

Prometheus PMM and MAC: Your Guided Tour

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PROMETHEUS GROUP

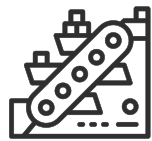
Prometheus Group

- Founded in 1998
- Headquartered in Raleigh, NC, USA
- 14 global offices
- Integrated and intuitive software
- Partnerships with industry leading companies



TOP 8

Oil & Gas



TOP 7

Mining & Metals



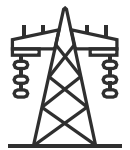
TOP 7

Pulp & Paper



TOP 6

Chemical



TOP 6

Utilities



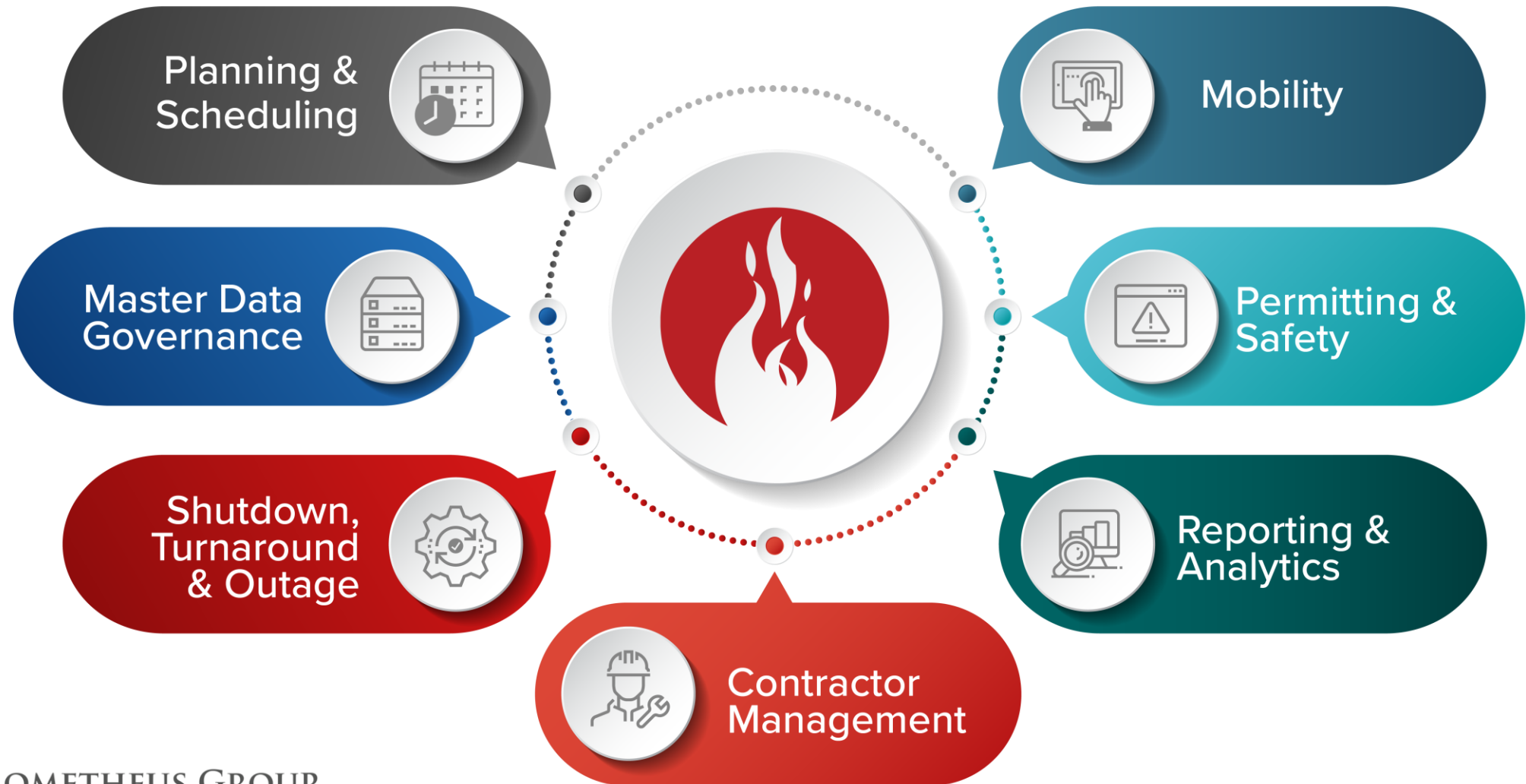
SAP® Certified
Integration with SAP S/4HANA®



ORACLE® Gold
Partner



The Prometheus Platform

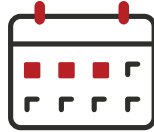


Planning & Scheduling



Navigator

Easily standardize your process with a custom layout for all roles



Graphical Scheduler

Schedule all work directly inside of SAP with real-time capacity data and carry out mass changes



Order Planner

View and plan work orders in a simplified view and access planning enhancements



Work Package Manager

Collate all required documents in order to complete a work order



O2TL & O2BOM

Streamline work orders by copying information to task lists and BOMs to use in the future



Material Shopping Cart

Search for materials with a multi-word search to ensure the right materials are added



Planning & Scheduling add-ons



Material Availability Coordinator (MAC)

Bridge the gap between maintenance, procurement, and the warehouse by aggregating the status of all materials and automatically apply status updates.



Extended Functionality (XF)

Take scheduling to the next level with simulation mode, real-time reports, work progression, and progress tracking.



Shutdowns, Turnarounds & Outages (STO)

Schedule shutdowns, turnarounds, outages, and other capital projects directly into SAP and onto one scheduling board using advanced scheduling add-ons.



Preventive Maintenance Manager (PMM)

Make better decisions around scheduling by migrating preventive maintenance plans and routine maintenance work orders onto one scheduling board.



Warranty Tracker

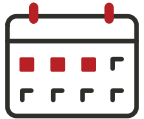
Successful warranty claims contribute hard dollar savings directly to your bottom line.



Budget Management

Take true control of your budget with a solution designed for asset and maintenance management.

Preventive Maintenance Management



Maintenance Plan Scheduler

Forecast capacities of uncalled maintenance plans and level these out across a period of time based upon resource availability



Maintenance Plan Manager

Directly edit maintenance items and maintenance plans in a list view or via mass change functionality



Task List Manager

Directly edit task lists in a list view or via mass change functionality

Key Features and Functionality of the PMM add-on

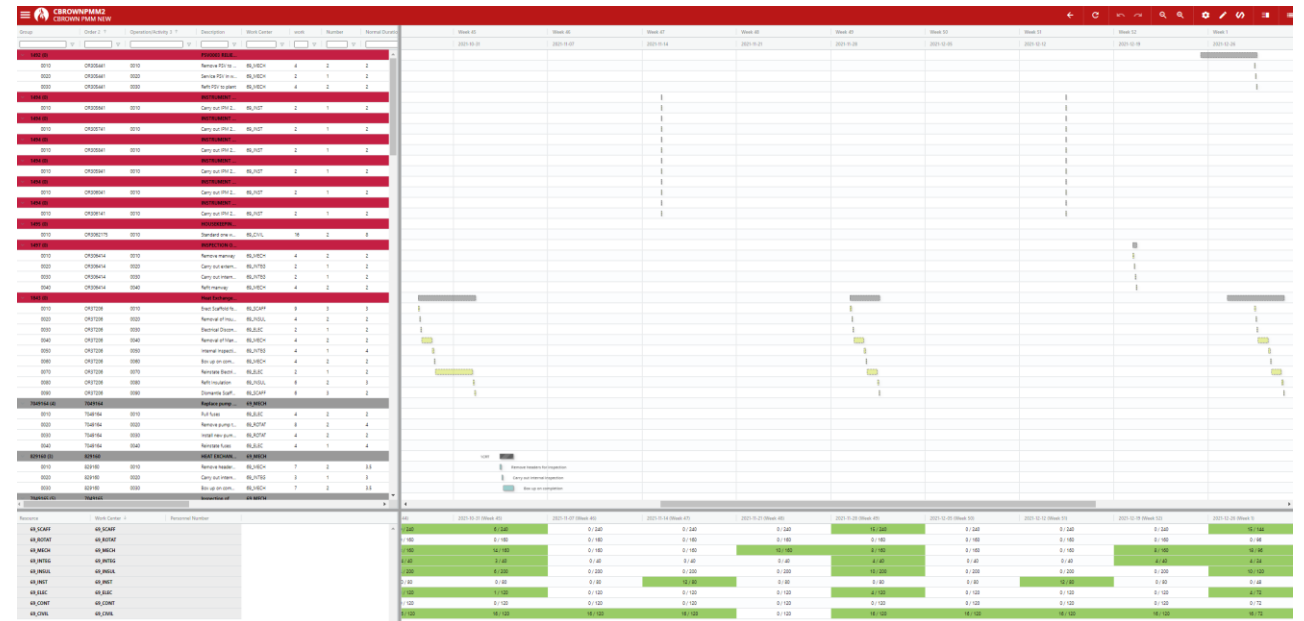
- Visibility of both uncalled and called work orders in one Gantt Chart view reflecting capacity availability
- Level maintenance plans across a year for a more structured PM programme
- Release, skip, or fix called directly from the Gantt Chart
- Copy maintenance items / plans
- Seamlessly update maintenance plans, items and task lists within a list view
- Mass change maintenance plans, items and task lists



Maintenance Plan Scheduler

Key Business Benefits

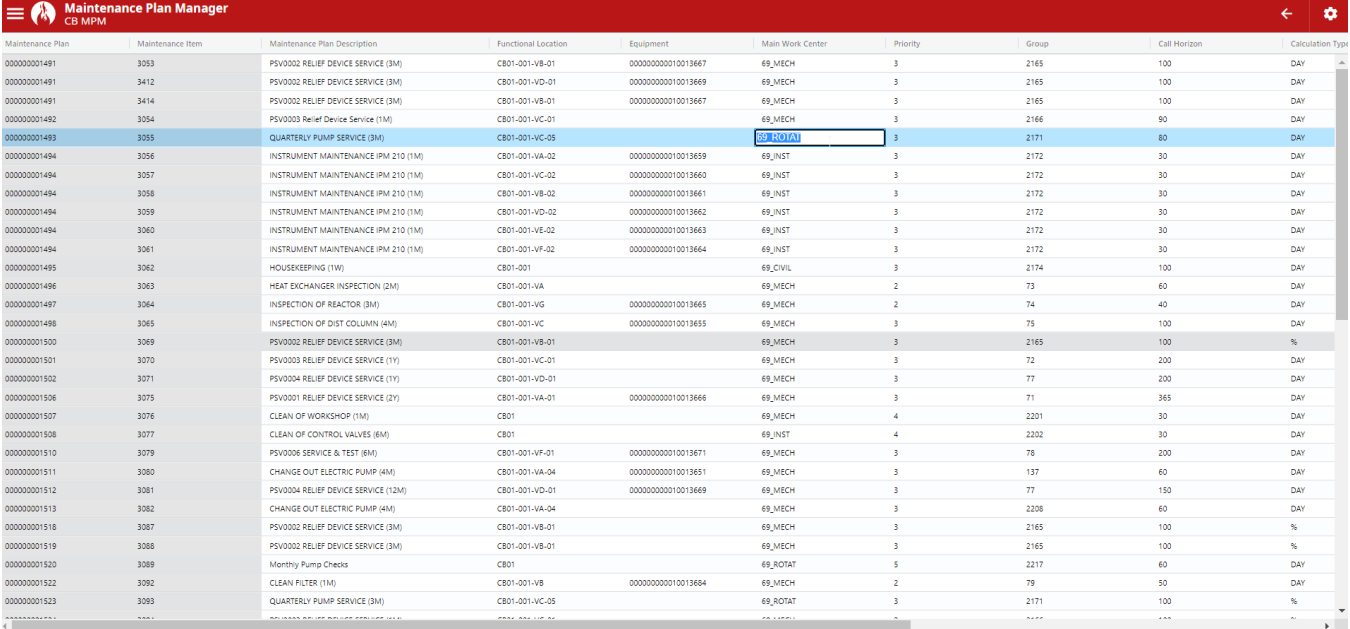
- Align maintenance plans with emergent work / downtime
- Level out PM's across a year for a more structured and achievable long-term schedule
- Increase schedule and PM compliance
- Intuitive user interface for greater user experience
- Removes the necessity for running multiple reports
- Eliminates the need for Microsoft Excel



Maintenance Plan Manager

Key Business Benefits

- Reduce administrative time spent updating and changing maintenance items and plans (benefit)
- Mass change and direct edit capabilities
- Abides by standard SAP rules, roles and authorisations
- Configurable views to visualise the data in different layouts
- No more transaction codes – enhanced user experience



The screenshot displays the Maintenance Plan Manager (CB MPM) interface. The table lists various maintenance plans with columns for Maintenance Plan, Maintenance Item, Maintenance Plan Description, Functional Location, Equipment, Main Work Center, Priority, Group, Call Horizon, and Calculation Type. The row for 'QUARTERLY PUMP SERVICE (3M)' is highlighted in blue, and the 'GROUP' field is set to '69_MECH'.

Maintenance Plan	Maintenance Item	Maintenance Plan Description	Functional Location	Equipment	Main Work Center	Priority	Group	Call Horizon	Calculation Type
000000001491	3053	PSV0002 RELIEF DEVICE SERVICE (3M)	CB01-001-VB-01	000000000010013647	69_MECH	3	2165	100	DAY
000000001491	3412	PSV0002 RELIEF DEVICE SERVICE (3M)	CB01-001-VD-01	000000000010013669	69_MECH	3	2165	100	DAY
000000001491	3414	PSV0002 RELIEF DEVICE SERVICE (3M)	CB01-001-VB-01	000000000010013667	69_MECH	3	2165	100	DAY
000000001492	3054	PSV0003 Relief Device Service (1M)	CB01-001-VC-01		69_MECH	3	2166	90	DAY
000000001493	3055	QUARTERLY PUMP SERVICE (3M)	CB01-001-VC-05		69_MECH	3	2171	80	DAY
000000001494	3056	INSTRUMENT MAINTENANCE IPM 210 (1M)	CB01-001-VA-02	000000000010013659	69_INST	3	2172	30	DAY
000000001494	3057	INSTRUMENT MAINTENANCE IPM 210 (1M)	CB01-001-VC-02	000000000010013660	69_INST	3	2172	30	DAY
000000001494	3058	INSTRUMENT MAINTENANCE IPM 210 (1M)	CB01-001-VB-02	000000000010013661	69_INST	3	2172	30	DAY
000000001494	3059	INSTRUMENT MAINTENANCE IPM 210 (1M)	CB01-001-VD-02	000000000010013662	69_INST	3	2172	30	DAY
000000001494	3060	INSTRUMENT MAINTENANCE IPM 210 (1M)	CB01-001-VE-02	000000000010013663	69_INST	3	2172	30	DAY
000000001494	3061	INSTRUMENT MAINTENANCE IPM 210 (1M)	CB01-001-VF-02	000000000010013664	69_INST	3	2172	30	DAY
000000001495	3062	HOUSEKEEPING (1W)	CB01-001		69_CIVIL	3	2174	100	DAY
000000001496	3063	HEAT EXCHANGER INSPECTION (2M)	CB01-001-VA		69_MECH	2	73	60	DAY
000000001497	3064	INSPECTION OF REACTOR (3M)	CB01-001-VG	000000000010013665	69_MECH	2	74	40	DAY
000000001498	3065	INSPECTION OF DIST COLUMN (4M)	CB01-001-VC	000000000010013655	69_MECH	3	75	100	DAY
000000001500	3069	PSV0002 RELIEF DEVICE SERVICE (3M)	CB01-001-VB-01		69_MECH	3	2165	100	%
000000001501	3070	PSV0003 RELIEF DEVICE SERVICE (1Y)	CB01-001-VC-01		69_MECH	3	72	200	DAY
000000001502	3071	PSV0004 RELIEF DEVICE SERVICE (1Y)	CB01-001-VD-01		69_MECH	3	77	200	DAY
000000001506	3075	PSV0001 RELIEF DEVICE SERVICE (2Y)	CB01-001-VA-01	000000000010013666	69_MECH	3	71	365	DAY
000000001507	3076	CLEAN OF WORKSHOP (1M)	CB01		69_MECH	4	2201	30	DAY
000000001508	3077	CLEAN OF CONTROL VALVES (6M)	CB01		69_INST	4	2202	30	DAY
000000001510	3079	PSV0006 SERVICE & TEST (6M)	CB01-001-VF-01	000000000010013671	69_MECH	3	78	200	DAY
000000001511	3080	CHANGE OUT ELECTRIC PUMP (4M)	CB01-001-VA-04	000000000010013651	69_MECH	3	137	60	DAY
000000001512	3081	PSV0004 RELIEF DEVICE SERVICE (12M)	CB01-001-VD-01	000000000010013669	69_MECH	3	77	150	DAY
000000001513	3082	CHANGE OUT ELECTRIC PUMP (4M)	CB01-001-VA-04		69_MECH	3	2208	60	DAY
000000001518	3087	PSV0002 RELIEF DEVICE SERVICE (3M)	CB01-001-VB-01		69_MECH	3	2165	100	%
000000001519	3088	PSV0002 RELIEF DEVICE SERVICE (3M)	CB01-001-VB-01		69_MECH	3	2165	100	%
000000001520	3089	Monthly Pump Checks	CB01		69_ROTAT	5	2217	60	DAY
000000001522	3092	CLEAN FILTER (1M)	CB01-001-VB	000000000010013684	69_MECH	2	79	50	DAY
000000001523	3093	QUARTERLY PUMP SERVICE (3M)	CB01-001-VC-05		69_ROTAT	3	2171	100	%

Task List Manager

Key Business Benefits

- Reduce administrative time spent updating and changing task lists
- Direct creation of work orders from a task list
- Configurable views to visualise the data in different layouts
- Gain consistency with your plans through a library of task lists
- Abides by standard SAP rules, roles and authorisations
- Removes the need to running multiple reports / t-codes

Group	Task List Type	Group 1	Task List Description	Operation/Activity	Operation Work Center	Operation Short Text	Work	Unit for Work	Number	Norm
	A	2573	Replace pump with new	0010	69_ELEC	Pull fuses	4	HR	2	2
	A	2573	Replace pump with new	0020	69_ROTAT	Remove pump to workshop	8	HR	2	4
	A	2573	Replace pump with new	0030	69_ROTAT	Install new pump on plant	4	HR	2	2
	A	2573	Replace pump with new	0040	69_INST	Reinstate fuses	4	HR	1	4
140 (3)	E	140	Control Valve	0010	69_ELEC	Electrical disconnections	2	HR	1	2
	E	140	Control Valve	0020	69_MECH	Remove control valve	2	HR	1	2
	E	140	Control Valve	0030	69_MECH	Replace control valve with new	2	HR	1	2
	E	140	Control Valve	0040	69_ELEC	Electrical reconnections	4	HR	1	4
	E	140	Control Valve	0050	69_MECH	Service replaced control valve	1	HR	1	4
84 (3)	T	84	HEAT EXCHANGER INSPECTION	0010	69_MECH	Remove headers for inspection	8	HR	2	4
	T	84	HEAT EXCHANGER INSPECTION	0020	69_INTEG	Carry out internal inspection	2	HR	1	2
	T	84	HEAT EXCHANGER INSPECTION	0030	69_MECH	Box up on completion	8	HR	2	4
78 (3)	T	78	PSV SERVICE & TEST (6M)	0010	69_MECH	PSV0006 Remove	1	HR	1	1
	T	78	PSV SERVICE & TEST (6M)	0020	69_MECH	PSV0006 Service	2	HR	1	2
	T	78	PSV SERVICE & TEST (6M)	0030	69_MECH	PSV0006 Refit	1	HR	1	1
74 (4)	T	74	INSPECTION OF REACTOR (3M)	0010	69_MECH	Remove manway	8	HR	2	4
	T	74	INSPECTION OF REACTOR (3M)	0020	69_INTEG	Carry out external inspection	2	HR	1	2
	T	74	INSPECTION OF REACTOR (3M)	0030	69_INTEG	Carry out internal inspection	4	HR	1	4
	T	74	INSPECTION OF REACTOR (3M)	0040	69_MECH	Refit manway	4	HR	2	2
2185 (4)	A	2185	Replace pump with new	0040	69_ELEC	Pull Fuses	2	HR	1	2
	A	2185	Replace pump with new	0050	69_ROTAT	Remove pump to workshop	10	HR	2	5
	A	2185	Replace pump with new	0060	69_ROTAT	Install new pump on plant	10	HR	2	5
	A	2185	Replace pump with new	0070	69_ELEC	Reinstate fuses	2	HR	1	2
2571 (4)	A	2571	Replace pump with new	0010	69_ELEC	Pull fuses	4	HR	2	2
	A	2571	Replace pump with new	0020	69_ROTAT	Remove pump to workshop	8	HR	2	4

Material Availability Coordinator (MAC)

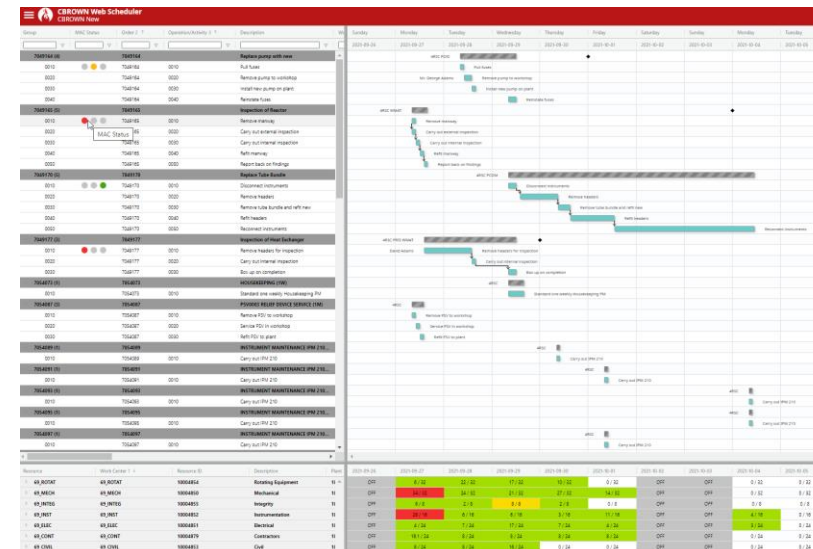
Features and Functionality

- Track inventory availability in real-time with direct integration with the Prometheus Scheduler
- Easy to visualise traffic light system to enhance visibility
- Live status updates applied to work order user statuses
- Visibility of goods receipts and tracking of non-stock delivery dates

Material Availability Coordinator

Total Rows: 22

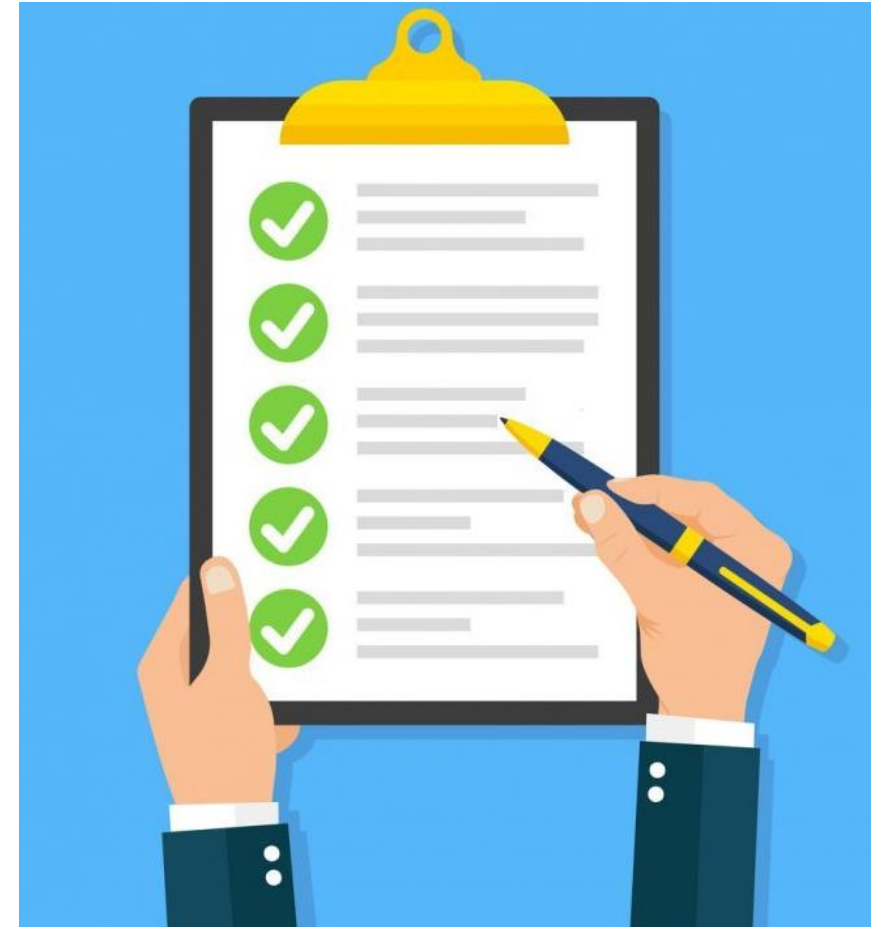
Type	MAC Status	Order	Op/Activity Number	Material Number	Material Description	Short Description	Order Status	Revision	Mainten
	●●●	000007049164	0010	DG-1000	RUBBER SEAL	Warning: Material is available, but not withdrawn	48SC POIS	CB_WJLY	003
	●●●	000007049164	0010	1708	PUMP IMPELLER	Warning: Material is available, but not withdrawn	48SC POIS	CB_WJLY	003
	●●●	000007049164	0010	G-1000	GEARS, ELECTRICAL PUMP	Warning: Material is available, but not withdrawn	48SC POIS	CB_WJLY	003
	●●●	000007049165	0010	PG6826	BOLT/NOMOPHEX10.30/HEXA...	Material not available to withdraw	48SC WMAT	CB_WJLY	003
	●●●	000007049165	0010	2063	GSKT FLGRNG.4-1/8" 2-3/8" 1/...	Material not available to withdraw	48SC WMAT	CB_WJLY	003
	●●●	000007049166	0020	30_00025	ENGINE DRILL	Warning: Material is available, but not withdrawn	48SC WMAT	CB_WJLY	003
	●●●	000007049166	0050	2065	GSKT FLGRNG.3-3/8" 1-29/32"...	Material not available to withdraw	48SC WMAT	CB_WJLY	003
	●●●	000007049166	0060	T-PCS	BOLT - SET	Material not available to withdraw	48SC WMAT	CB_WJLY	003
	●●●	000007049168	0010	DG-1000	RUBBER SEAL	Warning: Material is available, but not withdrawn	48SC	CB_WJLY	003
	●●●	000007049168	0010	AM-1000	AGITATOR	Warning: Material is available, but not withdrawn	48SC	CB_WJLY	003
	●●●	000007049170	0010	1810	GSKT FLGSP-12" 300 LB.CG RJ-35	Material not available to withdraw	48SC PCOM	CB_WJLY	003
	●●●	000007049171	0010	1978	COUPLING, DRIVE GEAR, AGITA...	Material not available to withdraw	48SC WMAT	CB_WJLY	003
	●●●	000007049171	0010	IL-1000	IMPELLER, ELECTRICAL PUMP	Warning: Material is available, but not withdrawn	48SC WMAT	CB_WJLY	003
	●●●	000007049176	0030	2274	2" SPIRAL WOUND GASKET	Warning: Material is available, but not withdrawn	48SC	CB_WJLY	003
	●●●	000007049177	0010	1782	3" 300M FLEXITALLIC GASKET	Material not available to withdraw	48SC WMAT PRIS	CB_WJLY	003
	●●●	000007049177	0010	2145	GSKT FLGRNG.5-3/8" 3-1/2" 1/...	Material not available to withdraw	48SC WMAT PRIS	CB_WJLY	003
	●●●	000007049177	0010	1795	5 INCH VALVE	Material not available to withdraw	48SC WMAT PRIS	CB_WJLY	003
	●●●	000007049211	0010	59	FILTER	Material not available to withdraw	48SC	CB_WJLY	003
	●●●	000007053853	0030	A23-322	BEARING	Warning: Material is available, but not withdrawn	48SC WMAT	CB_WJLY	002
	●●●	000007053853	0030	DG-1000	RUBBER SEAL	Warning: Material is available, but not withdrawn	48SC WMAT	CB_WJLY	002
	●●●	000007053853	0030	T-MD2002	PUMP CASING-02	Material not available to withdraw	48SC WMAT	CB_WJLY	002
	●●●	000007049068	0010		Remove and Replace Control V...	No Purchasing Doc. associated with service	48SC WMAT	CB_WJLY	001



Material Availability Coordinator (MAC)

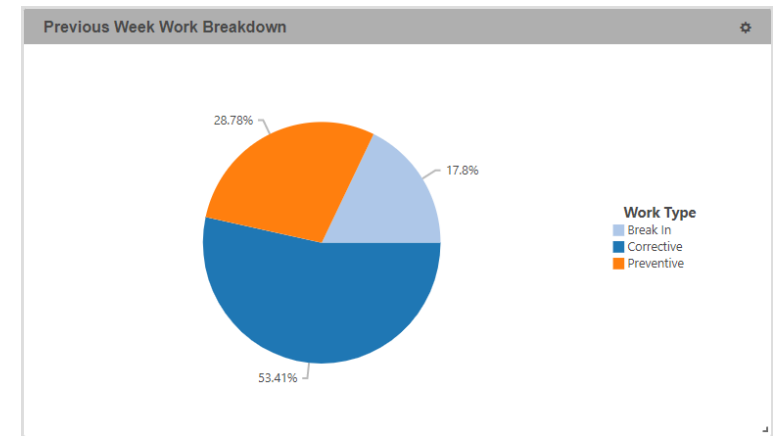
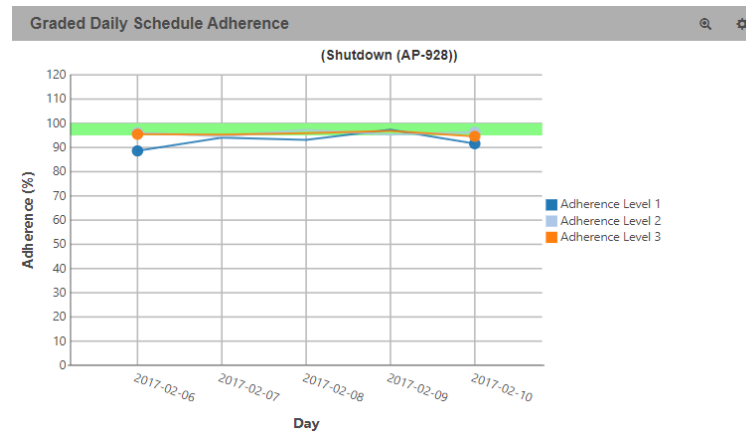
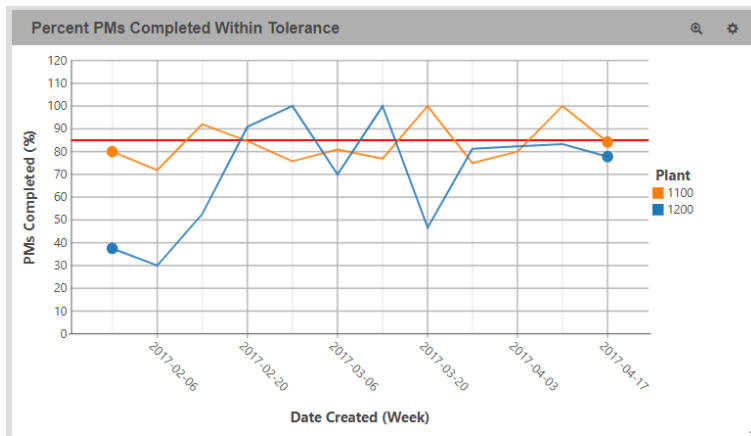
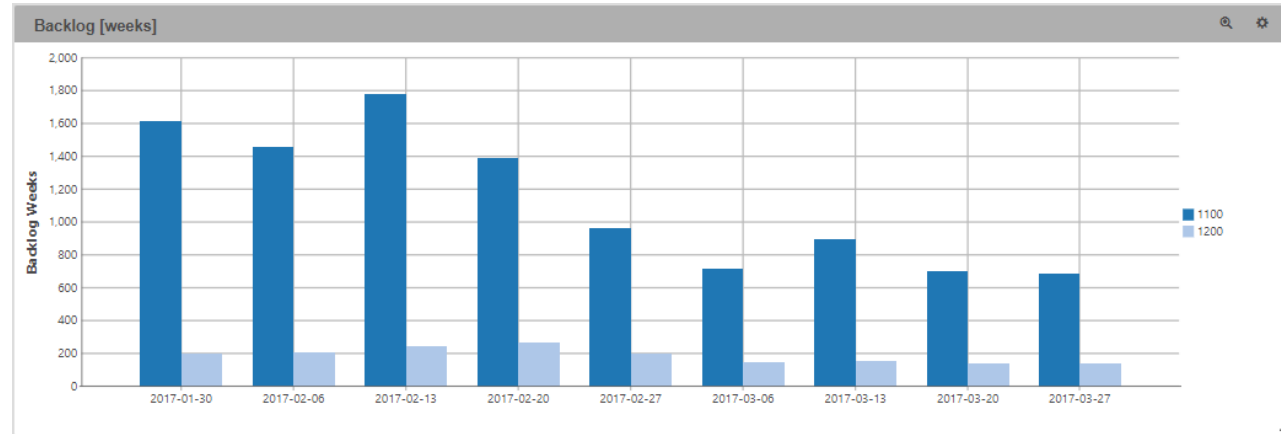
Key Business Benefits

- Direct integration with SAP live in real-time
- Improve planning & scheduling accuracy
- Maximise resource utilisation and wrench time
- Increase schedule compliance
- Better prioritisation of work based upon material availability
- Enhance communication between procurement, the warehouse, and schedulers to allow for lean inventory
- Improve staging and kitting
- Multiple transaction codes no longer required



Advantages of MAC and PMM on KPI's

- Enhance schedule compliance
- Increase wrench time and resource utilization
- Improved schedule adherence
- Reduction of backlog
- Improvement in PM Compliance
- Increase production and reduce downtime



Questions?

