

Visualize and reduce losses OnView.MassBalance

Identifying localized problems in real time –
With OnView.MassBalance you will achieve
a more efficient paper recycling process.

This cloud-based solution shows in real time a modular process balance as a Sankey diagram with production rates and losses, standard operating windows, alarms to indicate deviations from desired operation range and integration of counter measures.

The benefits of OnView.MassBalance

- Real-time calculation and visualization of losses at all loss relevant locations along the process line
- Definition of standard operation windows and limits for warnings & alarms
- Definition of loss-related countermeasures allows targeted process optimization and centralized knowledge management
- Real-time support from OnPerformance.Lap experts possible

Operating principle of OnView.MassBalance in detail

First, process signals are sent to the cloud where they will be used in mass balance calculation, and the losses can be monitored in the online application. The operators are then informed immediately when the main process streams are leaving the normal operation window. To solve the issue and bring the process back on track, different shifts may use different methods. The easy integration of countermeasures related to the main streams helps the paper makers to keep standardized procedures to efficiently mitigate problems on the line. If the mill do not have people to analyze the process data from OnView.MassBalance, Voith can do this job for the customer with the OPL service. The service can include reporting, remote support for technological analysis and system update/implementation.

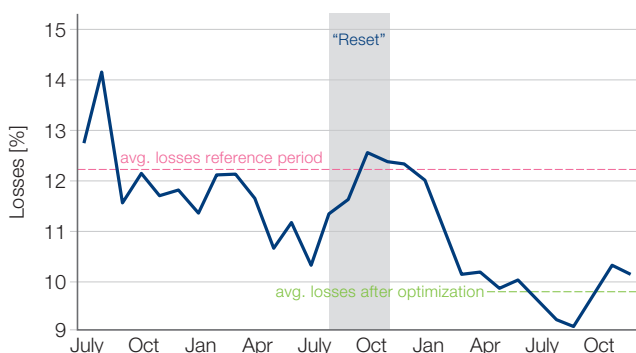
Necessary equipment and modular setup

Installation of additional flow and consistency transmitters may be required depending on the level of automation in the plant. There is no need for additional camera systems at pulper feed or reject conveyer, but the basic version of OnView.MassBalance can be upgraded with additional camera systems to increase the balance accuracy for the sub-systems pulping and coarse screening.

App features

- Clear visualization of the total losses along the process line as Sankey diagram
- Indication of losses deviation from standard operation range
- Simple integration of countermeasures related to losses streams
- Link between the process sub-systems and the corresponding machine parameters in the OnCumulus.Cockpit
- Display of additional KPI's (specific losses, cumulated losses...) in dedicated dashboard

Field results



“OnView.MassBalance allowed us to save 1.550 tons of fiber already in the first year after implementation. In the second year the savings increased to 5.350 tons and after some more optimizations, the average now even reached 600 tons of fiber savings per month, compared to the reference period.”

Fernando Carroquino,
Industrial Director Saica Paper, December 2020

How can we support you?
Just contact us via our **webform**.



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