



Welcome to Wehrhahn

IIBCC 2022 - Hamburg

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About us

Wehrhahn – the leading supplier for machines and technology.
High-performance production plants for the building material industry.

More than 250 plants supplied globally!



History

1892

Establishment by
Heinrich Wehrhahn
in Delmenhorst



1936

First production line
for **fibre cement**
sheets



1970

Wehrhahn produces
the first **AAC block**
plant



Material preparation

A high-angle photograph of a complex industrial material preparation plant. The scene is filled with a dense network of white pipes, yellow and green railings, and large industrial machinery. Several large, light-colored cylindrical tanks or hoppers are visible, connected by a complex system of pipes and valves. The floor is a dark, industrial-grade surface. The overall atmosphere is one of a busy, large-scale manufacturing or processing environment.

Raw materials to be processed

- Fibres
- Sand
- Microsilica



Dosing and mixing

Self-adjusting and accurate

- Automatic calibration
- WECOMIX recipe calculation
- Dosing optimisation



THE sheeting machine

Heart of the plant

Newly designed features

- Innovative slurry overflow
- Smart thickness control



Waterjet cutting

Customised cutting systems

- Utmost flexible sheet length variation
- Automatic height adjustment of the multi-head cutting track
- Automatic out-of-the-way movement of the cutting heads



Electromechanical stacking robots

Dynamic and energy-efficient

- Rack and pinion drive
- “Banana” mode for minimum cycle times
- Energy recovery for vertical and longitudinal movements



Sheet compressing

Single sheet and stack presses

Quality boost for

- Corrugated roofing sheets
- HD and MD flat sheets



Automatic trolley transport

Efficient, safe and reliable

- Transfer cars
- Trolley changing devices
- Loading machines



WEHRHAHN

Autoclaving

Wehrhahn Autoclave Control (WACO)

- Hardware: Sensors, valves and piping
- Software: WACO
- Energy saving and recovery system



Electric control systems

For smart fibre cement plants

- In-house designed electric control systems
- PLC- and visualisation programming
- Manufacture of electric control cabinets



How we optimise our plants

Method 1

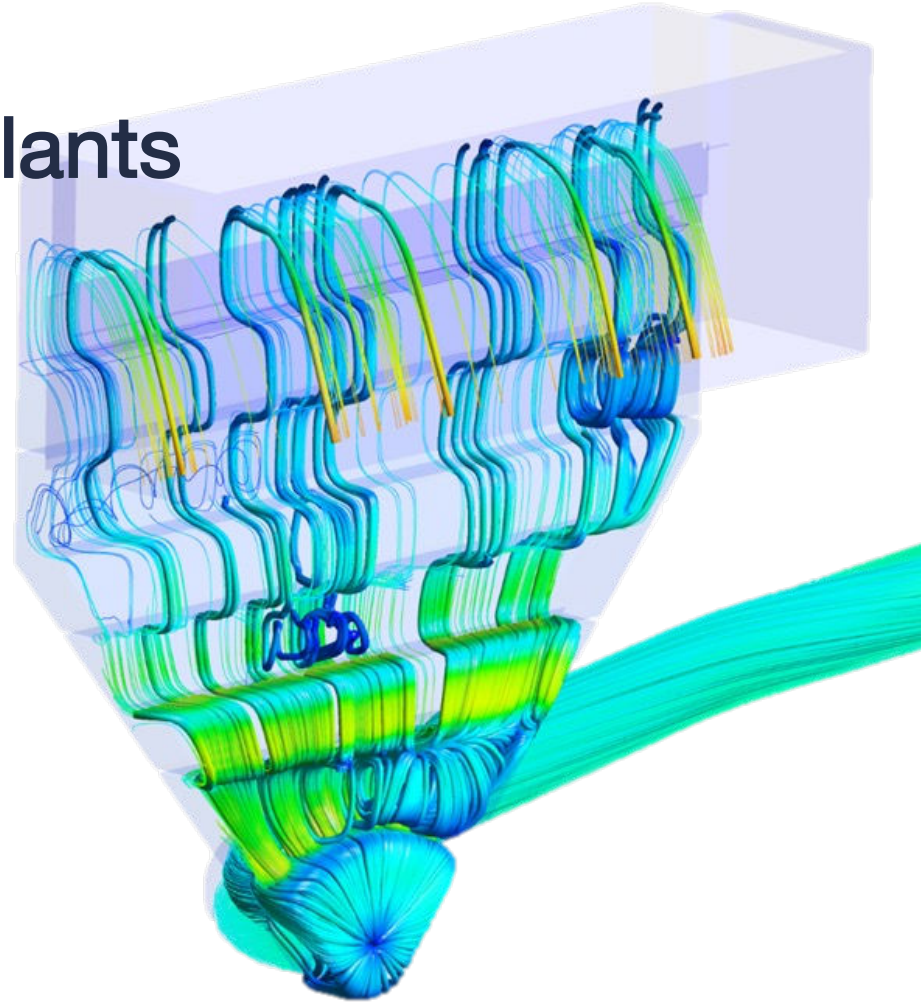
Enhancing
expertise through
practical experience



How we optimise our plants

Method 2

Improvement
through modelling
and simulation



Wehrhahn optimisation tools

Calculation methods

- **Finite-element method**
for mechanical component optimisation
- **Flow simulations**
for vat- and piping design
- **Mass flow accounting**
for sizing and layout of pipework, pumps, batchers and tanks
- **Event-oriented simulation method**
for optimisation of cycle time, capacity and system layout



Service and support

Available 24/7

- Technical Service on-site
- Remote Technical Service (RTS)
- Process and plant operation support



Fit for the future

Our new building with a large technical centre



Why just talking about the best plant in the world?



build it!