

Optimizing conveyor monitoring in a PMC sorting line

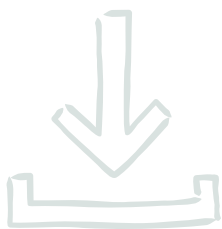


How VALTRIS reduced unplanned downtime with Indao

WASTE MANAGEMENT

CONVEYORS





VALTRIS context and activity

VALTRIS operates in the PMC waste sorting sector and manages a sorting line where conveyors play a central role. Before the implementation of Indao, the team was dealing with a large volume of scattered data that was difficult to interpret quickly.

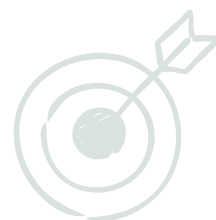
The priority was clear: to **synthesize the data** and make it easier to read in order to support preventive and predictive maintenance.

The initial challenge

Several obstacles were limiting operational efficiency:

- Lack of global visibility across the sorting line;
- Time lost interpreting scattered data;
- Difficulty anticipating anomalies and stoppages;
- Direct impact on maintenance costs and process stability.

The main consequence was frequent unexpected stoppages, leading to lower productivity and heavy maintenance interventions.



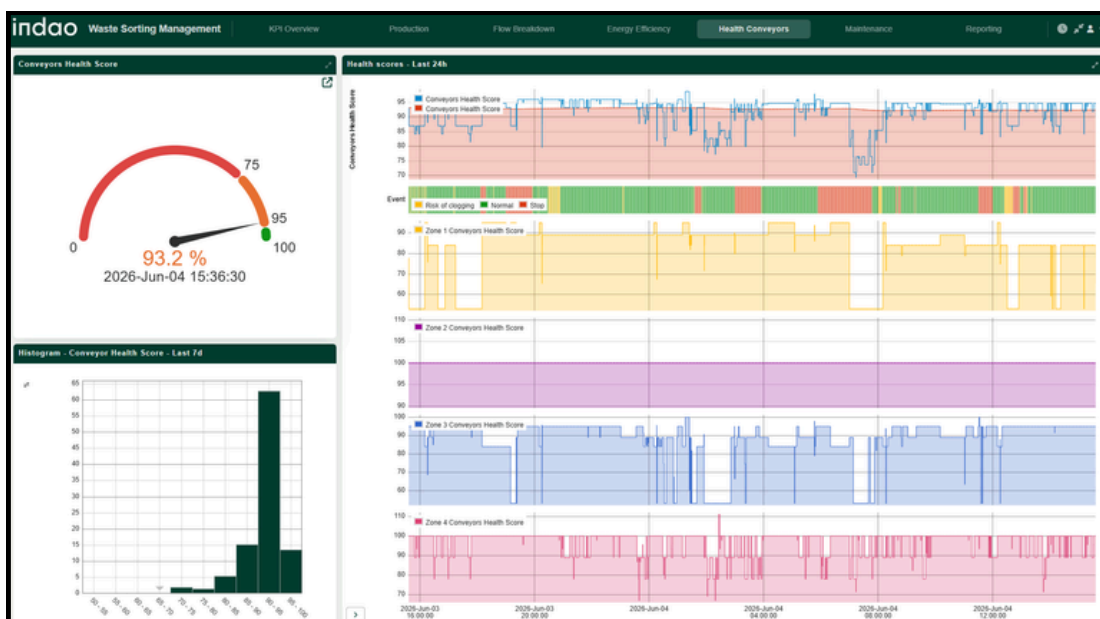
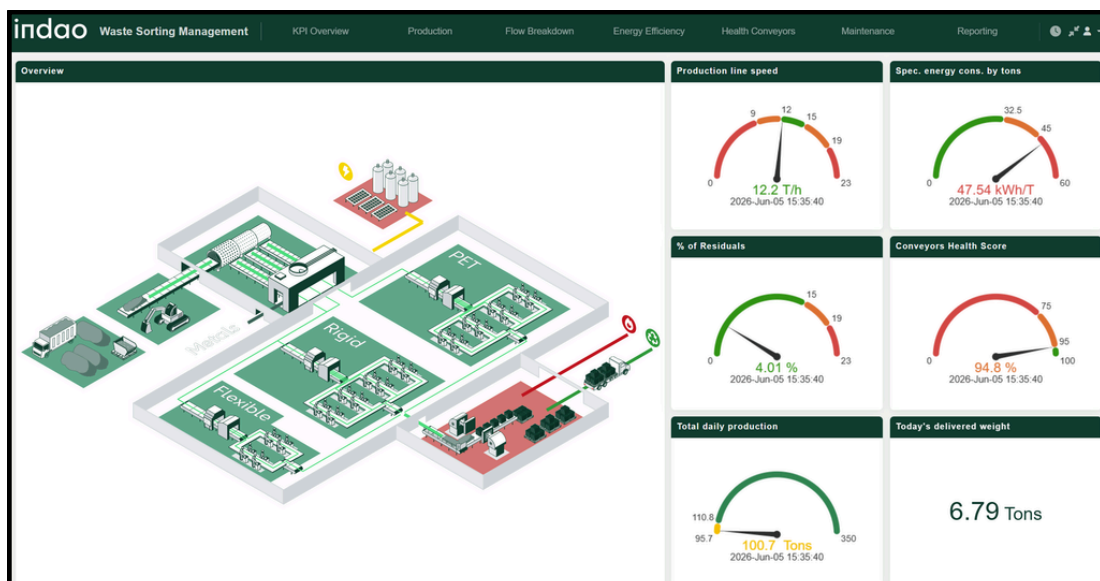


The solution implemented

Indao deployed its solution across the **conveyor line**, combining several functional building blocks:

- Dynamic dashboards;
- Continuous monitoring;
- Predictive models to detect deviations;
- Root cause analysis.

The collaboration was smooth and iterative, with follow-up meetings every two weeks to progressively fine-tune the models and dashboards.





Measurable results

The benefits were immediate and significant.

Quantitative results

- Significant reduction in unexpected stoppages;
- Decrease in heavy maintenance interventions;
- Improved overall monitoring of the sorting line;
- Greater process stability;
- Estimated business impact: increased equipment availability represents an estimated economic impact of **€200,000 per year**.

Qualitative results

- Data is now clear, synthesized, and accessible;
- Better decision-making for operators and maintenance teams;
- Real-time visibility of risk areas.

Used by several operational profiles

- Operators;
- Maintenance teams;
- Process engineers.



The teams quickly adopted the tool thanks to its clear and user-friendly interface.



Testimonial

“The software provides us with a clear and fluid synthesis of our data, making preventive maintenance actions easier and significantly reducing unexpected stoppages.”

- Thomas Dalla-Riva, Responsable d'unité, VALTRIS

Future developments

VALTRIS is now considering extending the use of Indao to:

- Optical sorters;
- Moisture monitoring of the material on the line.



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