ENGINEERING GMBH

Effizienzsteigerung in der Produktion

Company Presentation
BDE Engineering GmbH

MES SUITE

FOR YOUR SMART FACTORY 4.0

Digitalisation of your production processes

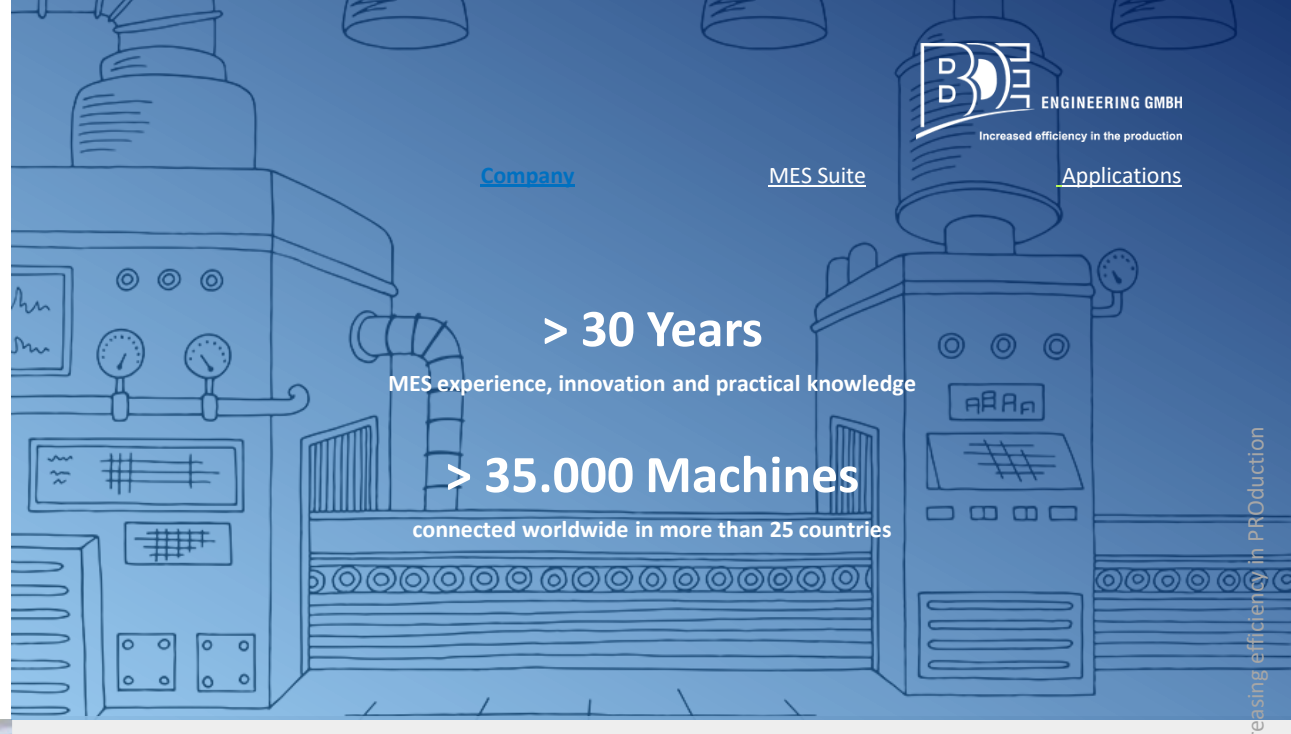
COMPANY PORTRAIT

LOCATION

Beverungen, Germany







SOFTWARE AND HARDWARE FOR THE DIGITALISATION OF YOUR PRODUCTION

For over 30 years, we have been a solution provider for manufacturing software and hardware in the context of digitalisation and Industry 4.0. Together with you, we can design manufacturing processes efficiently and sustainably. With comprehensive know-how in the area of MES:

- Machine data acquisition
- Production data acquisition
- Key performance indicators (KPI / OEE)
- Dashboard management
- Quality management
- ANDON board monitoring, mobile devices
- Label printing
- Energy data
- Graphical order planning
- Preventive maintenance

We offer you products and services for digital manufacturing. Data from your machines is delivered to the MES Suite, processed in real time, visualised, evaluated in analysis and key figures and thus made available for every system in the Smart Factory. The modular production management system **PROefficient** creates transparency in your processes, sustainably optimises your production and work processes and reduces process-related production costs.

BDE Engineering GmbH - Increasing efficiency in PROduction

DEVELOPMENT

2021

MES SYSTEM TRANSFORMED INTO MES SUITE PROEFFICIENT
Integrated, interlocking system with applications

2018

GROWTH
Extension of company building with over 2000m²

2017

ADVANCED SOLUTIONS
New development of web-based MES system **PROefficient**

2014

SALES BUILD-UP RUSSIA

2011

PURCHASE OF COMPANY SITE IN BEVERUNGEN

2003

FURTHER DEVELOPMENT
Production of own industrial hardware **PROtouch**

1997

OPENING OF THE 1ST SITE IN THE REGION OF HÖXTER

1993

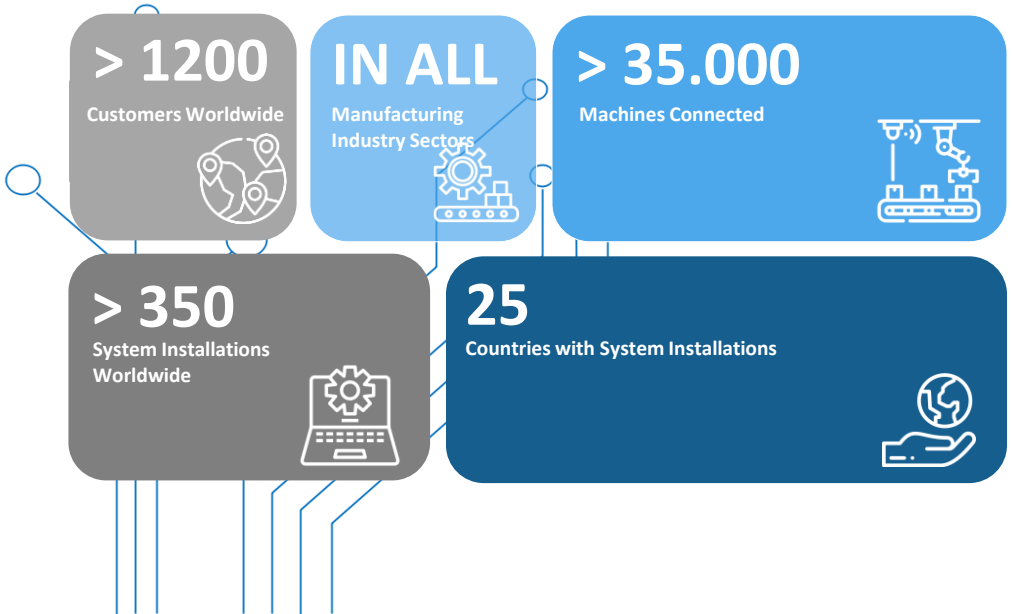
FOUNDATION
Foundation of BDE Engineering GmbH in Bad Vilbel

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ACHIEVEMENTS AND USERS

SMEs, LARGE COMPANIES AND LARGE CORPORATIONS

You can profit from our MES SUITE in your industry.
Our task is to adapt to the circumstances of our customers –
no matter whether it is a small, medium-sized or large company
or a major corporation. We work branchless, on-site or worldwide and
can connect your machines to our MES software **PROefficient**.



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USERS AROUND THE WORLD

twe

INOTECH GROUP

SVA

oventrop

marlux A CRH COMPANY

STRUYK VERWO INFRA

POLYVLIES

DÖCKWEILER connecting flow to purity

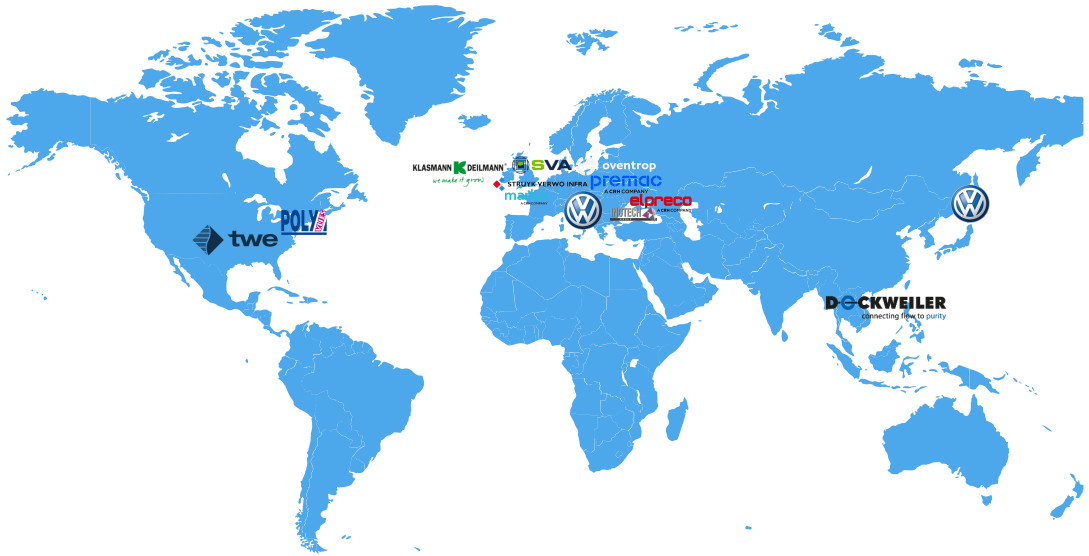
KLASMANN DEILMANN we make it grow

premac A CRH COMPANY

elpreco A CRH COMPANY

OUR INVESTMENT IS YOUR TRUST - LOCALLY AND WORLDWIDE

Let our worldwide customers inspire you. Their successes are the best proof of our many years of MES experience.



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EXPLOITING POTENTIALS

How can rejects, disruptions, set-up times, throughput times and searches be reduced?

Why have we once again not been able to achieve the TARGET?

How efficient are our processes?

When should the next maintenance of my machine take place?

Where do I get the necessary information from the production?

Do we have optimal machine utilisation and why is this machine idle?

Why are there always the same production failures?

How can we improve the productivity, OEE and the motivation of the employees?

uvm.

OUR SOLUTIONS

MES

MDC machine data collection

ADC production data acquisition

LIVE Monitoring

Energy Management / Green IT

Key figures / KPIs (e.g. OEE)

Graphical planning board

Management Dashboard

Incentive wages

Preventive maintenance / servicing

Quality management

MONITORING ANDON Board

Label printing

Automated status messages

Paperless manufacturing

Mobile applications

Batch tracing

Connection of printing systems

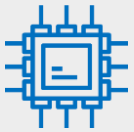
Communication with the control system

Industrial acquisition hardware

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PRODUCTS & SERVICES
MES SUITE PROefficient

PROtouch



Industrial Hardware

PROadmin



Master Data Administration

PROview



Live Monitoring

PROwork



Evaluations/Analysis/KPIs

PROvis



ANDON Board Monitoring

PROplan



Order Planning/Monitoring

PROaps



Advanced Planning System

PROpicture



Paperless Manufacturing

PROenergy



Energy Management
Green IT

PROquality



Quality Management

PROmaintenance



Preventive Maintenance and
Management

PROnotify



Automatic Report Dispatch
Status Messages

PROhelp



Intelligent Support for the
Workforce

PROmobile



Live Data and Evaluations on
Mobile Devices

PROident



Autom. Pallet Labelling and
Loading Ramp Control

PROprint



Connection of Printing
Systems and Label Printing

PROsps



Machine PLC Connection
e.g. OPC UA

PRORisk



IT Risk Management

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