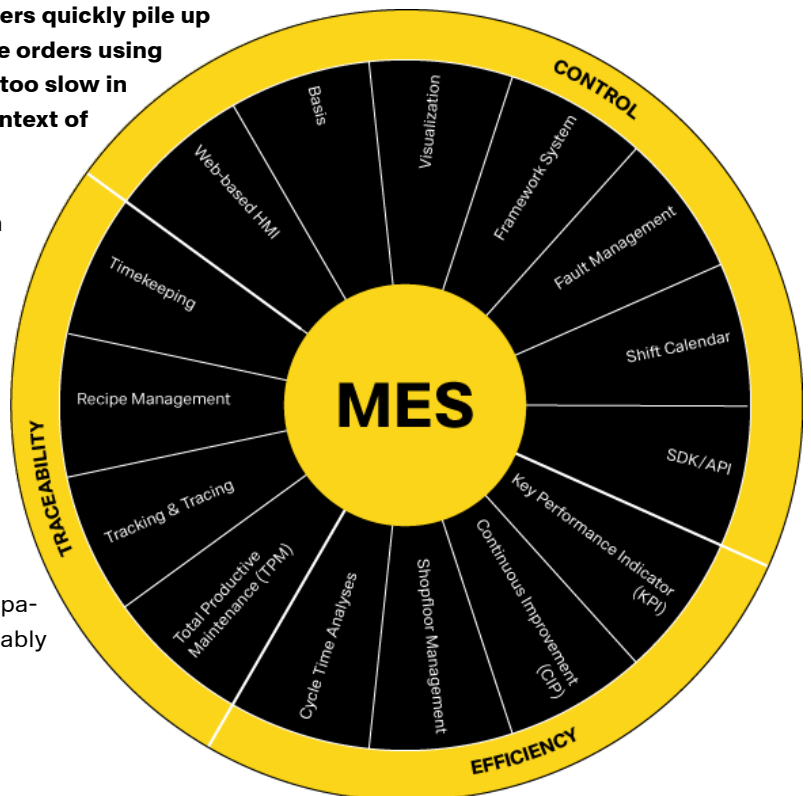


Intelligent networking of all resources and systems in production with an MES

INCREASE THE EFFICIENCY OF YOUR PRODUCTION BY 5% WITH OUR MES SOFTWARE

Manufacturing and production generate vast amounts of data that need to be collected and processed. A large number of orders quickly pile up in production and it is hardly possible to control these orders using paper slips. This approach creates inflexibility and is too slow in the rapidly growing dynamics of production in the context of digitalization.

With our Germanedge Manufacturing Execution System (MES), all resources and systems in production are intelligently networked. In addition to the SAP orders immediately integrated in the MES, you can use the software to plan the availability of your machines, resources and employees, which makes a decisive contribution to increasing your productivity. Our Germanedge MES software detects and rectifies faults immediately. The software can also be used to react quickly to new situations and production requirements. The MES software from Germanedge is a future-proof, cloud-based solution that creates a high degree of transparency through real-time data collection and thus sustainably increases efficiency in production.



Functional overview of the software

- **Production monitoring and control:** Our MES software enables you to monitor and control your production process in real time. By automatically collecting and processing data from machines and sensors at store floor level, production performance can be tracked and decisions can be made quickly.
- **Central Production Control / SCADA:** Central Production Control enables you to monitor all machine data and messages. Alarm management is also part of the software: you receive an automatic alarm in the event of machine downtimes. This allows you to react quickly to changes in the production process.
- **Traceability and Track & Trace:** The MES software enables seamless tracking of your products and components - throughout the entire manufacturing process. This is particularly important in industries with strict compliance requirements, such as the food and pharmaceutical industries. Components are seamlessly recorded and tracked during production and all events and production parameters are logged for each component.
- **Machine and production data acquisition (MDA/PDA):** Our module for machine and production data acquisition enables you to react quickly to faults with the help of regular online monitoring of real machine statuses without manual effort. An automated alarm system monitors tolerance and intervention limits.



Insight into our modern software application: Dashboard from Machine and production data acquisition (MDA/PDA)

Integration options of the software

- **Automatic transfer and validation of machine and production data:** Using specialized MDX (Machine Data Exchange) solution to connect all PLCs at production level.
- **Shift calendar:** Production calendar with planned shifts and events, for generating switching commands and evaluations.
- **Database systems:** Integration in database systems (Oracle, PostgreSQL, MSSQL) to store and retrieve production data.
- **Direct SAP integration for reading and updating SAP data:** Relevant production orders with updates are exchanged through SAP integration. Maintenance orders are also assigned in SAP based on shift events.

Advantages of our Manufacturing Execution System software



ROI after 13-19 months: Rapid amortization of the investment through cost savings and increased efficiency.



Increase in output by at least 3%: By using Germanedge MES software, you will increase the total number of pieces in your production by at least 3%.



Efficiency increase of at least 5%: Due to the faster ability to react to process deviations by using our MES software, machine availability is increased and plant availability is increased by avoiding unproductive times.



Latest architecture technology: Our MES software is available as a SaaS solution, on premise or as a hybrid concept, and all important information is available on mobile devices.



Provision of information in real time: By recording and visualizing information in real time, throughput times are reduced, downtimes are reduced through usage-oriented, preventive maintenance and thus disruptions are avoided.



Reduction of costs: By using the Human Machine Interface in our MES software, you reduce the costs for hardware and operations, as it runs in the web browser and you do not need an additional computer to use it.

Contact us!

