03/22	02/28/22	NA0132001000050!T-020
6	BMS111	Project demand	Firm	UN	8	02/28/2022	MTF	TAS000000000583	Blade server unmount	02/03/22	02/28/22	NA0132001000050!T-020
7	BMS112	Project demand	Firm	UN	1	02/28/2022	MTF	TAS000000000588	Blade server rack	02/03/22	02/28/22	NA0132001000051!T-020
8	BMS113	Project demand	Firm	UN	1	02/28/2022	MTF	TAS000000000588	Uninterruptible Power Supply	02/03/22	02/28/22	NA0132001000051!T-020
9	BMS111	Project demand	Firm	UN	4	02/28/2022	MTF	TAS000000000588	Blade server unmount	02/03/22	02/28/22	NA0132001000051!T-020
10	BMS113	Customer order	Firm	UN	1	02/06/2022	SOF	SONNA0130011	Uninterruptible Power Supply	02/06/22	02/06/22	NA0132002000054
11	BMS111	Supplier order	Suggested	UN	8	02/28/2022	POS	SUGNA0130462499	Blade server unmount	02/28/22	02/28/22	NA0132001000050!T-020


Expense entry per project

Sage | X3 

All > A/P-A/R accounting > Expense notes

↑ ↑ ↓ ↓ Expenses form entry



Employee * Start date End date

→ PJGEL  01/01/22 12/31/22

Garret Elliot

Access

Details

	Site	Co...	Date	Code	Pict...	Curr.	Qty.	Actual amt.	Amount + tax	Tax	Tax am...	Cost Center	Project
1	FR013	FR10	06/12/22	FRHOTEL		EUR	1	200.00	200.00	001	33.33	PROD-CYC	FR0131906000047
2	FR013	FR10	06/12/22	FRHOTEL		EUR	1	200.00	200.00	001	33.33	PROD-CYC	FR0131906000048
3	FR013	FR10	06/12/22	FRHOTEL		EUR	1	200.00	200.00	001	33.33	PROD-CYC	FR0131906000049
4	NA013	NA10	06/12/22	NAHOTEL		USD	1	200.00	200.00			PROD-CYC	NA0131906000044
5	NA013	NA10	06/12/22	NAHOTEL		USD	1	200.00	200.00			PROD-CYC	NA0131906000045
6	NA013	NA10	06/12/22	NAHOTEL		USD	1	200.00	200.00			PROD-CYC	NA0131906000046
7													

Traceability from Project to WOs

Sage | X3

All > Manufacturing > Inquiries

↕ ↑ ↓ ↕ **List of WOs**

Production

Production site * → NA013 Q ⋮

Order status Firm Planned Q ⋮

Project Company

Start date [] []

End date [] [] Selection formula → Q ⋮

Start - end range

Work order [] []

Released product → [] [] 0 Q ⋮

Routing [] [] 0 Q ⋮

Project [] []

Whole project

Original document [] []

Select components

Component → [] [] Selection formula → Q ⋮

Materials detail

Sel. operations

Expected W/C [] [] Actual work center [] [] Selection formula → Q ⋮

Operations detail

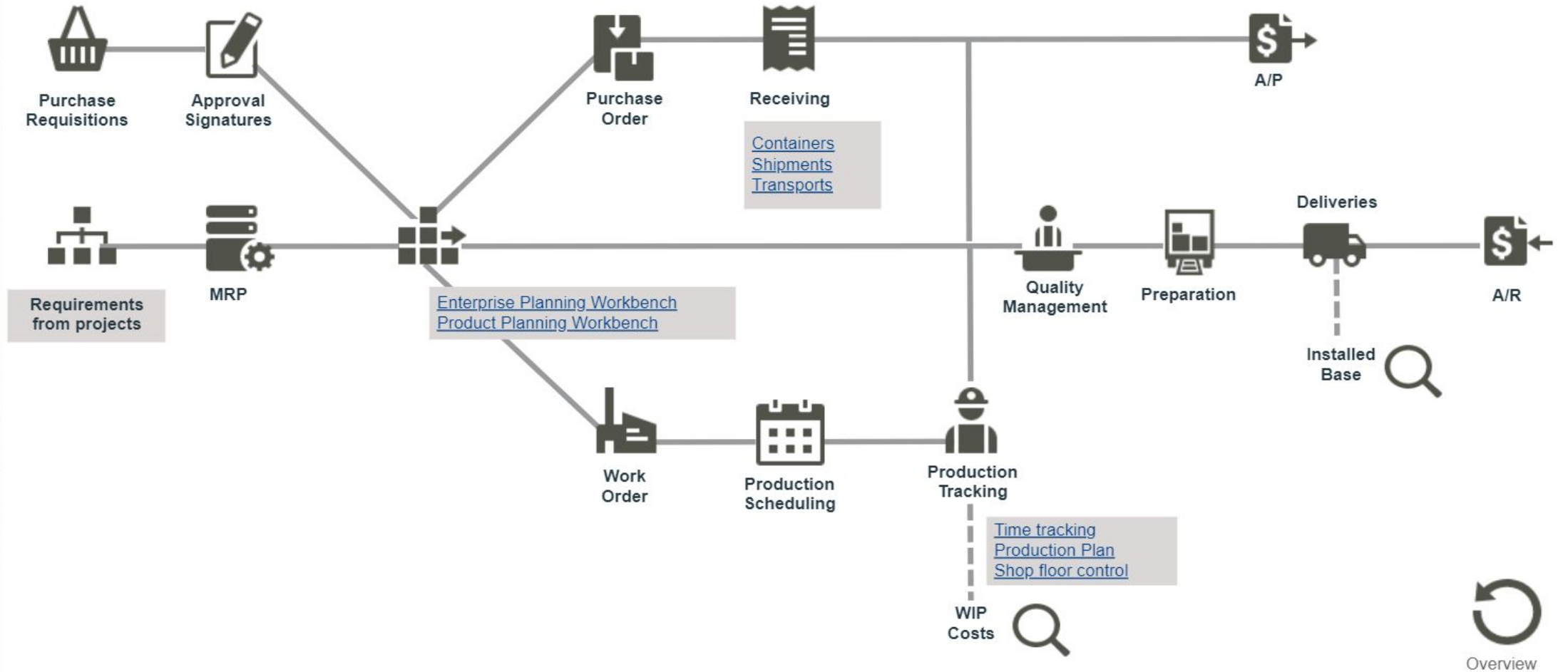
Production

⋮ Q

	No. W.O.	Status	Product	Product description	Major ve...	Minor ve...	WO line	Pro...	S...	Planned quanti...	Actual accepte...	Lot	Allocation d...
1	WONA0130001	Firm	SFI021	Control console			1000	NA013	UN	1			
2	WONA0130002	Firm	SFI022	Base of the machine			1000	NA013	UN	1		1	
3	WONA0130003	Firm	SFI023	Basic frame			1000	NA013	UN	1			

PJM – Visual Process Flow

Project Material Management



Financial overview

The PM can have this accuracy for all the budgets of a project or the project and its associated ones at the same time.

We can see there that our project is associated to another one

If we go to the financial overview of the project, we can see then the details of all the budgets of the project and their cost type.

As we have already seen we can justify by the detail the position of all the cost type

The screenshot displays the Sage X3 Financial Overview interface. At the top, the navigation bar shows 'Sage X3' and 'MODX3 ERP-SYSTAD'. The breadcrumb trail is 'All > Projects > Projects > Overview'. The main heading is 'Financial overview', with sub-headers for 'Cost structure' and 'Cost type'. The interface includes several filters: 'Project *' (NA013180900032), 'Financial view *' (10), 'Time unit *' (HR), 'Currency *' (USD), and an 'Associated projects' checkbox. Below the filters, the 'Cost structure' table is expanded, showing a hierarchy of project components. The 'Cost type' table is also expanded, showing the breakdown of costs into categories like EXPENSES, MATERIALS, and TIME.

	Budget Qty	Budget Amount	Committed Qty	Committed	Actual Qty	Actual	Left to commit Qty	Left to commit	Budget remainin...	Budget remaining	Provisional Qty	Provisional cost pr...	Margin Qty
NA013180900032 Chain conveyor LK	221	29,236.28	100	6,069.33	75	5,335.49	123	18,812.08	46	17,831.46	298	30,216.90	-77
8001 Project Management	48	2,474.13	20	1,212.20	35	1,768.55	15	474.00	-7	-506.62	70	3,454.75	-22
8002 Research & Design	65	2,745.60	65	2,745.60							65	2,745.60	
8003 Manufacturing		14,415.75	15	2,111.53	40	3,566.94		8,737.28	-55	8,737.28	55	14,415.75	-55
8004 Logistic	108	9,600.80					108	9,600.80	108	9,600.80	108	9,600.80	

	Budget Qty	Budget Amount	Committed Qty	Committed	Actual Qty	Actual	Left to commit Qty	Left to commit	Budget remainin...	Budget remaining	Provisional Qty	Provisional cost pr...	Margin Qty
NA013180900032 Chain conveyor LK -A fo	221	29,236.28	100	6,069.33	75	5,335.49	123	18,812.08	46	17,831.46	298	30,216.90	
EXPENSES Expenses		7,000.00						7,000.00		7,000.00		7,000.00	
MATERIALS Materials		3,957.64		1,652.38		1,350.50		954.76		954.76		3,957.64	
TIME Time	221	18,278.64	100	4,416.95	75	3,984.99	123	10,857.32	46	9,876.70	298	19,259.26	

Financial overview - Expenses

In the financial overview you can combined all the associated projects

If you select “project total” you can analyzed all the projects or you still can work project by project selecting the line of the project you want to investigate

The screenshot displays the Sage X3 Financial overview interface. At the top, the navigation bar shows 'Sage X3' and 'All > Projects > Projects > Overview'. Below this, the 'Financial overview' section is active, with sub-sections for 'Cost structure' and 'Cost type'. The 'Project *' field is set to 'NA0131809000032' (Chain conveyor LK 13-A for p). The 'Financial view *' is set to 'Expense overview'. The 'Time unit *' is 'Hour', and the 'Currency *' is 'USD' (US Dollar). The 'Associated projects' checkbox is checked.

The 'Cost structure' table shows a hierarchy of project costs:

	Budget Qty	Budget Amount	Committed Qty	Committed	Actual Qty	Actual	Left to commit Qty	Left to commit	Budget remainin...	Budget remaining	Provisional Qty	Provisional cost pr...
Project totals	374	165,476.48	138	14,280.13	115	12,444.60	206	150,527.49	121	138,751.75	459	177,252.22
NA0131809000032 Chain conveyo	221	29,236.28	100	6,069.33	75	5,335.49	123	18,812.08	46	17,831.46	298	30,216.90
FR0111610000004 RTC-2 Tower Cr	153	136,240.20	38	8,210.80	40	7,109.11	83	131,715.41	75	120,920.29	161	147,035.32
B01 Design	70	4,666.57	38	2,540.04	40	2,383.47		141.78	-8	-256.94	78	5,065.29
B02-A RTC Crane Tower Unit	24	78,445.62					24	78,445.62	24	78,445.62	24	78,445.62
B02-B RTC Crane Jib	10	16,539.74				4,725.64	10	16,539.74	10	11,814.10	10	21,265.38
B02-C RTC Cable Pulling	10	23,628.20		5,670.76			10	23,628.20	10	17,957.44	10	29,298.96
B03 Project management	15	1,240.48					15	1,240.48	15	1,240.48	15	1,240.48
B04 Installation and acceptan	24	11,719.59					24	11,719.59	24	11,719.59	24	11,719.59

The 'Cost type' table shows the breakdown of costs for the selected project:

	Budget Qty	Budget Amount	Committed Qty	Committed	Actual Qty	Actual	Left to commit Qty	Left to commit	Budget remainin...	Budget remaining	Provisional Qty	Provisional co
FR0111610000004 RTC-2 Tower Crane 40M (Er	153	136,240.20	38	8,210.80	40	7,109.11	83	131,715.41	75	120,920.29	161	147,035.32
ASSEMBLY Assembly	60	42,530.76					60	42,530.76	60	42,530.76	60	42,530.76
DEFAULT Default						4,725.64				-4,725.64		4,725.64

Revenue Recognition Calculation

Sage | X3 | MODX3 | ERP-SYSTADMIN | X3ERP12/SEED

Revenue recognition

All > Financials > Closing processes > Revenue recognition

Revenue recognition

Revenue recognition	Description
MANUAL	Manual percentage method
ADJPERC	Adjusted percentage
WOMARGIN	Completion without margin
MARGIN	Completion with margin
MANUALDIM	Manual percentage method Dim.
MANUALDIM	Manual percentage method Dim.
MANUAL	Manual percentage method
MANUAL	Manual percentage method
MANUALFR20	MANUAL method FR20
WOMARGFR20	Completion wo marg FR20
AVCTFI	Financial progress
AVCTFI	Financial progress
AVCTFI	Financial progress

Revenue recognition

Posting Definition

Identification

Revenue recognition code * Description Company
NA Discrete

Revenue recognition method Status

Project/dimension

Calculation basis Project Dimension Dimension type Analytical dimension Ledger type

Project * Access code

Posting

Generation

Generation type Actual Active simulation Inactive simulation Entry status Temporary Final

Additional information

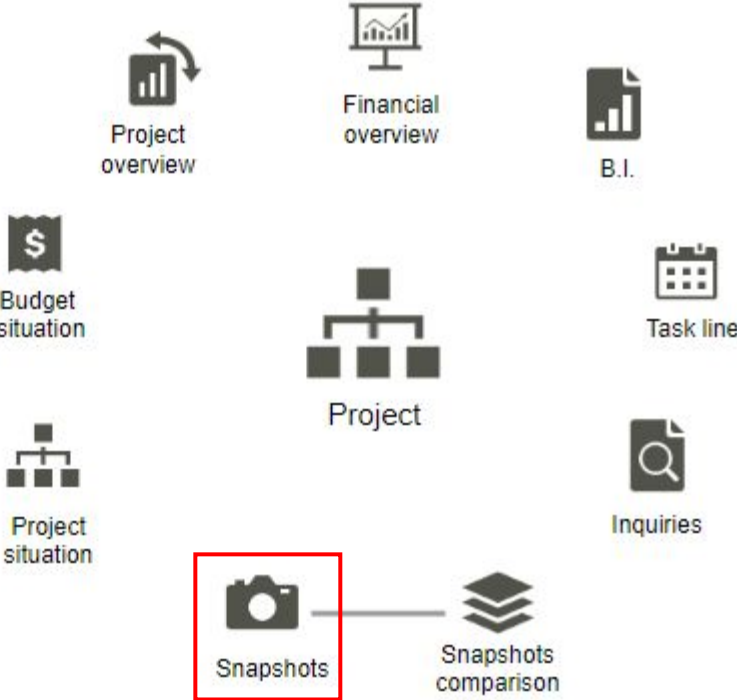
Last read

Snapshots

It is also very interesting for a Project Manager to make during the time of the project comparison of a project position.

For that the PM can create as many “snapshots” of project , compare a snapshot with another or a snapshot with the current position of the project

Project monitoring



Snapshots

During the lifetime of a project we can create as many snapshot you want per project / financial view

We can see there that we have two snapshots for our project for the financial overviews 10 with and two for the same project and the financial overview 20

View	Project	Code
20	NA0131809000032	SNPNA013000004
10	NA0131809000032	SNPNA013000003
20	FR0111609000001	SNPFR011000002
10	FR0111609000001	SNPFR011000001

Financial snapshots

SNAPSHOT LIST

Project number *
NA0131809000032
Chain conveyor LK 13 -A for p

Snapshot code
SNPNA013000003

Description *
Chain conveyor LK 13 -A for pet can VIEW 10

Financial view *
→ 10
Expense overview

Unit *
HR
Hour

Currency *
USD
US Dollar

Snapshot date
10/04/18

SNAPSHOT LIST

	Sequence	Description	Snapshot date	Identifier
1	20	LAUNCH + 2 MONTHS	10/08/18	SNPSNPNA013000003-20
2	10	LAUNCH + 1 MONTH	10/04/18	SNPSNPNA013000003-10
3				

Snapshots

In the comparison function you can compare any snapshot of a project with its current situation, or compare two snapshots

In the grid for each column of the financial report you have a column “Variance” that let you appreciate the evolution between two positions

In the grid “COST TYPE” you see in more detail the cost type that originated the variance.

The screenshot displays a project financial report interface. At the top, the project details are shown: Project NA0131809000032, Chain conveyor LK 13 -A for p. A red box highlights the 'Current situation' checkbox, which is checked. Below this, the 'Snapshot N-1' is selected as 'SNPSNPNA013000003~10 LAUNCH + 1 MONTH' with a date of 10/04/18. The 'Financial view' is set to '10 Expense overview', 'Time unit' to 'HR Hour', and 'Currency' to 'USD US Dollar'. The 'Quantity' checkbox is unchecked, and the 'Amount' checkbox is checked.

The 'COST STRUCTURE' grid shows the following data:

	Budget Amount N-1	Budget Amount N	Budget Amount Variance	Committed N-1	Committed N	Committed Variance	Actual N-1	Actual N	Actual Variance	Left to commit N-1
NA0131809000032 Chain conveyor LK 13 -A for pet can	29,236.28	29,236.28		4,956.05	5,766.28	810.23	1,768.55	5,335.49	3,566.94	24,011.55
B001 Project Management	2,474.13	2,474.13		909.15	909.15		1,768.55	1,768.55		474.13
B002 Research & Design	2,745.60	2,745.60		2,745.60	2,745.60					
B003 Manufacturing	14,415.75	14,415.75		1,301.30	2,111.53	810.23		3,566.94	3,566.94	13,936.52
B004 Logistic	9,600.80	9,600.80								9,600.80

The 'COST TYPE' grid shows the following data:

	Budget Amount N-1	Budget Amount N	Budget Amount Variance	Committed N-1	Committed N	Committed Variance	Actual N-1	Actual N	Actual Variance	Left to commit N-1	Left to commit N
NA0131809000032 Chain conveyor LK 13 -A for pet can	29,236.28	29,236.28		4,956.05	5,766.28	810.23	1,768.55	5,335.49	3,566.94	24,011.55	24,011.55
EXPENSES Expenses	7,000.00	7,000.00								7,000.00	7,000.00
MATERIALS Materials	3,957.64	3,957.64		1,301.30	1,652.38	351.08		1,350.50	1,350.50	3,478.64	3,478.64
TIME Time	18,278.64	18,278.64		3,654.75	4,113.90	459.15	1,768.55	3,984.99	2,216.44	13,532.91	13,532.91

Benefits of Project Job Manufacturing

- 1) **Manages entire project** by planning, and tracking with Work and Product breakdown structure (WBS & PBS) and also Cost breakdown structure (CBS) and keeping detail planning information (i.e. planned duration of each task, resources needed, products sold...etc
- 2) Serve as a **central repository** for multiple departments to have unified visibility.
- 3) **Budget Control** – to ensure project is on time on budget. Inquiries & Notification when budget is exceeded – at macro or micro level, in terms of time and values.
- 4) Report and Analytics - Manage changes and visibility of changes in project.
- 5) **Increase Efficiency** - Ease of Planning and Purchasing of Materials, quick creation of sales document & work orders, project time and expenses direct link to Financials.
- 6) **Traceability** - tracking of Sales/Purchasing/Production/CRM documents from Project.



- STAGE ONE**
Define project scope and goals
- STAGE TWO**
Detail the work breakdown
- STAGE THREE**
Schedule resources and budget
- STAGE FOUR**
Execute on deliverables
- STAGE FIVE**
Report on deliverables
- STAGE SIX**
Analyze progress
- STAGE SEVEN**
Project closeout

Thanks