Solutions for SAP

Presentation

January 2023

About WYRD Global & PM Eleven

About Us
We deliver trusted services and solutions with integrity and an emphasis on best business practice.

WYRD Global is the Latin American representative for PM Eleven, with offices in Chile and Colombia. We have over 35 years offering business solutions across industries and the region.

The PM Eleven group offers a unique set of comprehensive productivity solutions that deliver significant savings ($) to our customers, plus of our advisory and consulting services focused on business and good practices from various industries.

We offer reliable **solutions and services** with integrity and emphasis on best business practices, both in Latin America and Oceania. PM Eleven brings knowledge and solutions that make processes for companies more efficient, productive and automated.

Our **SAP solutions** have native functionality, visual graphics and simple processes, driven by our recognised global experience in maintenance, material management and finance.

In addition, we offer a **Field Mobility platform** that allows you to collect data in the field in a reliable manner, **with SAP connectivity** and integrated business intelligence, generating high-value reports for decision making and management of the resources and processes of each organization.
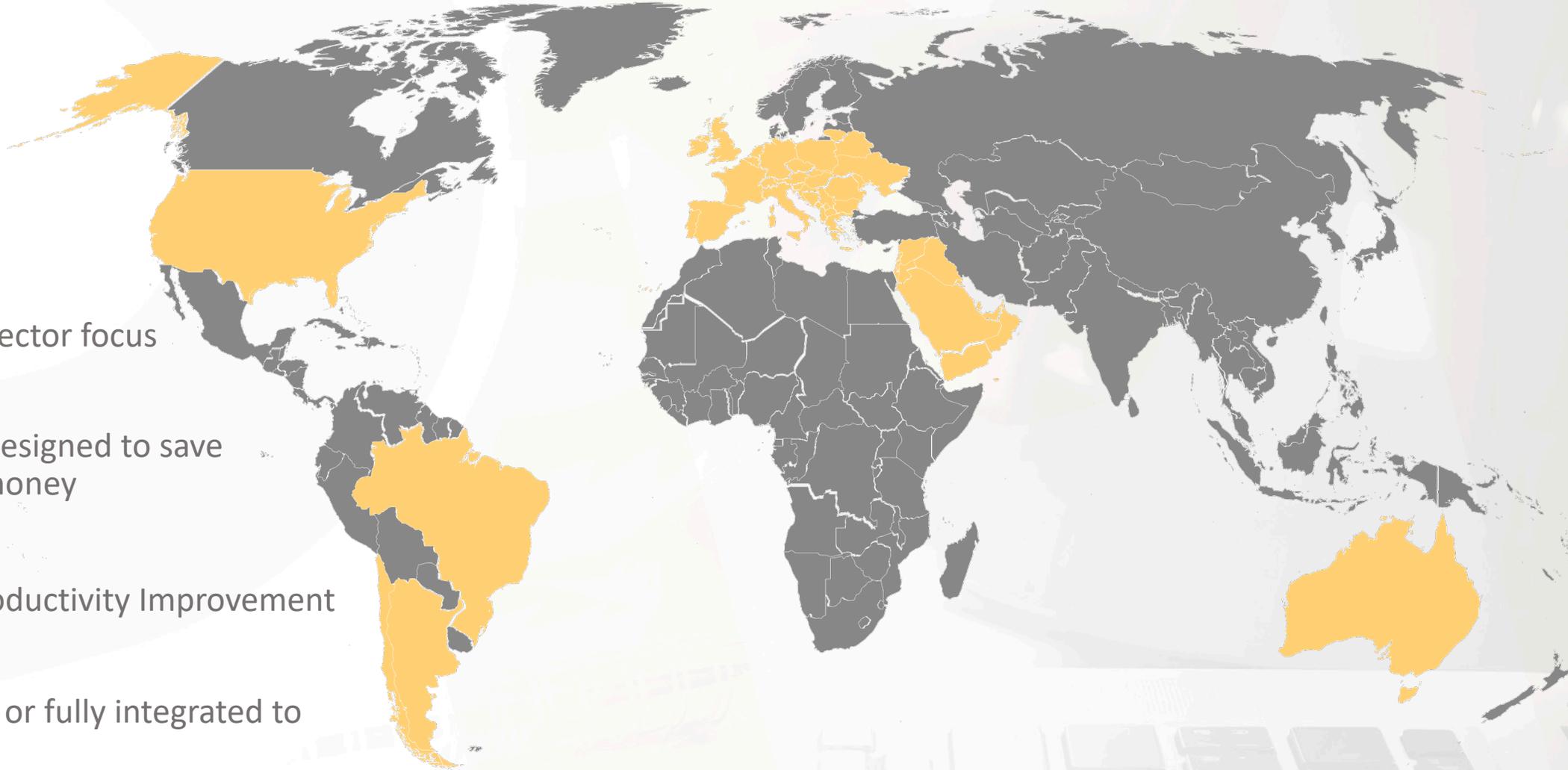
SAP® Certified
Integration with SAP Applications

About WYRD Global & PM Eleven

Resource Sector focus

Solutions designed to save time and money

40-55% Productivity Improvement

Embedded or fully integrated to SAP

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PM ELEVEN – SOLUTIONS FOR SAP

Our SAP solutions have innate functionality, visual graphics and simple processes, driven from our substantial global experience in maintenance, materials and finance business practices.

Our field mobility suites offer best practice field-first data collection, SAP connectivity and embedded intelligence.

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PM Eleven SAP Solutions

SAP Solutions

Solutions to enhance the usability of your **SAP** investment

Master Data

· Bill of Material Review
· Task List Review Suite

| BOM | TLR |

Work Management

· KPI Snapshotting
· Schedule Work Progress
· Capacity by Shift
· Manning

| KPI | Prg | Cap | Man |

· Mobility – Supervisors Cockpit

Planning and Optimisation

· Maintenance Plan Calls Report
· Annual Estimate Review

| Pln | AnE |

Utilities

· Work Order Printing
· Work Order Scanning
· Freight Control

| Prn | Scn | FCS |

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MASTER DATA SOLUTIONS

TLR   BOM

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Bill of Material Optimiser

The **BOM Optimiser** displays the history of existing SAP work orders. You can find and review the materials used that are missing in the BOM for the selected functional location or equipment. Our solution also makes it possible to manage BOMs by:

- Drag and drop to restructure bills of material

- Insert new components

- Remove components

- Creation of PM construction / assembly types

- Assignment of construction types to functional locations and equipment, and

- Classification of BOMs

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PM Eleven – Solutions for SAP
Bill of Material Optimiser

Build your SAP ECC / S4 HANA solution with quality data

Task List Optimiser

The **Task List Optimiser** highlights differences between the Planned Values on Task Lists to the Actual Values on Work Orders.

This facilitates improvement of Task List for multiple purposes including better resource allocation, improved materials planning and more accurate budgeting.

The Task List Optimiser includes 3 important components, including:

1. a Task List selection box for new Work Orders
2. a Task List copy function
3. a Task List review and improvement function

PM Eleven – Solutions for SAP
Task List Optimiser

Build or improve your SAP solution with quality data

WORKS MANAGEMENT SOLUTIONS

KPI **Prg** **Cap** **Man** **PM** Supervisors Cockpit (Fiori)

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KPI Snapshot

The KPI Snapshot solution facilitates a regular collection of SAP maintenance data at any given time, to ensure accurate work management KPIs.

Snapshots can be taken at different times for each Work Centre within the same plant as needed. The data is stored in SAP and can then be consumed by BI, BO or mobile applications.

The KPI Snapshot tool is critical to simplify the processes of supervisors through Capacity by Shift Workbench.

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KPI Snapshot

Collect and calculate your **critical KPI's at the source** (and minimise manipulation or interpretation)

Schedule Work Progress

Schedule Work Progress is designed for supervisors to focus on their scheduled work. It allows them to find scheduled and unscheduled work for the week, and complete and incomplete transitions.

It also helps the supervisor by highlighting key data applied to work orders, which ensures that these are completed with the appropriate details.

The Schedule Work Progress solution summarizes the work from multiple screens into a single view, managing to save days of work normally wasted in repetitive and unproductive tasks

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PM Eleven – Solutions for SAP
Schedule Work Progress

Collect and calculate your **critical KPI's at the source** (and minimise manipulation or interpretation)

Capacity by Shift

The **Capacity by Shift Workbench** is a solution that allows planners to "plan their capacity" resources at the shift level. Work order operations can be moved in or out of a scheduled week, simply by dragging and dropping activities.

As a critical entry for the final Gantt chart, this solution performs a real-time check of the key variables, which include:

1.   Other dependent operations that have been moved,

2.   A material availability check,

3.   Machines scheduled for other days / shifts in the same week

4.   Verification of the relationships with other work orders.

This tool is designed to support your planning outcomes by ensuring:

•   An appropriate amount of scheduled work for any given week,

•   All available parts / variables are catered for,

•   Maximising the availability of equipment for production activities by scheduling pending work to the equipment available

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PM Eleven – Solutions for SAP
Capacity by Shift

Cap

Customers are able to manage work capacity completely in one place, saving significant time in planning and execution.

Capacity Planning by Shift - Modify

◄ ► | ▦ IW38 | 👥 Manning Report | 🔬 Material Availability | 📄 Export L...

S...	Date	Day	Shift	Σ Scheduled	Σ Available	Σ Remaining	Capacity L	Σ Carry Over	Σ Number
	04.03.2019	MO	DS	12.00	16.00	4.00	75 %	0.00	2
	05.03.2019	TU	DS	8.00	8.00	0.00	100 %	0.00	1
	06.03.2019	WE	DS	8.00	16.00	8.00	50 %	0.00	2
	07.03.2019	TH	DS	10.00	16.00	6.00	63 %	0.00	2
⊞	08.03.2019	FR	DS	8.00	16.00	8.00	50 %	0.00	2
	09.03.2019	SA	DS	8.00	16.00	8.00	50 %	8.00	2
	10.03.2019	SU	DS	1.00	16.00	15.00	6 %	1.00	2
				▪ 55.00	▪ 104.00	▪ 49.00		▪ 9.00	▪ 13

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Manning

The **Manning** solution enables you to manage your manning capacities (night and day shift) in one place, saving significant time.   PM Eleven's Manning Workbench for SAP is the preferred planning solution for major sites using SAP PM.

It compares gross and net hours available for a supervisor, giving them the capability to easily plan their capacity by shift. It displays the available people/roles from HR and gives the planner/scheduler the ability to maintain real capacity versus real HR data. Time for contractors can also be entered so that Capacity Levelling is done with the right amount of total capacity.

Together with the Capacity by Shift Workbench it delivers value by enabling Schedulers to capacity plan resources at a shift level. Work Order Operations can be moved into, out of or within a scheduled week simply by dragging and dropping operations to where they need to be.

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PM Eleven – Solutions for SAP
Manning

Together with the Capacity by Shift Workbench, the Manning solution delivers value by enabling Schedulers to capacity plan resources at a shift level.

| Week Number: | 201733MO | Begin Date: | 14.08.17 | Start Time: | 06:00:00 | End Date: | 20.08.17 |

Work Centr	Pers.No.	First Name	Last Name	WS Rule	MO 14 S	ᵉMO 14 P	TU 15 S	ᵉTU 15 P	WE 16 S	ᵉWE 16 P	TH 17 S	ᵉTH 17 P	FR 18 S	ᵉFR 18 P	SA 19 S	ᵉSA 19 P	SU 20 S	ᵉSU 20 P
ME-FT	1004	Ryan	Ryan		DS	7.50	DS	15.00	DS	0.00	DS	0.00	DS	0.00	DS	0.00	DS	0.00
						7.50		15.00		0.00		0.00		0.00		0.00		0.00
ME-FT	1001	Ramone	Juan Pablo	AUST-R	NS	7.50	NS	7.50	NS	7.50	NS	7.50	NS	7.50	NS	7.50	NS	7.50
				AUST-R		7.50		7.50		7.50		7.50		7.50		7.50		7.50
ME-FT	999101	Mary	Brown	YB00	DS	7.50	DS	7.50	DS	7.50	DS	7.50	DS	7.50	DS	7.50	DS	7.50
ME-FT	999103	Frank	Jonson	YB00	DS	7.50	DS	7.50	DS	7.50	DS	7.50	DS	7.50	DS	0.00	DS	0.00
				YB00		15.00		15.00		15.00		15.00		15.00		7.50		7.50
						30.00		37.50		22.50		22.50		22.50		15.00		15.00

Supervisors Cockpit

PM Eleven's **Supervisors Cockpit** for SAP is our integrated solution for work order assignment (dispatch), delivered in **Fiori**.

It is a Fiori Based Mobility Solution for Supervisors. The SAP Supervisors Cockpit enables Supervisors to dispatch work to technicians and review status of assigned work. The overall design of this solution is a combination of PM Eleven SAP Solution transactions and Fiori applications.

The SAP transactions are used to capture data for Work Centre Rosters and KPI Data. The Fiori apps are then used by Supervisors to manage work daily. The SAP transactions stores the data natively in SAP using the standard SAP database.

This solution is a step-change in ease-of-use and incorporates the best practice processes for Supervisors in managing work. The solution systemises processes which were previously manual paper-based processes. The processes include:

- Supervisors easily assign work to technicians within the Fiori app.

- Supervisor can review actual time confirmations against the planned hours within the Fiori app.

- Supervisors can review and approve contractor time entry within the Fiori app.

- Supervisors can review and adjust planned hours for technicians using a PM Eleven SAP transaction.

- Planners are able to capacity level work against the shift using a PM Eleven SAP transaction.

- KPI Snapshots are taken and recorded within a table in SAP. This data will then be available to be used in other transactions.

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Supervisors Cockpit (assignment of work)

- Supervisor Cockpit of PM Eleven, is a solution built in SAP FIORI that provides the ability to easily and quickly **assign daily, weekly or monthly tasks** and work orders to the team in the field.
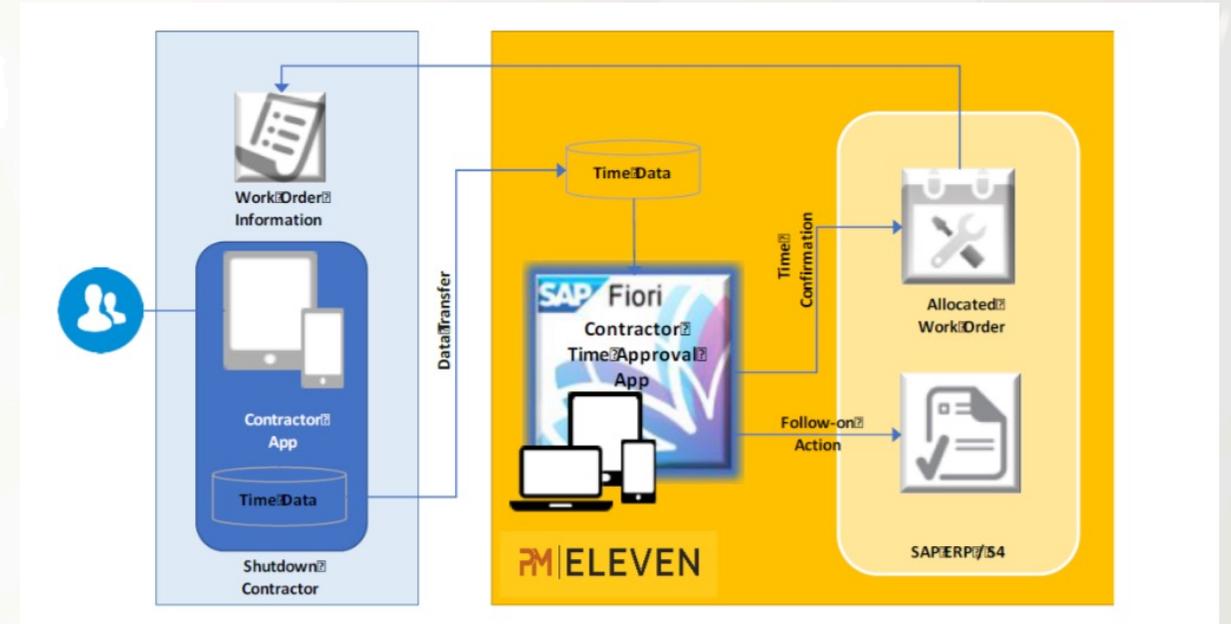
PM Eleven – Solutions for SAP
Fiori – Supervisors Cockpit Mobile Solution

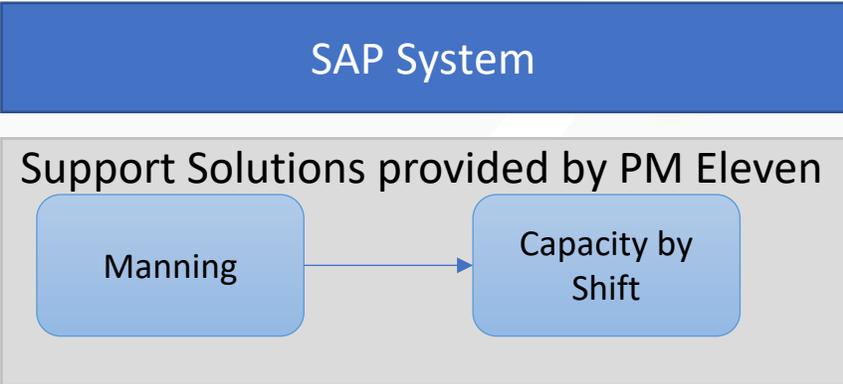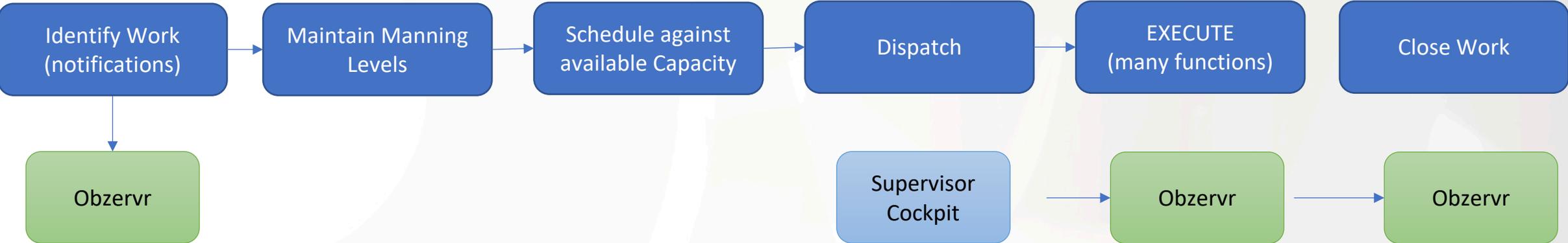The solution systemizes processes which were previously manual paper-based processes!

PM Eleven Solutions – Fully Digital Work Management Process

Identify Work (notifications) → Maintain Manning Levels → Schedule against available Capacity → Dispatch → EXECUTE (many functions) → Close Work

Identify Work (notifications) → Obzervr

Supervisor Cockpit → Obzervr → Obzervr

SAP System

Support Solutions provided by PM Eleven

Manning → Capacity by Shift

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PLANNING & OPTIMISATION SOLUTIONS

AnE

Pln

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Annual Estimates

The Annual Estimate Review solution allows the user to compare the historical use with the Annual Estimate and update the Annual Estimate as required.

An inaccurate Annual Estimate can lead to maintenance plans calling work orders at the wrong time. To ensure accurate annual estimates, historical data often provide the best reference for future use.

PM Eleven – Solutions for SAP
Annual Estimates Solution

To ensure accurate annual estimates, historical data often provide the best reference for future use.

Maintenance Plan Recalculation

In many instances more than one active (released) Call can exist for a Maintenance Plan.

Changes to Maintenance Plans that affect their scheduling do not change released Calls (or Calls on hold) to align with the change of information.

Several factors may result in a different due date being calculated, such as:

- New Measurement Documents as a result of altered usage patterns

- Updated Annual Estimates

- Early or late completion of previous Calls.

The **Maintenance Plan Recalculation Report** recalculates Maintenance Order due dates when changes to a Maintenance Plan affect future scheduled Calls.

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PM Eleven – Solutions for SAP
Maintenance Plan Recalculation (Calls Report)

The report analyses Maintenance Calls and provides recommendations and observations:

Push xx days – recommend pushing the Work Order out as the previous call was completed late (time-based); or machine output has reduced (performance-based)

Pull xx days – recommend pulling the Work Order in as the previous call was completed early (time-based); or machine output has increased (performance based)

Subsequent Closed – a Call with a later scheduled start date has already been closed

Overdue xx days - the scheduled execution date has passed by XX days.

Important columns included in the report are:

% Due - how close the Work Order is to its scheduled date

% Life Achieved - schedule time achieved before completion,

e.g. a 100 day schedule completed 1 day early would show 99%

Opportunity Cost - a calculation of potential savings based on length

of cycle, adjustment days and planned cost,

e.g. a 7 day schedule to be pushed 2 days with a planned cost of $280. *(2/7)∗280.*

Mainten	Mainten	% D	% Life	Total	Total	Recommendation	Oppor	Mainten	Item i	Item Short Text	Equip	Mainte	Order Nu	Planne	Main w
1600001	1500000	- 43	0%	0.00	2,483		0.00	TWKS	1	2W Anfo Loade		206	3224516	MOB	MB
1600011	1500004	7%	0%	0.00	668.00	➡ Push 10 days	0.00	TWKS	1	2W EWP Inspe		174	3224517	MOB	MB
1600017	1500006	88%	0%	0.00	5,821		0.00	UHRS	2	2000H Major S		313	3224583	MOB	MB
1600058	1500016	-27	0%	0.00	400.00	➡ Push 8 days	33.33	UHRS	3	250H Oil Sampl		140	3224311	MOB	MB
1600066	1500018	0%	0%	0.00	400.00		0.00	UHRS	3	250H Oil Sampl		446	3224730	MOB	MB
1600087	1500023	999	0%	0.00	942.00	❗ Subsequent C	942.00	UHRS	4	500H Oil Change		387	3224316	MOB	MB
1600086		0%	0%	0.00	400.00	➡ Push 3 days	109.09	UHRS	3	250H Oil Sampl		464	3224710	MOB	MB
1600111	1500047	197	0%	0.00	589.00	❗ Overdue 29 c	0.00	TMNS	1	1M Generator I		83	3224261	MOB	LV
1600111		97%	0%	0.00	589.00		0.00	TMNS	1	1M Generator I		84	3224428	MOB	LV
1600112	1500048	113	0%	0.00	589.00	❗ Overdue 4 d	0.00	TMNS	1	1M Generator I		83	3224383	MOB	LV
1600113	1500049	160	0%	0.00	589.00	❗ Overdue 18 c	0.00	TMNS	1	1M Generator I		85	3224300	MOB	LV
1600113		60%	0%	0.00	591.00		0.00	TMNS	1	1M Generator I		86	3224503	MOB	LV
1600114	1500050	167	0%	0.00	589.00	❗ Overdue 20 c	0.00	TMNS	1	1M Generator I		82	3224301	MOB	LV
1600114		67%	0%	0.00	591.00		0.00	TMNS	1	1M Generator I		83	3224462	MOB	LV
1600115	1500051	130	0%	0.00	589.00	❗ Overdue 9 d	0.00	TMNS	1	1M Generator I		82	3224384	MOB	LV
1600115		30%	0%	0.00	591.00		0.00	TMNS	1	1M Generator I		83	3224566	MOB	LV
1600116	1500052	20%	0%	0.00	591.00		0.00	TMNS	1	1M Generator I		84	3224567	MOB	LV
1600235	1500108	127	0%	0.00	1,552	❗ Overdue 19 c	0.00		1	Single Cycle Plan		9	3224082	MOB	MB
1600263	1500122	7%	0%	0.00	2,483	⬅ Pull 4 days	0.00	TWKS	1	2W Anfo Loade		136	3224499	MOB	MB
1600263		29%	0%	0.00	2,082		0.00	TWKS	1	2W Anfo Loade		137	3224584	MOB	MB
1600264	1500123	7%	0%	0.00	2,479	➡ Push 13 days	0.00	TWKS	1	2W Anfo Loade		200	3224500	MOB	MB
1600264		0%	0%	0.00	2,082		0.00	TWKS	1	2W Anfo Loade		201	3224585	MOB	MB
1600421	1500190	-23	0%	0.00	134.00	➡ Push 59 days	134.00	UHRS4	1	250H Minor Ser		15	3224218	MOB	MB
1600423		- 7%	0%	0.00	134.00	➡ Push 59 days	134.00	UHRS4	3	1000H Minor S		16	3224299	MOB	MB
1600421		-43	0%	0.00	134.00	➡ Push 58 days	134.00	UHRS4	1	250H Minor Ser		17	3224346	MOB	MB

Print Solution

Our **Print Solution** bundles & prints work orders with attachments.

The users will simply print your Work Orders from SAP and our solution attaches the appropriate safety attachments, drawings, quality plans, photos or any other attachment to make a secure package.

We guarantee that our PM Eleven Print Solution is more cost effective than your existing solution. PM Eleven also guarantee that the price of our solution does not vary depending on the number of users, allowing you to grow with additional users, planners, work groups or facilities without an additional cost.

PM Eleven – Solutions for SAP
Print Solution

Prints your **Work Orders / Shop Papers and all attachments**

Connected with Document Repository (**OpenText, SAP DMS, Others**)

Enterprise strength print solution

Automated barcode and pagination functionality

For some customers, extended from Work Order printing to bulk document printing from SAP (Sales).

Work Order Scanning Solution

The PM Eleven Work Order Scanning Solution provides a solution which saves hours of useless filing of printed work orders. With this solution, the users simply load Work Orders into the document feeder on your scanner and send them to a pre-programmed email address, allowing for the PM Eleven barcode to read the unique identifier and take care of the rest.

5 012345 678900

The solution identifies the Work Order number from the barcode and attaches the PDF document directly to the Work Order in SAP. Now your documents can be found quickly and from any location where the users reside.

With the Work Order scan now including hand-written information including the current measurement reading, you have all the necessary information to update your next Measurement Document.

PM Eleven – Solutions for SAP
Work Order Scanning Solution

Scanning of your old Work Orders made easy

Allowing for barcode scanning and automatic assignment to the work order

Saves hours of useless filing of older work orders

Load all work orders in bulk in the scanning machine and send to SAP.

PM Eleven solution automatically separates and attaches all documents in sequence to the right Work Order.

Freight Control

The Freight Control solution uses defined logic to select the most appropriate freight cost, accrue the freight cost to the Freight vendor, assign the most accurate Material Inventory valuation to materials and ensure that both the Goods & Freight Vendor invoice matching process is accurate. You gain the advantage of using a tool which continually helps you improve your own data, so you can improve your business.

When the materiality of freight costs is significantly impacting your Cost of Goods Sold (COGS), then take control by valuing the freight with a greater degree of accuracy using the SAP Freight Control Solution (FCS). Knowing the total cost to land an Inventory item on your doorstep is critical to determining the both the assignment of freight cost, and the flow-on profitability of the product as it moves through the sales channel.

PM Eleven – Solutions for SAP

Freight Control Solution

Knowing the total cost to land an Inventory item on your doorstep is critical to determining the both the assignment of freight cost.

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