



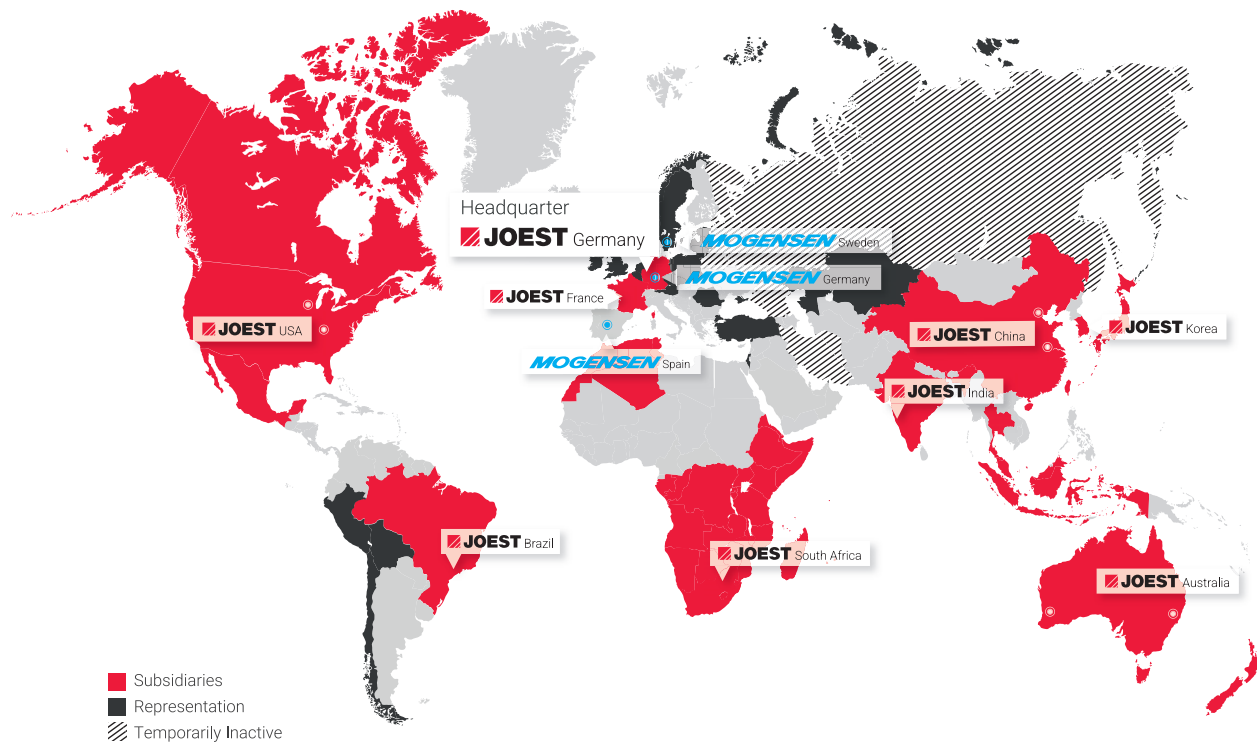
INTELLIGENT
SOLUTIONS
FOR EFFICIENT
PROCESSES



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JOEST group



Our Members:  **JOEST**  **MOGENSEN**

Our Brands:  **JVM**  **GOESSLING**

WE DRIVE AUTOMATION.

JOEST Automation Technology stands for innovative, customized solutions for the optimization of industrial processes. From concept and planning through to implementation, we develop intelligent automation systems that increase productivity, ensure quality and use resources efficiently.

Our range of services includes the integration of state-of-the-art control and drive technology, precise control systems, process visualization as well as the networking of complex systems in line with Industry

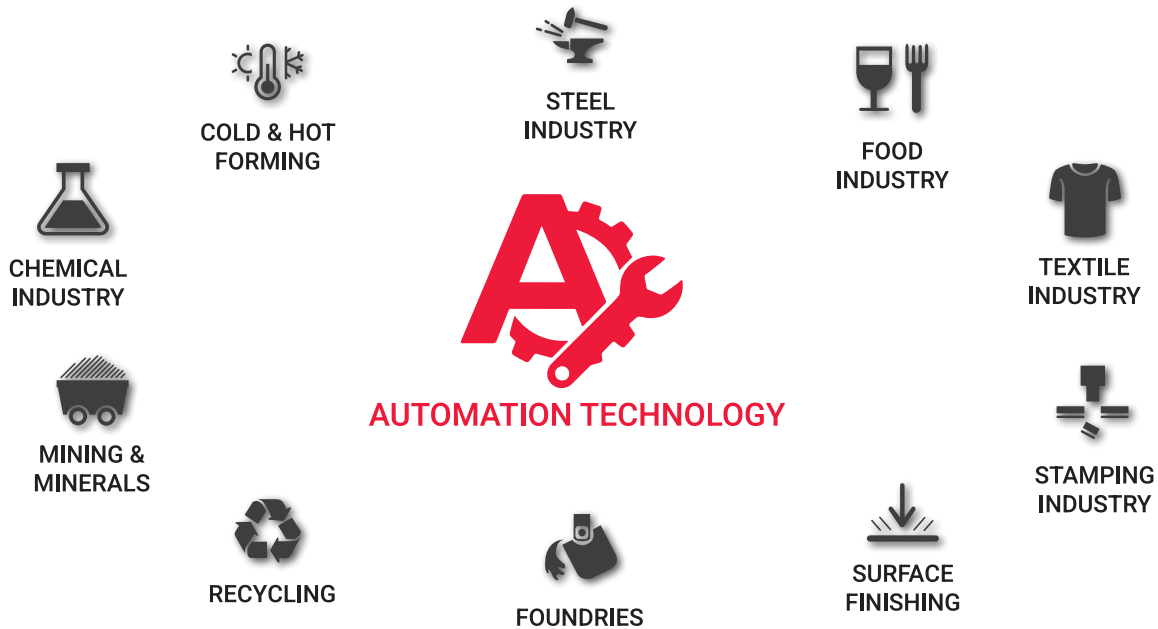
4.0. In doing so, we combine mechanical expertise with digital intelligence to create integrated, future-proof systems.

Whether vibration machines, conveying technology or complete plants with seamless integration of third-party systems – JOEST implements automation solutions that are precisely tailored to customer requirements. With modular concepts, a high degree of flexibility and comprehensive services, we support our partners over the long term and sustainably.

“With us, customers get everything from a single source – from sales and manufacturing to commissioning.”

Alexander Moormann & Dr. Marcus Wirtz, Managing Partner JOEST group

AUTOMATION TECHNOLOGY CONNECTS



SEAMLESS INTEGRATION

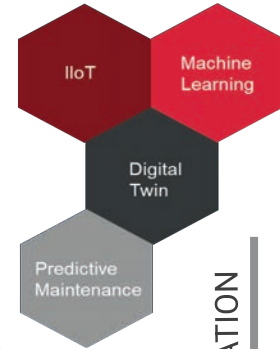
Enterprise Level



Control Level



Field Level



VERTICAL INTEGRATION



SPECTRUM

Our Spectrum includes complete electrical engineering, including the preparation of circuit diagrams.

We design and select suitable components. We program different PLC systems, implement visualization and control system solutions, and develop our own IoT applications for process data acquisition and analysis.

In addition, we integrate customer-side systems via standardized interfaces, connect third-party machines regardless of manufacturer, and implement retrofit projects including the replacement of legacy control systems. As part of these modernization projects, we consistently implement our current safety standards in accordance with applicable standards and directives.

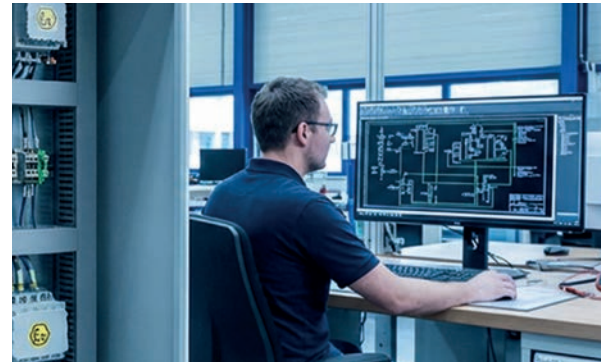


ELECTRICAL DESIGN

Our **electrical design** forms the basis for high-performance, standards-compliant automation solutions. We select and dimension suitable components, taking into account technical requirements, environmental conditions and economic considerations.

Sensors and actuators are selected specifically for the respective application – including hazardous areas in accordance with ATEX (2014/34/EU) and IECEx.

We implement international projects in accordance with applicable standards and regulations such as IEC, EN, UL, CSA, etc.



- ✓ Selection and dimensioning of electrical components
- ✓ Design of sensors and actuators
- ✓ Compliance with international standards and regulations

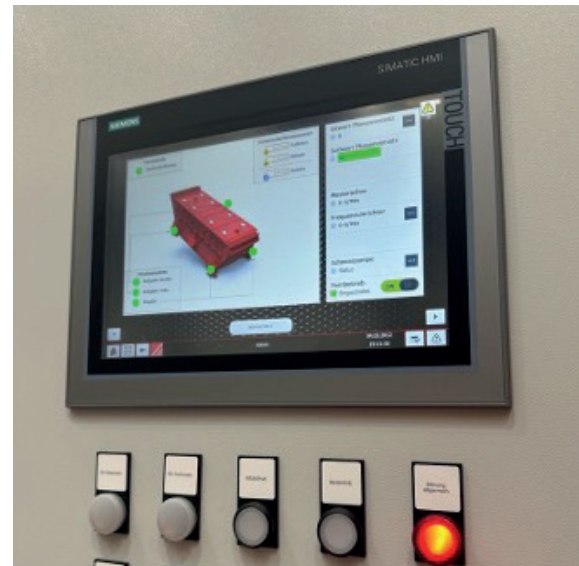
SOFTWARE DEVELOPMENT

We develop high-performance **automation solutions** based on state-of-the-art PLC systems such as Siemens SIMATIC (TIA Portal, S7-1500) and Allen-Bradley ControlLogix / CompactLogix (Studio 5000).

We seamlessly integrate control and drive concepts into the control architecture and complement them with modern HMI solutions for transparent operation and diagnostics.

- ✓ PLC programming for Siemens and Allen-Bradley
- ✓ Integration of control and drive concepts
- ✓ Customized HMI solutions for operation and diagnostics

CUSTOMIZED HMI SOLUTIONS



COMMISSIONING

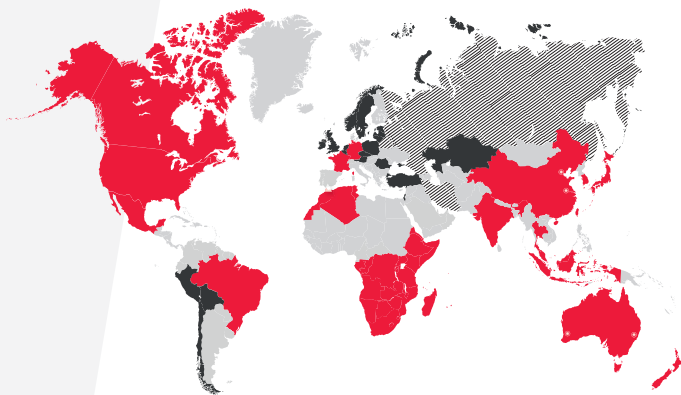
Our engineers support projects from **Factory Acceptance Testing (FAT) through to cold and hot commissioning at the customer's site**. In the process, we carry out all required electrical tests and validate the implemented safety technology in accordance with applicable standards.

IN-HOUSE FUNCTIONAL TESTING



In addition, we plan customer training and production support to ensure a safe, stable and efficient system start-up.

WORLDWIDE REMOTE SERVICE



FLEXIBILITY

JOEST automation solutions enable flexible integration into existing plant and IT infrastructures. Open communication standards such as OPC UA, PRO-FINET and Ethernet/IP provide the basis for reliable networking and seamless data exchange between machines and higher-level systems.

In addition, integration with customer-side interfaces such as SCADA, MES and ERP systems is possible. This allows process and operating data to be integrated into existing information and control systems.

User and recipe management functions support structured operation and management of plants and processes.



FUTURE-PROOF SOLUTIONS

Our JOEST Digital Solutions provide the intelligent framework for a fully connected overall system. Machines, data and functions interact seamlessly.

Thanks to modular analysis and optimization functions, the platform can be flexibly adapted to any system landscape.

A large, stylized globe in the center of the page, composed of a network of white lines and dots, giving it a digital or data-driven appearance. It is set against a dark blue background with a pattern of small, colorful stars and galaxies.

DIGITAL SOLUTIONS
DIGITAL SOLUTIONS

LEARN MORE

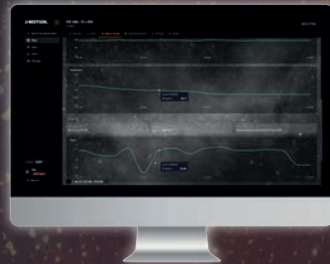


DIGITAL MODULES AT A GLANCE:

J-MOTION.

Vibration Intelligence

Specialized module for acquiring 3-axis vibration data for condition monitoring, performance analysis and safety analysis.



J-WATCH.

Monitoring System

Browser-based OEE dashboard for real-time analysis of process data (amplitude, frequency, temperature) and anomaly detection.

**THE DIGITAL TWIN:**

Design data forms the reference state; the data model is expanded to enable early detection of changes in condition.

EQUIPMENT

JOEST's modern drive technology stands for efficient conveying processes and easy commissioning. All components are optimally matched to JOEST drive systems and can be seamlessly integrated into common fieldbus systems. The systems are suitable for the control, regulation and monitoring of a wide range of vibrating machines and conveying applications.



JThyroA for control of MS magnetic drives



TK-5 for control of JD magnetic drives



JB brake unit for unbalance drives



JTD for control of JM magnetic drives

DRIVE TECHNOLOGY



NEU: JTD-Z for control of JM magnetic drives

PLUG & PLAY

JOEST Plug & Play solutions enable fast integration into existing plants and ensure reliable operation of industrial processes. Standardized control cabinet

and sensor systems can be flexibly adapted to different applications.



Standard control system
for MUCKI lifting and
tipping device



System solution for weighing
and dosing applications



J-SEN 4.0
Vibration monitoring

„Worldwide commissioning and training with our own staff who are experienced in the JOEST product range.“

SYSTEM SOLUTION

- Holistic view of processes and logistics
- Reduction of interfaces for customers
- Cross-functional cooperation between various equipment

STANDARDIZATION

- Established equipment designs for various applications
- Predefined and established PLC operation
- Matrix of widths and heights for multiple used machines

PRODUCT PORTFOLIO

LIFTING & TIPPING

- Lifting-Tipping Devices
- Lifting Devices
- Tipping Devices
- System Solutions

SCREENING & SORTING

- Air Cone Separators
- Zig Zag Air Separators
- Separation Tables
- AirVibe Vibration Air Separators
- J-Flow Air Separators

DOSING

- Small Screens
- Dosing Feeders
- Dosing Stations

CHARGING & FEEDING

- Feeders
- Charging Feeders
- Spiral Elevators

DRYING, COOLING / HEATING & TEMPERING

- Dosing Feeders
- Feeders / Resonance Conveyors
- Spiral Elevators
- Fluidized Beds
- Casting Coolers

SEPARATING, COMPACTING & BREAKING

- Shakeouts
- Non-Discharging Shakeouts
- Compaction Tables
- Sand Attrition Units
- Pre-Reclaiming Sand Attrition Units
- Spiral Crushers
- Ball Mills

GOESSLING CONVEYING & PROCESS TECHNOLOGY

- Hinged Belt Conveyors
- Magnetic Slide Conveyors
- Hinged Steel Plate Conveyors
- Wire Mesh Belt Conveyors
- Plastic Hinged Belt Conveyors
- Immersion Bath Conveyors
- Wash Centrifuges
- De-Oiling Centrifuges

SCREENING

- Circular Motion Screens
- Linear Motion Screens
- Flip Flow Screens OSCILLA Family
- Dewatering Screens
- Coarse Separators
- Magnetic Drive Screens
- Small Screens
- Cascade Screens



A member of the
JOEST group

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