

CSB-Automation and Intralogistics Solutions

# Safe and successful towards more automation

- More process efficiency and transparency through tailored automation solutions
- Integration of your intralogistics processes with EBS technology into the ERP system
- Lower risks thanks to the realization of automation projects from a single source

## More automation for greater efficiency, transparency and safety.

Manufacturing companies must design efficient and productive process flows, document results accurately, ensure deadlines for completion and control planning risks.

Premise:

- Cost reductions
- Optimal utilization of available resources
- Maximum transparency in all areas.

Automation is the answer, because automation can improve:

- Speed
- Efficiency
- Control and
- Transparency

of processes and thus optimize production processes.

## CSB covers the entire automation of production and intralogistics in the process industry.

CSB-System is your specialized partner with profound know-how and many years of experience in the process industry, when it comes to

- Planning and implementation of integrated automation and intralogistics solutions
- Integration of hardware and software
- Realization of complex automation projects

Our comprehensive portfolio ensures highly efficient solutions from a single source. From intelligent material flow control to flexible, fully automatic order picking and control of high-bay warehouses and batching systems: our tried and tested solutions for consistent system integration and unlimited mobility ensure seamless data acquisition directly at the point of origin.

### CSB guarantees best practices for every application.



#### Procurement

Goods acceptance  
Assessment  
and classification  
Traceability and quality  
assurance



#### Production

Batch processing  
and supply raw materials  
Optimization  
Product identification  
Traceability and quality  
assurance



#### Inventory

Coverage planning  
Cross-area inventory  
management  
Traceability and quality  
assurance



#### Sales

Case calculation  
Picking  
Dispatch and vehicle fleet  
management  
Traceability and quality  
assurance

With the material flow system (MFS), you control and visualize all forms of conveyor technology and other components of your intralogistics system.

## Data processing in a single software system increases productivity.

The software is at the heart of it all. It ensures maximum productivity of the machines in use and automatic access to all data of your facilities. In a clearly arranged control station, you always have an overview of the actual status of your machines and production plants. The information and control

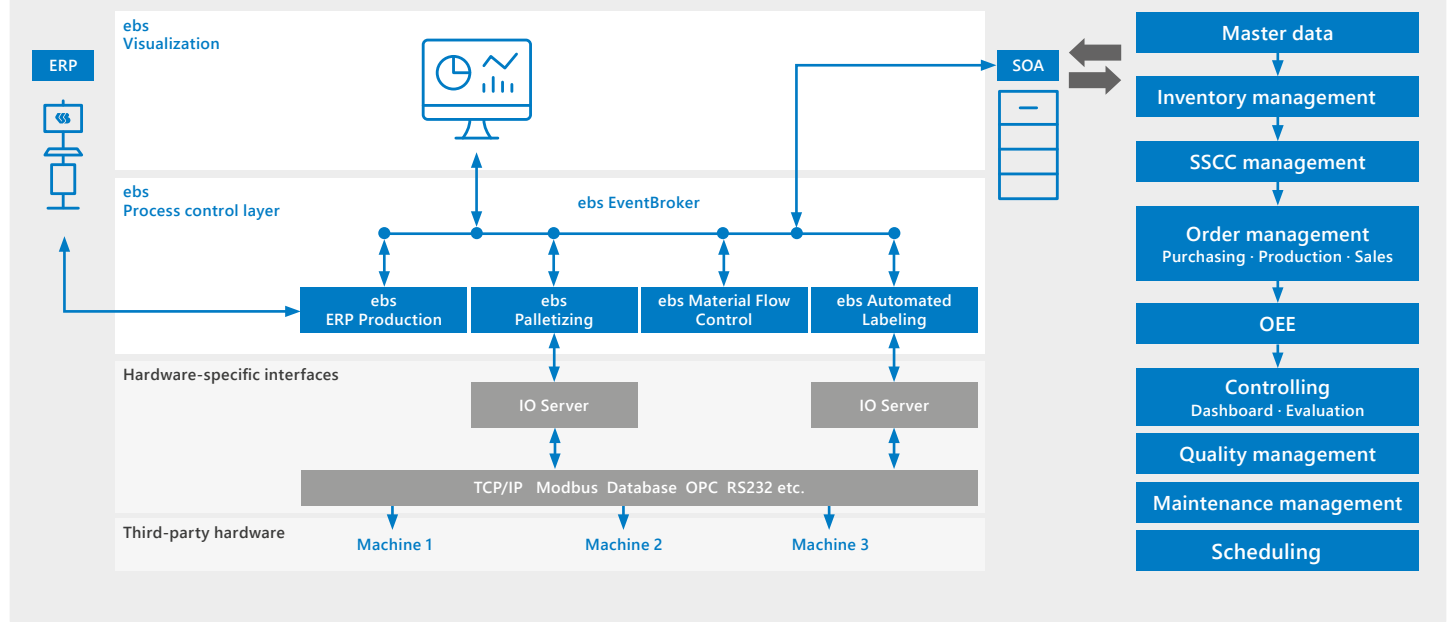
technology, which is precisely tailored to your needs, ensures transparent and resource-optimized processes. Combined with state-of-the-art automation technology, this results in efficiency advantages that create the decisive competitive edge for your company.

## The service-oriented EBS platform ensures maximum flexibility.

EBS (Event Based Service) offers a service-oriented platform for the standardized implementation of automation projects in the CSB-System. The intralogistics processes are implemented by many small standard services instead of programming them individually using a project-specific monolithic system. Every service is standardized and its functionality

is documented in detail, tested thoroughly and proven in practice. The EBS platform thus works independently of the manufacturer for all hardware suppliers. EBS is developed with cutting-edge tools and is subject to restrictive application life cycle management.

### Overview of the EBS technology. A case study.



## Benefit from our automation consulting right from the concept development stage.

In addition to our software expertise, we can support you in developing suitable solution concepts on request. The consultants at CSB-Automation combine many years of project experience with the latest findings from automation. The integration into a qualified partner network ensures a high level of innovation.

Together with you, our automation consultants define your individual requirements, analyze your business processes and develop a customized solution concept for optimizing and

controlling your business processes. Based on defined target processes and field-tested automation solutions, they create a high-performance overall system. Wherever possible, we rely on proven standard solutions.

Our consulting services are the foundation for the efficient design, intelligent integration and cross-area optimization of your business processes. This effectively avoids redundancies and irregularities in your operational organization.

## Turnkey intralogistics solutions from a single source.

Automation projects are often complex and can become risky if many partners are involved. Thanks to our project management, automation and software competence, we are able to lead such projects safely to success. CSB can therefore also act as a general contractor for you. In this case, we success-

fully complete major projects together with your suppliers and specialized partners. Your benefit: The responsibility for the project success lies with a central contact and contract partner. And you choose a competent system integrator with extensive project management experience.

# Benefit from the advantages of CSB-Automation and Intralogistics Solutions and reduce your costs automatically.



## Inventory costs down 30 %

The highly efficient integration of material and information flows ensures one hundred percent coverage of material requirements while keeping the capital commitment as low as possible. As a result, inventory costs can be cut by 30 percent.



## Delivery performance > 99 %

The more all components are linked in a network, the more efficient and cost-effective can goods be supplied to the customers - with a permanent delivery performance of over 99 percent.



## 18 % time savings in picking

Modern picking systems offer many advantages, especially with a high picking density. Current examples show time savings of approx. 18 percent while the error rate is very low.



## Greater flexibility in the value creation process

CSB's intralogistics solutions optimally support the ever more flexible production systems for manufacturing even small batches.

## Safe and successful towards more automation

CSB is your competent system integrator with extensive project management experience in automation:

- ✓ Automation consulting: Development of an individual automation concept with standard modules
- ✓ Automation software: Introduction of a central service-oriented software platform
- ✓ General contractor: Turnkey realization of automation projects

## Leading companies in the process industry already rely on CSB's automation and intralogistics solutions



We will be glad to demonstrate CSB's automation and intralogistics solutions in operation directly at a customer facility to illustrate the concrete potentials specifically for your business.

## Programmed for Your Success

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