

3.02/ Respect of Maintenance Plan

1/ Definition

This Metric is composed by 3 figures: each week, the snapshot calculates 3 figures around the Maintenance Plans managed in SAP

- % Respect of Maintenance Plan completed the Last week
- Number of Maintenance Plan to be completed during the Current week
- Rate of Delay on Maintenance Plans (1-30 days, 31 to 90 days, > 90days)

2/ Objective / Target

To be defined by site

Example of a good target (Benchmark SolMaX): 80%

3/ Formula

- ☒ % Respect of Maintenance Plans for the last week

Work Orders issued from a Preventive Maintenance Plan Completed in Time / Works issued from a Preventive Maintenance Plan Planned* for the last week*

- ☒ Number of Maintenance Plans for the current week

Call, Notifications or Work Orders issued from a Maintenance Plan with the Planned Date in the current week.

- ☒ Rate of Delay of Maintenance Plans

*Maint. Plans with Due Date (Planned Date or Required end date) < Snapshot extraction date**

The Delay is spread over 4 categories :

- On time
- Delay <30 days
- 31 days < Delay <90 days
- Delay > 90 days

Further Explanations

- a Work is completed when one of the different Closing status on the Work Order (GS45, GS50, GS55, 6CMP, CNF, TECO) is feeded with a date. Then the rule takes the earliest date found on the status, and compare with the Required end date of the Notification or with the Planned Date of the Maintenance Plan if there is no Notification, to determines if OK or KO for the % Respect.
- a Planned Work is a Call, a Notification, or a Work Order coming from a Maintenance Plan., for a given Planned Date. This Planned Date is generated by the Maintenance Plan depending its own parametrization in SAP

4/ Frequency

Weekly

5/ SAP extraction and Detailed calculation

For every Work issued from a Maintenance Plan completed the last week, the system compares the earliest date found on a Closing status* on the Work Order (GS45 or GS50 or GS55 or 6CMP or CNF or Reference date of the TEC O), against the Required End date of the Notification OR against the Planned Date of the Call if there is no Notification.

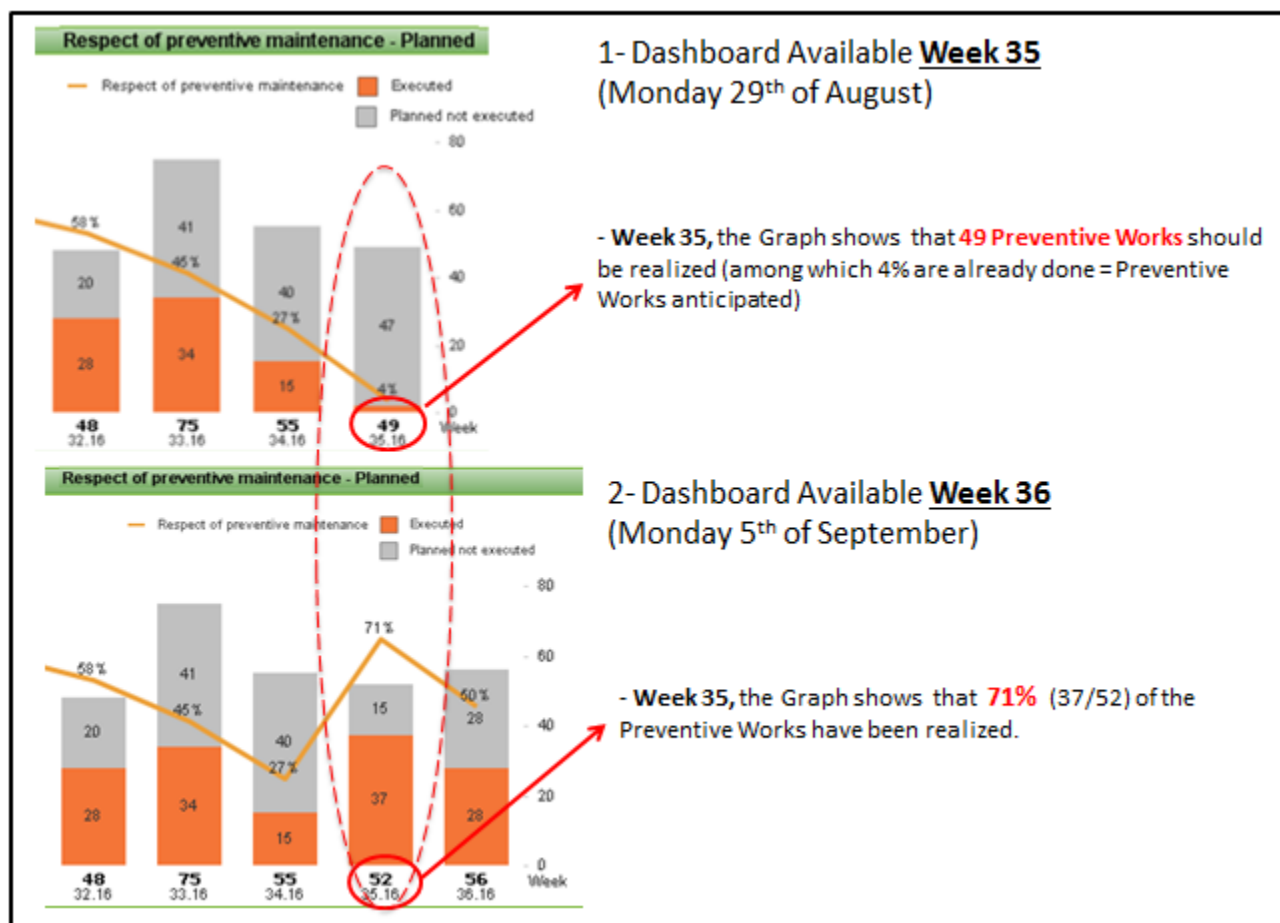
*NB: This rule is the same used in the 2.12 Respect of Notification date, for Work order NOT issued from a Maintenance Plan

Field name	From	To	I /E
WO "Closing" Status: GS45 or GS50 or GS55 or 6CMP or CNF or Reference date of the TECO of the WO	Monday (W-1)	Sunday (W-1)	I
Only Work Orders from Maintenance Plan			I

6/ Examples in QV and BW

- ☑ % Respect of Maintenance Plans for the last week and & Number of Maintenance Plans for the current week

in Qlikview



in BW Analytical Reporting

The BW Analytical report can be displayed from an aggregated level to a very detailed level, by Work orders. For example, you can extract the list of Maintenance plans with the detailed Work Orders and/or Notifications that were completed or not during the selected week (Column "Planned Activity Executed" = "1" if Executed or blank if NOT executed)

KPI 3.2		Respect of maintenance plan					
Documentation on wiki							
Nom source données		BW-MECAND - PM - Maintenance Plan Calls - SnapShot (CQ)					
Dernière mise à jour des données		lundi, octobre 03, 2016 1:46:57 AM					
						Snapshot Week	35.2016
							35.2016
Planning Plant	Maintenance Plan	Planned Date	Due Date	Maintenance Order	Notification	Planned Activity (Nb of Calls)	Planned Activity Executed (Nb of Calls)
WP1_400/7622	000000125121	04.09.2016	04.09.2016	WP1_400/11238615	WP1_400/2867108	1	
WP1_400/7622	000000139024	29.08.2016	29.08.2016	WP1_400/11233565	WP1_400/2861666	1	1
WP1_400/7622	000000142532	01.09.2016	01.09.2016	WP1_400/11225116	WP1_400/2852394	1	1
WP1_400/7622	000000142532	01.09.2016	01.09.2016	WP1_400/11225117	WP1_400/2852395	1	1
WP1_400/7622	000000142532	01.09.2016	01.09.2016	WP1_400/11225118	WP1_400/2852396	1	1
WP1_400/7622	000000142532	01.09.2016	01.09.2016	WP1_400/11225119	WP1_400/2852397	1	1
WP1_400/7622	000000142532	01.09.2016	01.09.2016	WP1_400/11225140	WP1_400/2852398	1	1
WP1_400/7622	000000142533	31.08.2016	31.08.2016	WP1_400/11224304	WP1_400/2851652	1	1
WP1_400/7622	000000142631	02.09.2016	02.09.2016	WP1_400/11226059	WP1_400/2853400	1	
WP1_400/7622	000000142632	02.09.2016	02.09.2016	WP1_400/11226058	WP1_400/2853399	1	1
WP1_400/7622	000000142894	01.09.2016	01.09.2016	WP1_400/#	WP1_400/#	1	
WP1_400/7622	000000142938	01.09.2016	01.09.2016	WP1_400/11225153	WP1_400/2852451	1	1
WP1_400/7622	000000142938	01.09.2016	01.09.2016	WP1_400/11225154	WP1_400/2852452	1	

Case 1 : Maintenance Plan is executed the week it was planned

example with a Due Date of the Maintenance Plan = Required End Date of the notification

The Maintenance Plan has created a Notification with a Required End Date populated

Maintenance plan	125121	CHIC Entretien broyeur PUC B2419			
Maint. plan hea...					
Maintenance plan additional data	Maintenance plan schedule calls				
Scheduling List					
Call Nu...	PlanDate	Call date	Completion date	Due packages	Scheduling Type / Status
143	04.09.2016		05.09.2016		Scheduled Complete

Start/End Dates	
Required Start	08.08.2016 03:30:47
Required End	12.09.2016 03:30:47

In MECANO : the Due Date <> Planned Date

					Snapshot Week	35.2016	35.2016
Planning Plant	Maintenance Plan	Planned Date	Due Date	Maintenance Order	Notification	Planned Activity (Nb of Calls)	Planned Activity Executed (Nb of Calls)
WPL400/7622	000000145723	02.09.2016 <>	12.09.2016	WPL400/11218592	WPL400/2845528	1	1

The Maint. Plan is executed week 35 because the earliest closing status (GS45) has been delivered Week 35, the 02/09/2016

Status Order and Operations Status list							
Select-Option : 000011218592							
Date / Time : 04.10.2016 / 14:55:53 hs							
Userid : RBERT							
Order	OpAc	Date	Time	Status	Status	Action	
11218592		02.09.2016	14:09:15	GS45	Reception Production	ACTIVE	

Case 2 : Maintenance Plan is NOT executed the week it was planned

example with a Due Date of the Maintenance Plan = Planned Date (as the Required End Date of the notification is blank)

The Maintenance Plan has created a Notification with a Required End Date = blank

Maintenance plan	125121	CHIC Entretien broyeur PUC B2419			
Maint. plan hea...					
Maintenance plan additional data	Maintenance plan schedule calls				
Scheduling List					
Call Nu...	PlanDate	Call date	Completion date	Due packages	Scheduling Type / Status
143	04.09.2016		05.09.2016		Scheduled Complete

Start/End Dates	
Required Start	02.09.2016 17:00:23
Required End	

In MECANO : the Due Date = Planned Date of the Maintenance Plan

				Snapshot Week	35.2016	35.2016
Maintenance Plan	Planned Date	Due Date	Maintenance Order	Notification	Planned Activity (Nb of Calls)	Planned Activity Executed (Nb of Calls)
000000125121	04.09.2016	= 04.09.2016	WPL_400/11238615	WPL_400/2867108	1	

The Maint. Plan is not executed week 35 because the earliest closing status (GS45) has been done Week 36, the 5/09/2016

Status Order and Operations Status list

Select-Option :000011238615
Date / Time : 04.10.2016 / 14:37:41 hs
Userid : RBERT

Order	Oper./Act	Date	Time	Status	Status	Action
11238615		05.09.2016	15:27:19	GS45	Reception Production	ACTIVE

☑ Rate of Delay

The Due Date of this Maintenance Plan = 29/06/16 (as the Req. End Date of the Notif. is blank)

Maintenance plan 145996 U2- Préventif mécanique de filtre choq4

Maint. plan hea...

Maintenance plan additional data Maintenance plan schedule calls

Scheduling List

Cal...	PlanDate	Call date	Completi...	Scheduling Type / Status
13	29.06.2016			Scheduled Called

Start/End Dates
 Required Start 29.06.2016 03:30:57 Priority 6 Standing work order
 Required End 00:00:00 ☐ Breakdown

In MECANO : for this Maint. Plan a Delay of 62 days is calculated at the Snapshot extraction Date (5/09/2016), putting the rate of Delay in the « 31 – 90 » category.

						Snapshot 35.2016	35.2016	35.2016	35.2016	35.2016
Maintenance Plan	Maint. Plan Call	Planned Date	Due Date	Maintenance Order	Notification	Delay	Ongoing Activity (Nb of Calls)	Ongoing Activity Delayed (Nb of Calls)	Ongoing Activity Delayed (1-30 days) (Nb of Calls)	Ongoing Activity Delayed (31-90 days) (Nb of Calls)
000000145996	WP1_400/13	29.06.2016	29.06.2016	WP1_400/11187164	WP1_400/2811213	61	1	1	1	1

In SAP : the Work Order is still in CRTD Status, so not completed

Order ZPM2 11187164 Préventif mécanique de filtre choq4

Sys.Status CRTD MANC NMAT PRC GS35

Tableau layout

Viewing data in # of calls

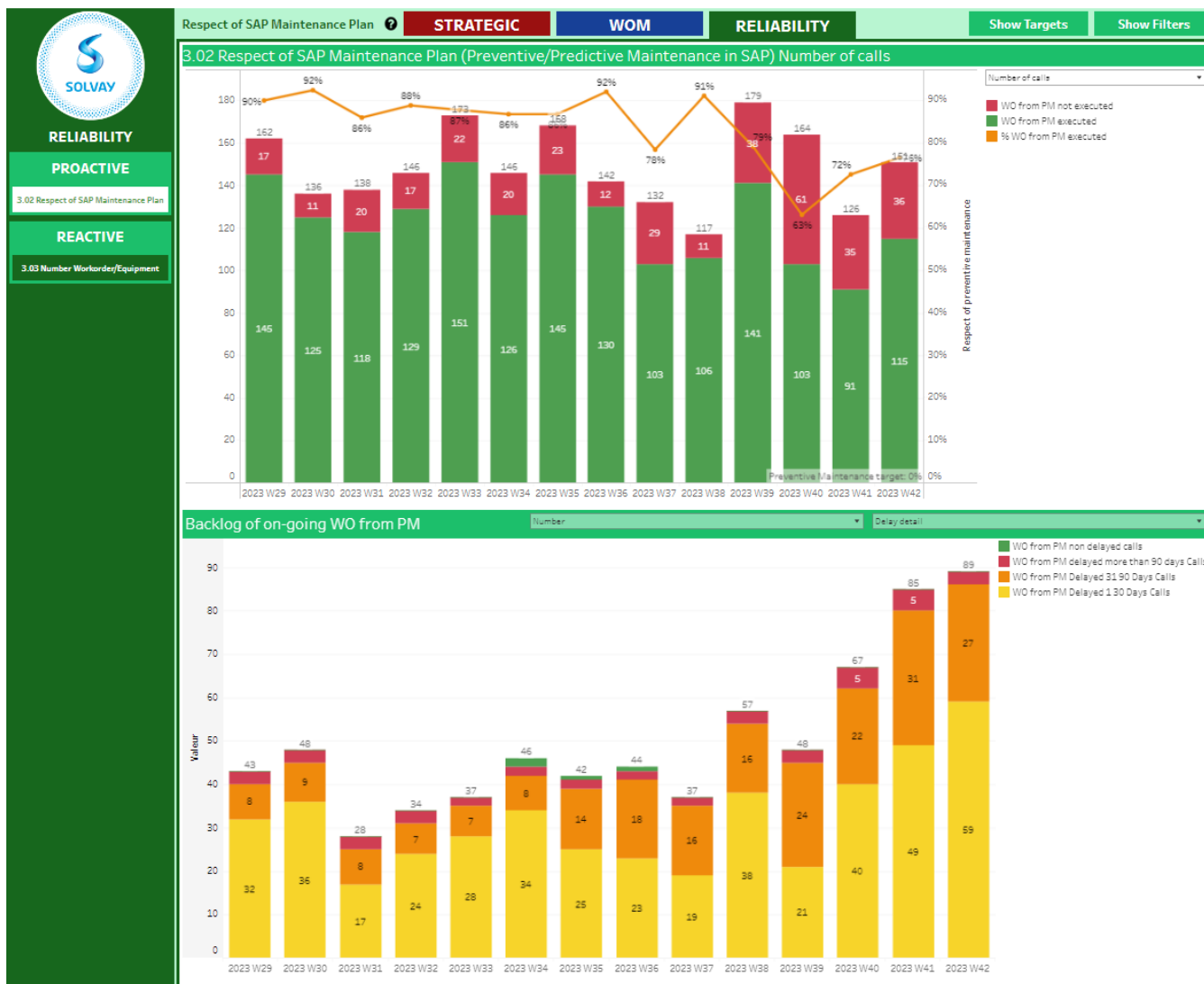


Tableau Viewing data in Actual Hours Executed

