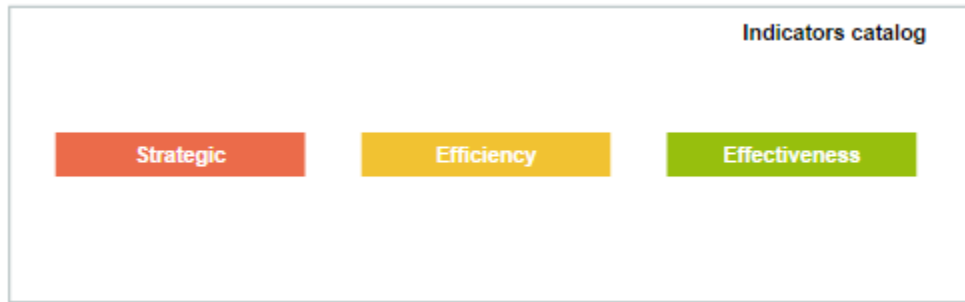


MECANO Metrics

MECANO is a tool used in the performance management which permits to calculate a complete maintenance indicators catalog.

- The book is divided in 3 families which are fully covering the maintenance management.
- The indicators calculation is automatic (based on SAP) and adaptable to the different Solvay sites.
- The indicators are mainly based on the SolmaX process.



Strategic Indicators:

This list provides information about long term processes. The frequency of calculation is at least monthly and in the majority of the cases is yearly. It allows maintenance managers and direction teams to take medium and long term decisions.

1 . 1	Maintenance costs per ton of good production
1 . 2	Direct impact of maintenance on industrial performance / impact of OEE losses CAT. 2 and 4
1 . 3	Maintenance costs versus replacement asset value
1 . 4	Structure of maintenance costs
1 . 5	Portion of Solvay maintenance headcount versus Solvay plant headcount
1 . 6	Structure of maintenance labor
1 . 7	Cost by type of activity
1 . 8	Importance of MRO (spare parts)

Maintenance Efficiency:

This list provides all the information related to the maintenance process efficiency "do the things right". After a SolWOM transformation it would allow the site to follow their improvement and also to locate improvement possibilities.

Gatekeeping	2 . 1	Created notifications by priority
	2 . 2	Number of notifications without assigned work order
Planning	2 . 3	Portfolio of work orders by status
	2 . 4	Planned work (backlog)
	2 . 5	Delayed notifications by type
Scheduling	2 . 6	Weekly scheduled compliance
	2 . 7	Break in works
	2 . 8	Available weekly scheduled resources

Maintenance Effectiveness:

This list provides all the information related to the maintenance process effectiveness "do the right things". After a ReSol transformation it would allow the site to follow their improvement and also to locate improvement possibilities.

3 . 1	OEE losses
3 . 2	Respect of maintenance plan
3 . 3	Number of WO per equipment
3 . 4	Number of Problem Solving Sessions and impact
3 . 5	Number of FMECA and impact

1 . 9	Emergency or urgent work
1 . 10	Expend versus budget
1 . 11	Capex investments

	2 . 9	Unschedulering rate by causes
	2 . 13	Daily Scheduled Compliance & Reactive Work
Execution	2 . 10	Wrench time
	2 . 11	Respect of bar code confirmation rate
	2 . 12	Respect of notification date
	2 . 14	Backlog in Number of Weeks