

Plant automation

DATA ANALYSIS

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- Make process data clear and insightful
- Identify production constraints
- Hit sustainability initiatives
- Internal benchmarking of processes
- Create production awareness and overviews
- Support decision-making processes in the production
- Save time and money on your processes
- Gain actionable insights

In today's production facilities, it can be difficult to determine production efficiency losses accurately. All companies experience bottlenecks, sudden breakdowns and find they cannot achieve the full potential of their production processes – the data analysis module creates a usable platform to inform the plant of the losses and filters them to assist in the next steps to improve.

Au2mate has developed the data analysis module, which captures the right data to allow for better decisions, contributing to increased

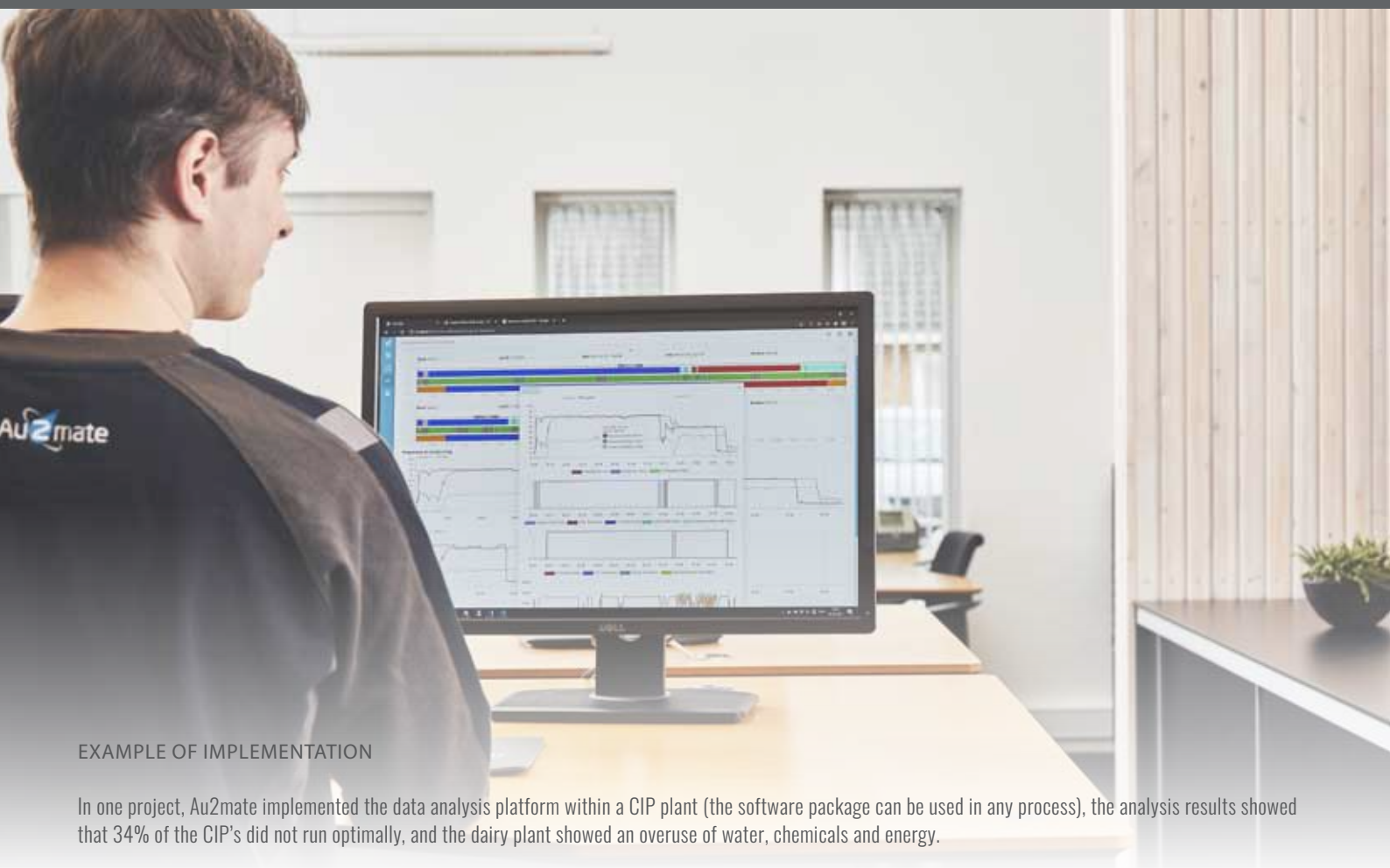
efficiencies by optimizing production processes and thereby reducing time and waste.

By focusing on what the data analysis module offers, your company will get an insight into your key production indicators across different shifts, departments or even factories, which increases uptime in the production.

By identifying bottlenecks, the data analysis module determines where to focus to improve the production process, i.e. operations can make the right decisions on the daily production as well as leaders on the management level. The data analysis is a dynamic tool, that can present data in different ways for different levels in your organization, in that way, the data will be available and understandable for all.

The tool gives you a fast overview, which makes it easier to benchmark against validated "best" production runs and minimise waste. As a result, the user can proactively respond to deviations in the production processes before they become a problem, enabling the engineering team to resolve the problem before it becomes costly.

By continually analysing the data, the company can make continuous improvements, these marginal gains and enhancements accumulate, ensuring the efficiency improvements established happen.



EXAMPLE OF IMPLEMENTATION

In one project, Au2mate implemented the data analysis platform within a CIP plant (the software package can be used in any process), the analysis results showed that 34% of the CIP's did not run optimally, and the dairy plant showed an overuse of water, chemicals and energy.

By optimizing the CIP process efficiency gains on process time, resource and less energy use, could be reduced, therefore the dairy plant improved its knowledge of the constraints, acted upon the data and gained great savings.

