Flyer Downtime Analysis en 06/19 Z&B

Downtime **Analysis.**

System availability at a glance.

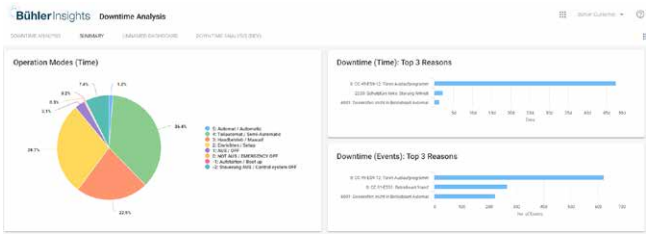
Optimize your die-casting production with Downtime Analysis – a production analysis tool designed for your Bühler die-casting machines and cells.

Machine failures lead to a loss of efficiency, energy and productivity and can have a severe impact on your bottom line. Our Downtime Analysis tool enables you to determine the cause of any interruption, and whether it is due to a machine failure, human error, or a defective peripheral. In addition, it gathers long-term data on all downtimes in your production process, providing invaluable insights for troubleshooting and improvement.

Time series data can also be visualized in order to help you to match production failures with their causes and to analyze the effectiveness of fixes as you move forward.

Benefits for your foundry

- **Increased availability** of your cell because of early detection of possible downtimes
- **Profitability** – reduced service costs due to continuous improvement and maintenance
- **Traceability** – get a continuous overview of your production history
- **Improved efficiency** – plan your maintenance through systematic logging of history



This example screenshot of the summary page shows an overview of a complete foundry, with the top three reasons for downtimes, the three longest downtimes per machine and the current operation modes.

Continuous evaluation of downtime of die-casting machines and peripherals

Data and analysis available 24/7 on any smart device

Securely connected to the cloud through Bühler IoT solution

Innovations for a **better world.**

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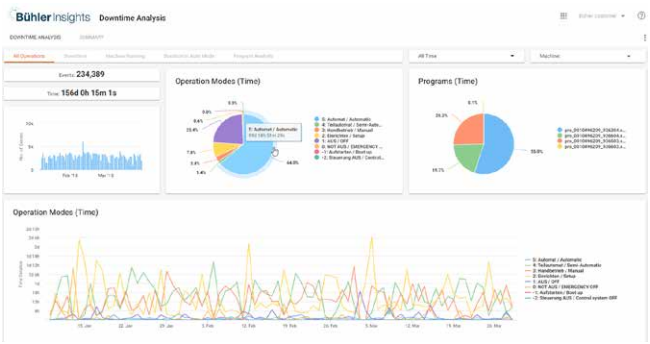
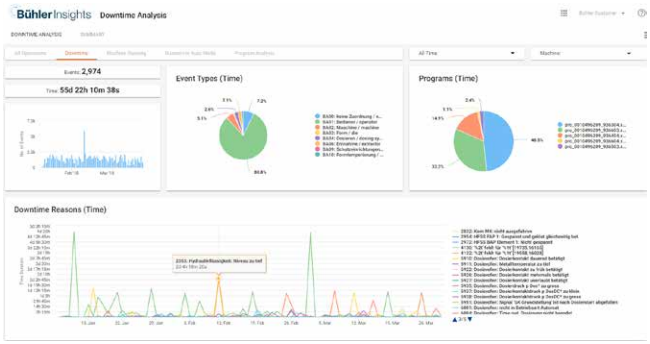
Operations Dashboard.



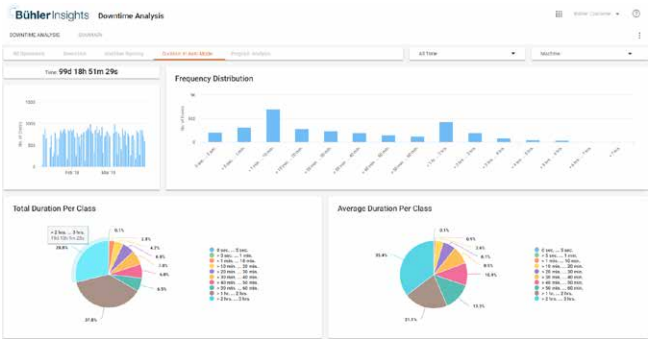
The operations dashboard allows you to monitor and analyze machine modes and run-times. It also shows selected machine operation history. You view them by operation mode or die-program in any timeframe you choose.

Downtime Page.



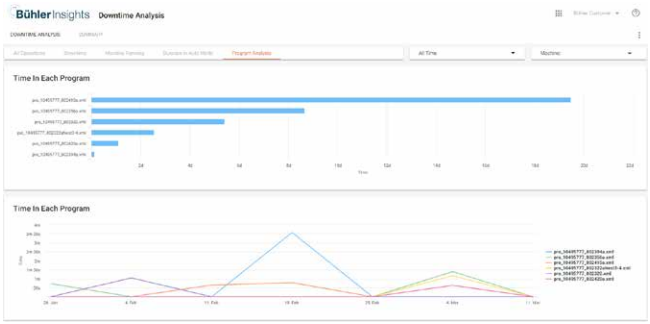
You can view all downtime causes in a specific timeframe through the downtime page. You can analyze downtimes by mapping events against die-programs and improve efficiency by identifying maximum downtime causes.

Duration in Auto Mode.



You can keep track of efficiency by viewing the timeframe of running machines.

Program Analysis.



The program analysis page helps you to keep track of production schedules, displaying the time and duration of running of programs.

Prerequisite: Your machine should have Bühler IoT gateway, access to the internet, and DataView / DataNet.

Lead time: If you have a Bühler IoT connected foundry, Downtime Analysis can be connected within one day.
For a foundry that is not connected to Bühler IoT, delivery time upon request.

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