

Understanding data – Making better decisions

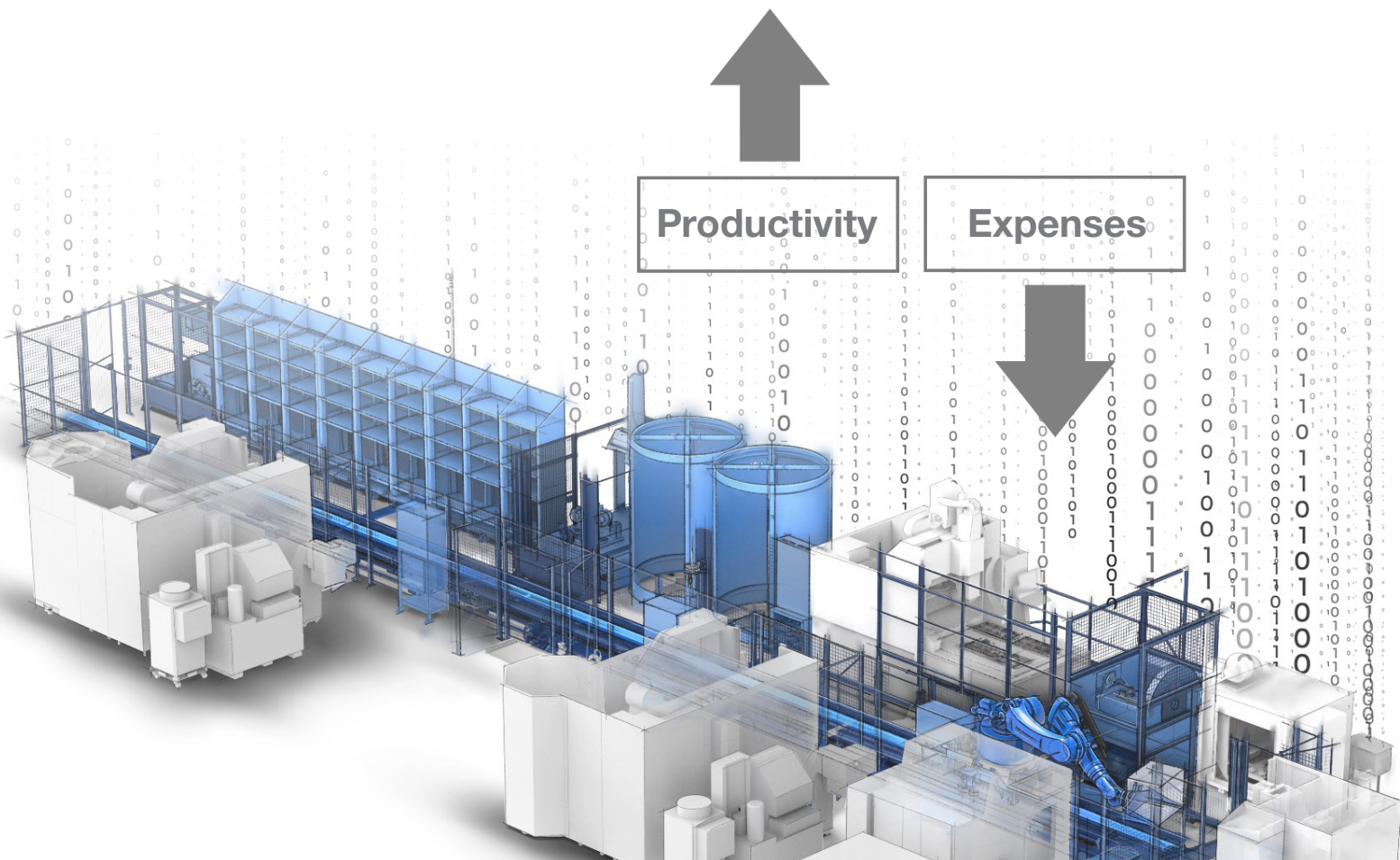
Your partner for data extraction, modeling,
and data-driven optimization

The systematic collection and analysis of data forms the basis for informed decisions and sustainable process optimization. Thanks to targeted monitoring of key performance indicators (KPIs) or trends and data patterns, energy consumption, errors, product quality, and downtime can be analyzed and optimized in real time. Modern approaches from data science, such as machine learning (ML), create the basis for continuous optimization of

- » Energy consumption
- » Quality
- » Availability
- » Operational reliability.

In data science, mathematical and statistical methods are used to identify trends and correlations and make predictions. It is not uncommon for the analysis of data using artificial intelligence to reveal previously unknown results.

JAG combines in-depth process knowledge with many years of experience in automation, plant engineering, and robotics. This enables data to be not only processed correctly from a technical standpoint, but also interpreted in the right industrial context and used specifically for sustainable optimization.



Your options

Unlock the potential of your data

Data as a Product

We extract data from control systems—whether from JAG, Siemens, or any other control system. We then process it and make it available in the appropriate format via the desired interfaces. Supplemented with contextual information such as energy or costs, this results in data that can be used directly for analyses, forecasts, AI models, or external products.

- » Provision of raw data, event data, or calculated key figures
- » Extraction of data from control systems, whether JAG, Siemens, or other control systems.
- » Provision via customer-specific interfaces and formats

Data as a Service

The data is available, but the expertise needed for a sound evaluation is lacking. With statistical expertise and process understanding, we create transparency regarding efficiency, consumption, and throughput and derive concrete optimization potential.

- » Analysis of the current process status based on available data
- » Detection of deviations, losses, and optimization potential
- » Forecasts or detailed consumption analyses

Data as a Platform

Regardless of the data source, we consolidate all information in a central JAG environment and depict both monitoring and analyses in a separate, clearly structured system. This results in clear visualizations and consistent transparency across all levels.

- » One central platform for monitoring, analysis with drilldowns, and visualization
- » Role-based KPIs for operators, team leaders, and Management
- » Presentation of forecast models and future scenarios

Your advantages at a glance:

- » Identify and exploit potential for optimization – thanks to targeted data analysis
- » Real-time KPI evaluation and monitoring with drill-down options
- » Simulation and evaluation of optimization possibilities based on real process data
- » Provision of previously unavailable process information
- » Deep understanding of processes thanks to many years of experience in the process industry



JAG Jakob AG

Industriestrasse 20
CH-2555 Brügg
T +41 32 374 30 30
jagpt@jag.ch
www.jag.ch