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# Simply “smart”!

## Wehrhahn production plants

INTELLIGENCE INCLUDED.

INTEGRATED AS STANDARD.

AVAILABLE IMMEDIATELY.

**Today, Wehrhahn plants produce more efficiently than ever before.**

The key to higher efficiency is advanced automation technology: During the production process, comprehensive data is collected, evaluated by algorithms and used to control all process and plant parameters: The new plant generation uses “smart” technology!

**The convincing possibilities of remote service and training through our Remote-Service tool and the Wehrhahn Cloud-Service complement the “smart” production.**

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**Our standard:**  
**All Wehrhahn production plants**  
**include “smart” control modules.**

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For optimal, economic production of high-quality building materials:

- Simple operation** → the maximum of safety and comfort
- Self-optimisation** → an entirely reliable production process
- Smooth process** → for the highest plant efficiency



The all-in-system is based on three “smart” modules:

**1**

**Collection of information**

#### **Sensors for process data measurement**

A variety of sensors continuously identify process data, plant status and quality parameters. Installed energy meters ensure an energy-efficient production. If necessary, they signal a need for maintenance.

**2**

**Preparation and evaluation of information**

#### **MCS storing and management of process data**

All ends (collected data) meet in the Master Control Server MCS. Here, the entire process information from the control module is collected and provided to the plant control.

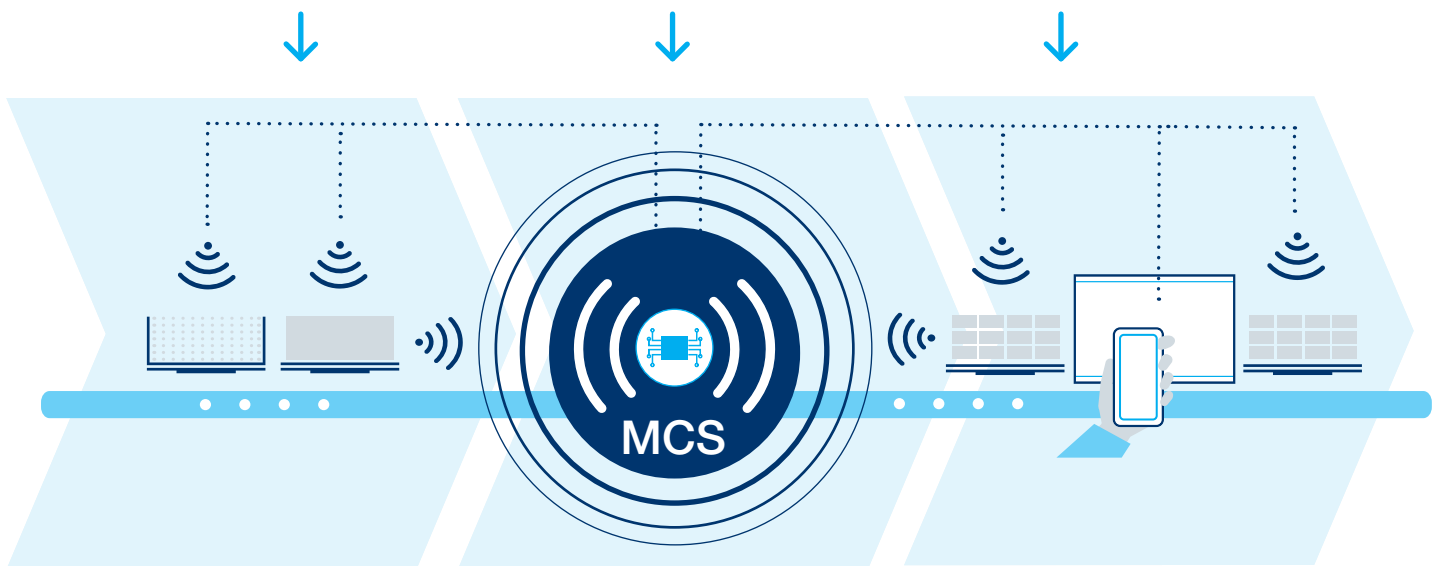
Identification systems on selected machines and components enable a smooth process tracking and the merge of all data.

**3**

**Optimisation of processes and machines**

#### **Algorithms and actuators**

Automation systems from Wehrhahn are event-oriented, in contrary to conventionally pre-programmed functional step chains. The function sequence is flexible and responds intelligently to product specific requirements and production-related events. A variety of functions can be performed simultaneously, in a time-optimised way.



### **User friendly and simple maintenance**

Comprehensively arranged dashboards are adapted to the needs of the respective user. They inform for example about executed or current service orders, the status of the plant or the efficiency of the production process. The database offers a configurable interface and can be used for data exchange with the customers' individual ERP systems. QR-codes on the machines enable targeted access to the MCS data base via the Wehrhahn App.

**Of course, all these intelligent control systems and modules can be retrofitted to running plants.**