IBYKUS/ IoT suite

connect

Retrofitting of non-networked industrial machines for **Industry 4.0**

Collection and visualization of sensor data and operating times in the production process

Presentation and selection of job cards/production orders at the machine

Collection and visualization ofadditional information in the production process, e.g., checklists
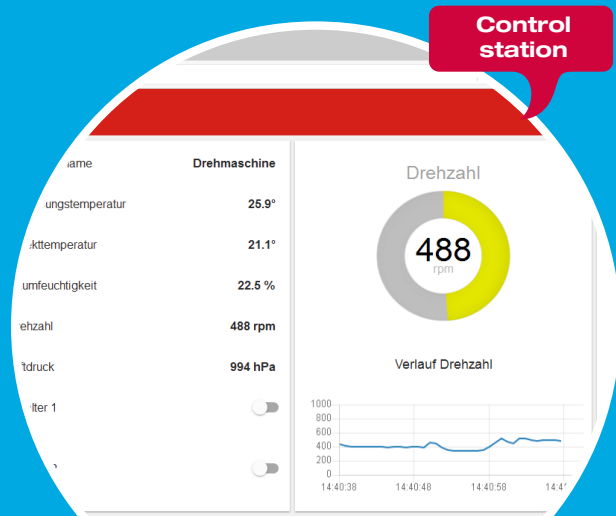

Machine with IoT terminal

Multifunctional sensor

connect / manage / extend

manage

Visualization of the state of the machine as a cockpit overview

Paperless production thanks to visualization of order and production data at the machine

Flexible access within the production environment or as management cockpit
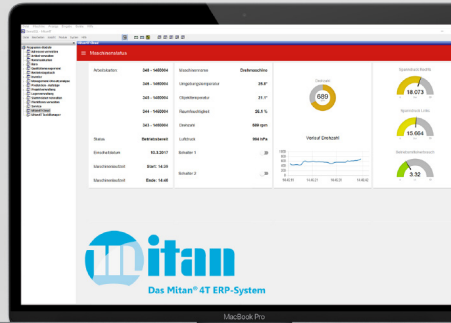
extend

Visualization of the control station within the Mitan ERP system

Creation of production orders/job cards

Assignment of job cards to production machines

Production release

Automatic writeback of production data from the machine to Mitan job cards

connect / manage / extend

PRODUCT DESCRIPTION

The IBYKUS/ IoT suite provides a step-by-step introduction to Industry 4.0. Thanks to retrofitting and integration into existing software environments, the system can be implemented efficiently and cost effectively.

FIELDS OF APPLICATION

- Digitization of machine workstations
- Bidirectional connection of order processing to production
- Collection and visualization of sensor data and operating times in the production process
- Presentation of work instructions and other process documents at the machine
- Predictive maintenance

RANGE OF FUNCTIONS / MODULES

Dashboard module
Visualization of control stations and cockpits

Checklist module
Compliance with and documentation of work instructions and test procedures

Authentication module
RFID or barcode scanner

Multilingualism
User-dependent internationalization of the application

Database connection (MSSQL, MySQL, Oracle)
Integration into existing IT infrastructures

ERP compatibility
Connection to existing systems for production digitization, e.g., MITAN® 4T ERP system / mitan.de

VALUE PROPOSITIONS

The IBYKUS IoT suite provides you with an integrated approach for implementing digitization in your company:

- Cost savings through retrofitting of non-networked industrial machines

- No need to invest in PDC terminals thanks to Raspberry Pi solutions

- Direct collection of plant data at the workstation

- Downtimes minimized thanks to prompt evaluation of malfunctions and machine states

- Optimization of production processes and prevention of production downtimes thanks to live monitoring

RANGE OF SERVICES

As one of the leading IT service providers in central Germany, we offer you a complete package including associated consulting services for:

- Process integration into existing IT infrastructures

- Connection to existing production planning and production systems

- Digitization/implementation of individual software and communication processes

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IBYKUS

Mitan®

www.ibykus.de/iot
mitan.de