



**Shedding a light on
your hidden potentials**

Data Analytics for Machines

Uncovering potential for continuous improvement processes in shop floor environments through analysis and monitoring of machine-level data.

Your benefits



Increased productivity and cost efficiency

Monitoring of proven KPIs such as OEE increases transparency and leads to insights. These insights pave the way towards continuous optimization of production processes.



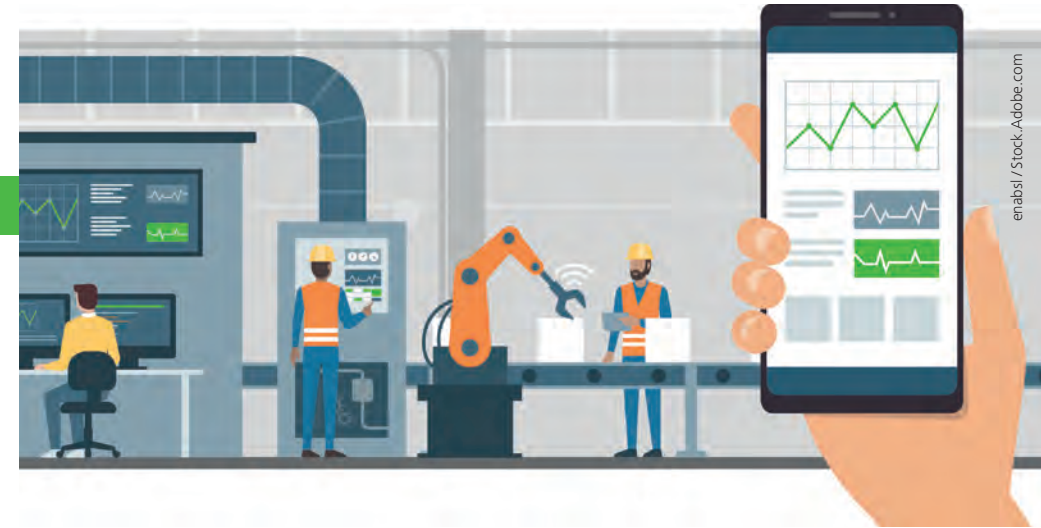
Higher equipment availability

Early detection of oncoming incidents through monitoring and analysis of real-time data from shop floor equipment allows predictive action against unplanned downtimes.



Improved product quality

Historization of machine data shapes the foundation for comparative investigation and of quality influencing aspects. This is the key to eliminate defects and limitations in quality.



Flexibility & Scalability

All dashboards and monitoring charts are based on web-technology and can be accessed locally and remotely through underlying web services. A maximum of connectivity towards the shop floor equipment is provided by standard interfaces such as OPC-UA, MQTT and REST.



User-defined KPIs and dashboards

Realize your ideas and requirements. We support you with training or integration services upon request.



Suitability for retrofit into existing shop floors (brownfield installation)

Eckelmann offers systems integration expertise for seamlessly embedded solutions even in brownfield environments.



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Eckelmann – Partner for automation and digitization

We are specialists for the **automation** and **digitization** of industrial manufacturing processes. As a **full-service provider**, we provide all services from a single source – from consulting planning to implementation and long-term support.

We **bring** automation technology and information technology **together** and create solutions for the **factory of the future**: smart – intuitive – autonomous.



Have we aroused your interest?



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