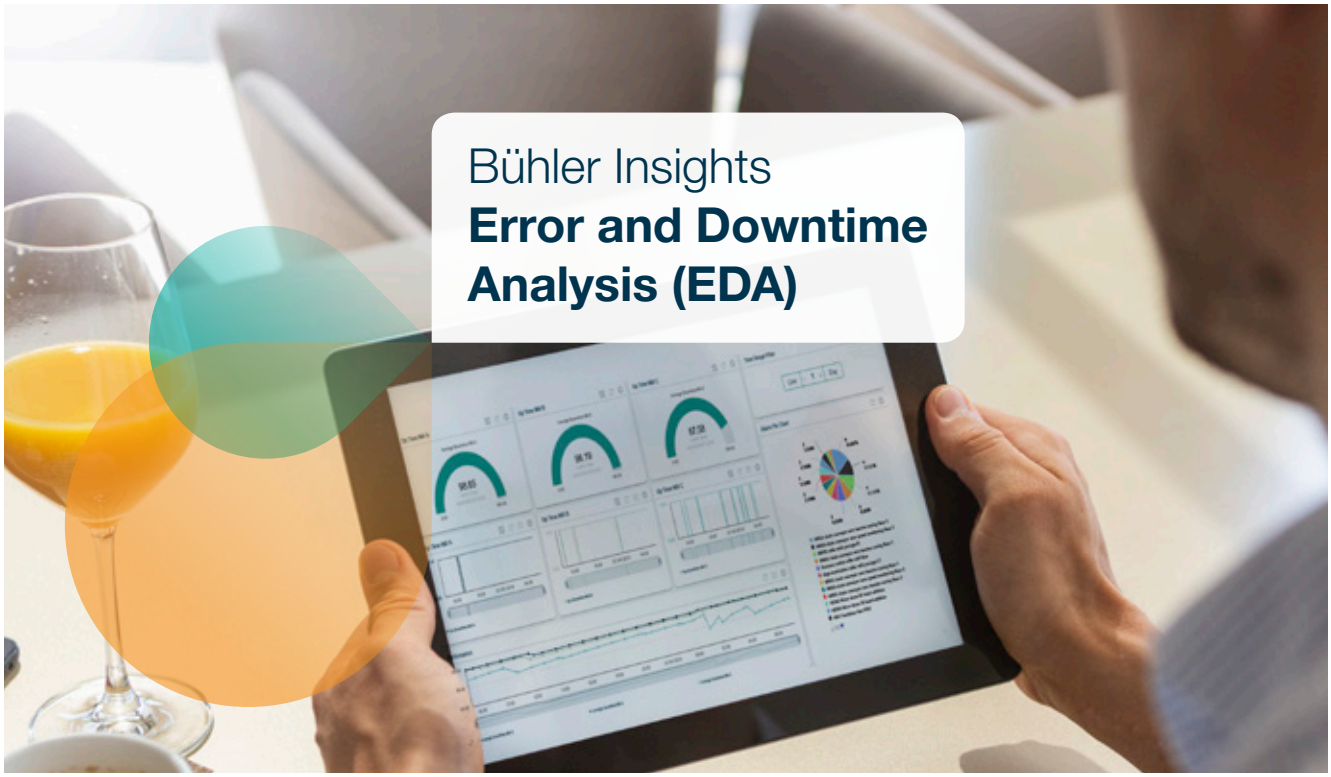
Flyer Error and Downtime Analysis en 08/19



Bühler Insights
Error and Downtime Analysis (EDA)

Not seeing the wood for the tree is an issue we often face in plant maintenance. With advanced analytics, Bühler's Error and Downtime Analysis (EDA) is able to deliver much more than an error list.

Bühler's EDA provides insights for smart actions and the basis for predictive maintenance and self-improving processes. Historical and actual data are collected, analyzed and visualized. Anomalies can be detected and optimally broken down to their root cause. This fast and convenient way to identify improvement potentials increases plant availability and efficiency sustainably.

Increase uptime by up to 1 % with

- Information transparency by customized trends and benchmarking
- Efficient and lasting problem solving by identifying anomalies and their root cause

Bühler Insights

Error and Downtime Analysis will be available on Bühler Insights. A central platform for Bühler's digital services. There, data is collected, analyzed and transformed to valuable information about your operation. You have all the information at your fingertips and customized to your needs. Ultimately, predictive services and machine learning modules will help to improve quality and efficiency of your plants even further.

Bühler Insights is based on Microsoft's Azure cloud providing maximum reliability and data security.

The dashboard overview does not only inform, it makes transparent.

Highly intuitive and thanks to customized settings just as you want it.

1 Error and Downtime Analysis provides an overview of the overall plant performance. Have it your way by filtering based on sections and time periods.

2 Benchmarking allows the comparison of different shifts, time events or even complete lines. Customized alarms can be generated if defined thresholds are not met over certain time periods.

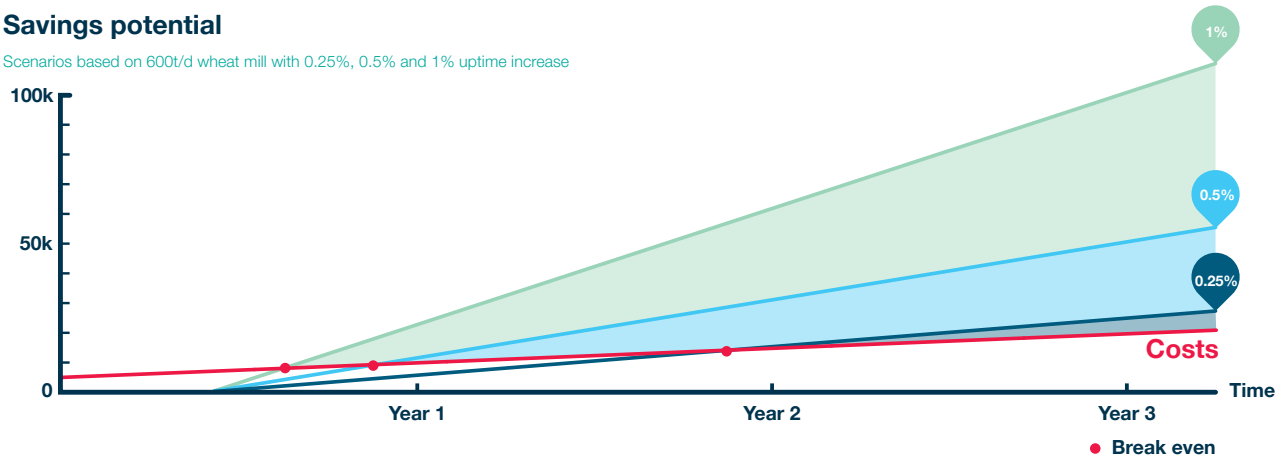
3 Trend analysis displays the most frequent errors and their overall impact on your downtime.

Requirements

Latest WinCos version 2, release 2.2

Savings potential

Scenarios based on 600t/d wheat mill with 0.25%, 0.5% and 1% uptime increase



Depending on age, process, automation degree or service cycles the potential for improvement differs for each individual plant. However, already with a minor uptime increase of 1 % a payback within one year can be realized. In the best case EDA is amortized after only a few months.

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