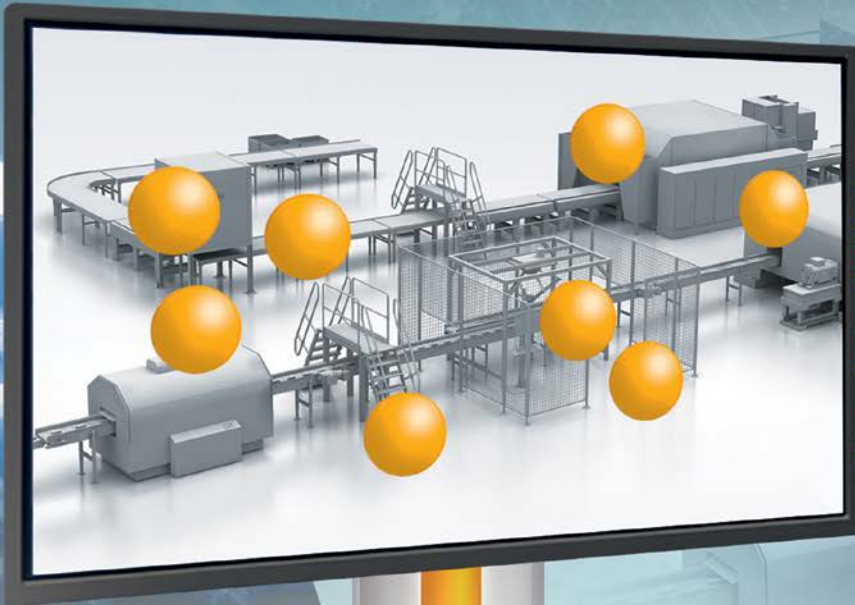


BAUDIS 




BAUMÜLLER

Process optimization with
BAUDIS IoT

be in motion

**BAUDIS IoT – Lower costs.
More efficiency.
Better planning capability.**



With BAUDIS IoT, the Baumüller Group offers a flexible diagnostic and communication system, which enables simple networking of machines as well as a quick intelligent analysis of production, process and automation data. The system can easily be retrofitted. It is therefore ideal both for greenfield and brownfield solutions.

Production of the future

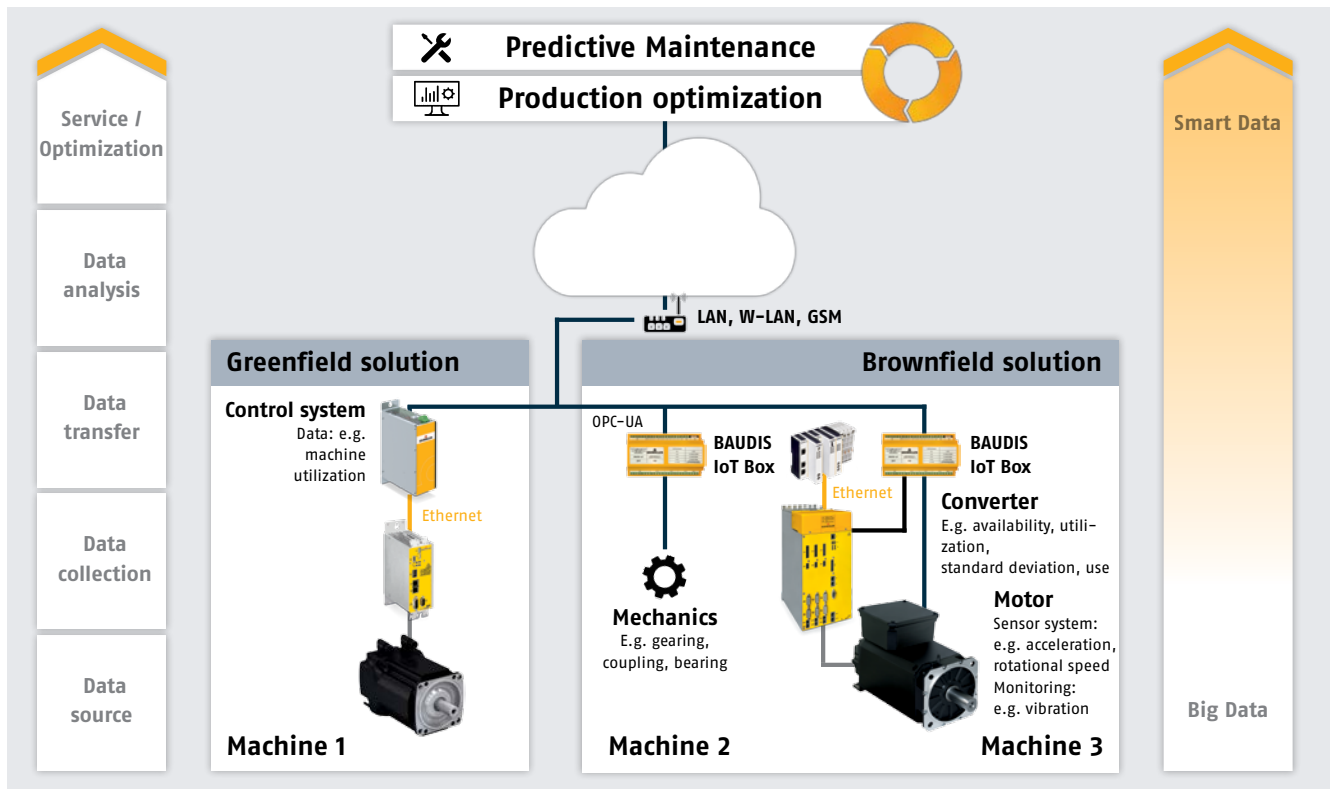
The requirements for mechanical engineering are increasing

- Higher productivity and machine availability
- Concepts for predictive maintenance
- and many more

The demands on producers are increasing

- Flexibility and individualization of production
- High maintenance and spare parts costs due to fixed maintenance intervals
- Network-capability of heterogeneous machinery of different manufacturers and years of manufacture
- Globally deployed, highly-specialized service teams
- and many more

BAUDIS IoT – Can be used for greenfield and brownfield



Greenfield solution

- Data collection via industrial PC or via BAUDIS IoT box
- Production and drive data are recorded and transmitted to local servers or the cloud via LAN, W-LAN or GSM
- BAUDIS IoT software evaluates the data and allows deep analyses or informs/warns

Brownfield solution

- The BAUDIS IoT box collects and prepares from external sensor systems, mechanical components or drive and automation components (such as control units) and transmits it to local servers or the cloud via LAN or W-LAN
- BAUDIS IoT software evaluates the data and allows deep analyses or informs/warns

Flexibility for your respective need:

- Individual evaluation algorithms can be generated, e.g. for collection, analysis, evaluation, processing and visualization of processes
- Can be used regardless of the machine manufacturer and the year of manufacture
- The latest sensor technology can be purchased and is easy to connect (regardless of the manufacturer)
- The system can be adapted to all actuators/motors and can be expanded
- Flexible data management: Locally (e.g. on a separate server) or in the cloud
- Selection of different cloud service providers with high security levels possible (e.g. T-Systems, Siemens Mindsphere)
- Flexible data transfer possible via LAN, W-LAN or GSM
- Future-proof system, can be kept updated for years

Turnkey IoT solution – from the benefits analysis to the complete system



Together, we find the way to the right solution for your respective needs. Our IoT specialists from IEMTEC and Baumüller Anlagen-Systemtechnik will help you – from the first analysis to the complete solution from a single source.

Your challenge – BAUDIS IoT Use Case

- Analysis of application/process
- Check the existing infrastructure
- Joint definition of the objective

Our solution – BAUDIS IoT Concept

- Definition of the system requirements
- Solution of the use case and selection of the selection, analysis and visualization
- Description of the service package, including total price

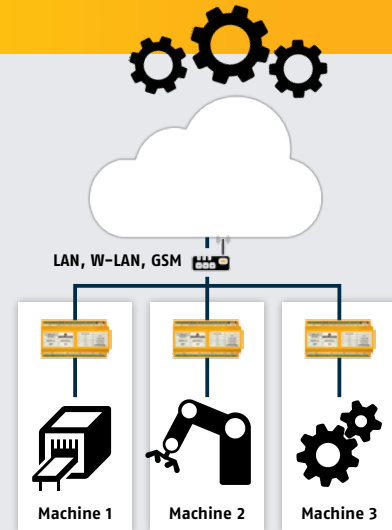
Implementation of the solution – BAUDIS IoT Go

- Assembly and commissioning by Baumüller (optional)
- Setup of the software
- Start of the evaluation

BAUDIS IoT Use Case: Benchmarking

- Continuous collection of data from different production lines around the world
- Comparison of different production units with each other
- Data analysis to identify and eliminate process weaknesses
- Access level with respective adjusted informational scope and access authorizations (e.g. operators, group manager, plant manager, management)

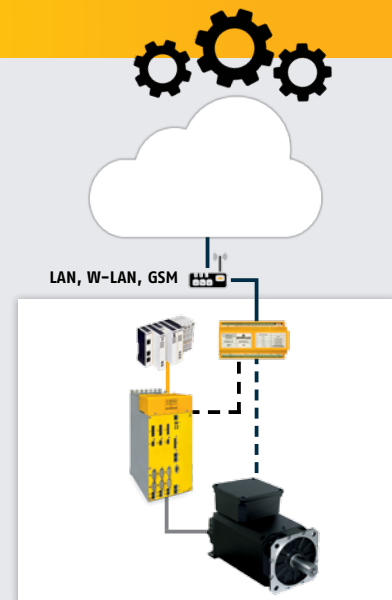
Your benefits: Increase in efficiency



BAUDIS IoT Use Case: Predictive Maintenance

- Predictive maintenance by collecting data from the process or the drive system
- Predictive Maintenance: Early warning against possible failures allows for targeted planning of maintenance intervals and service capacities
- The evaluation always occurs with the latest available algorithms
- The system is continuously made more intelligent and increases performance through self-regulating processes
- Avoidance of machine downtime

Your benefits: Service and cost optimization as well as increase in machine and system availability



We are happy to serve you –
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