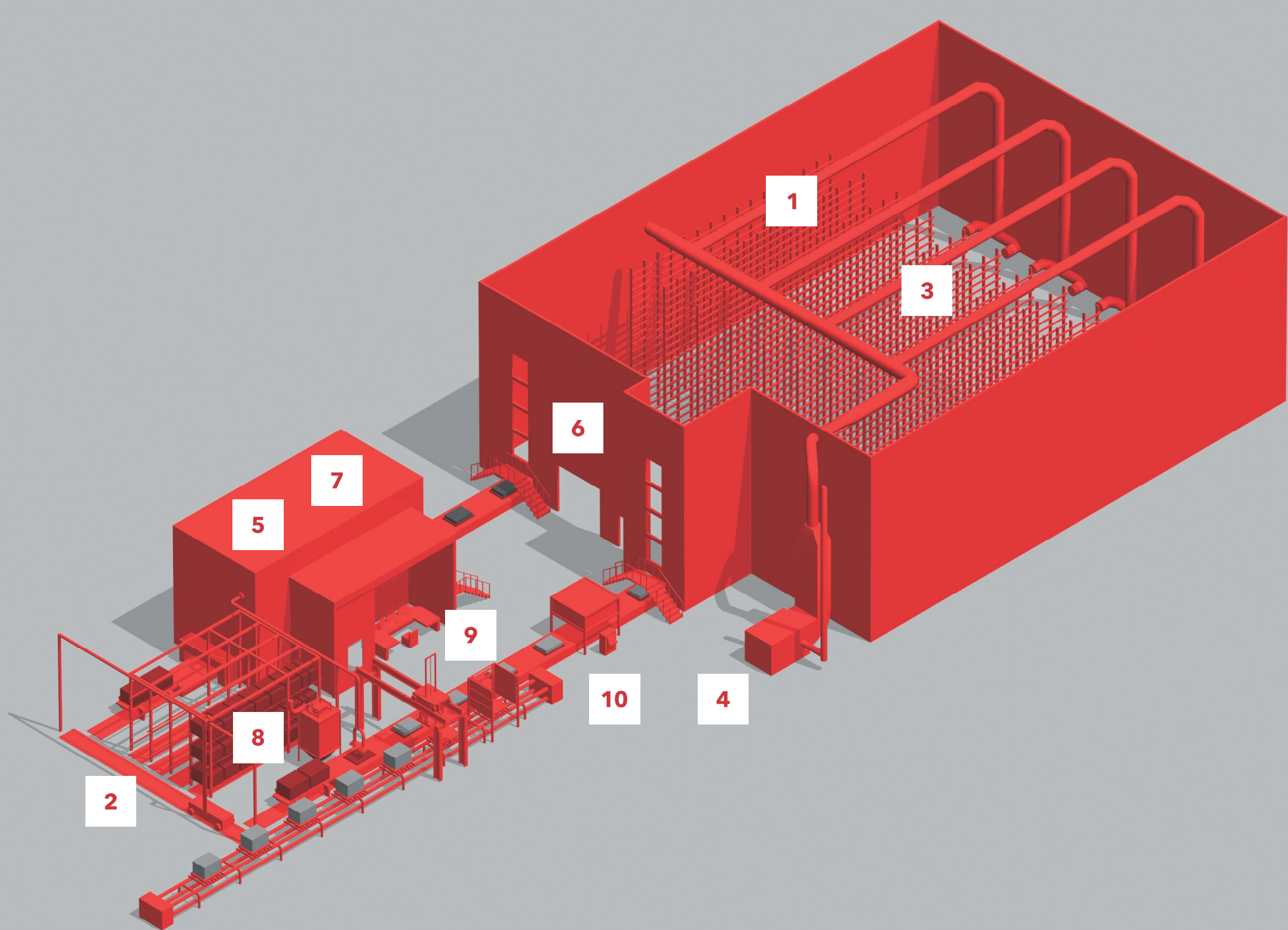


FOR BEST CONDITIONS.
SINCE 1900.



**The leading
intelligent system
for the concrete
industry.**



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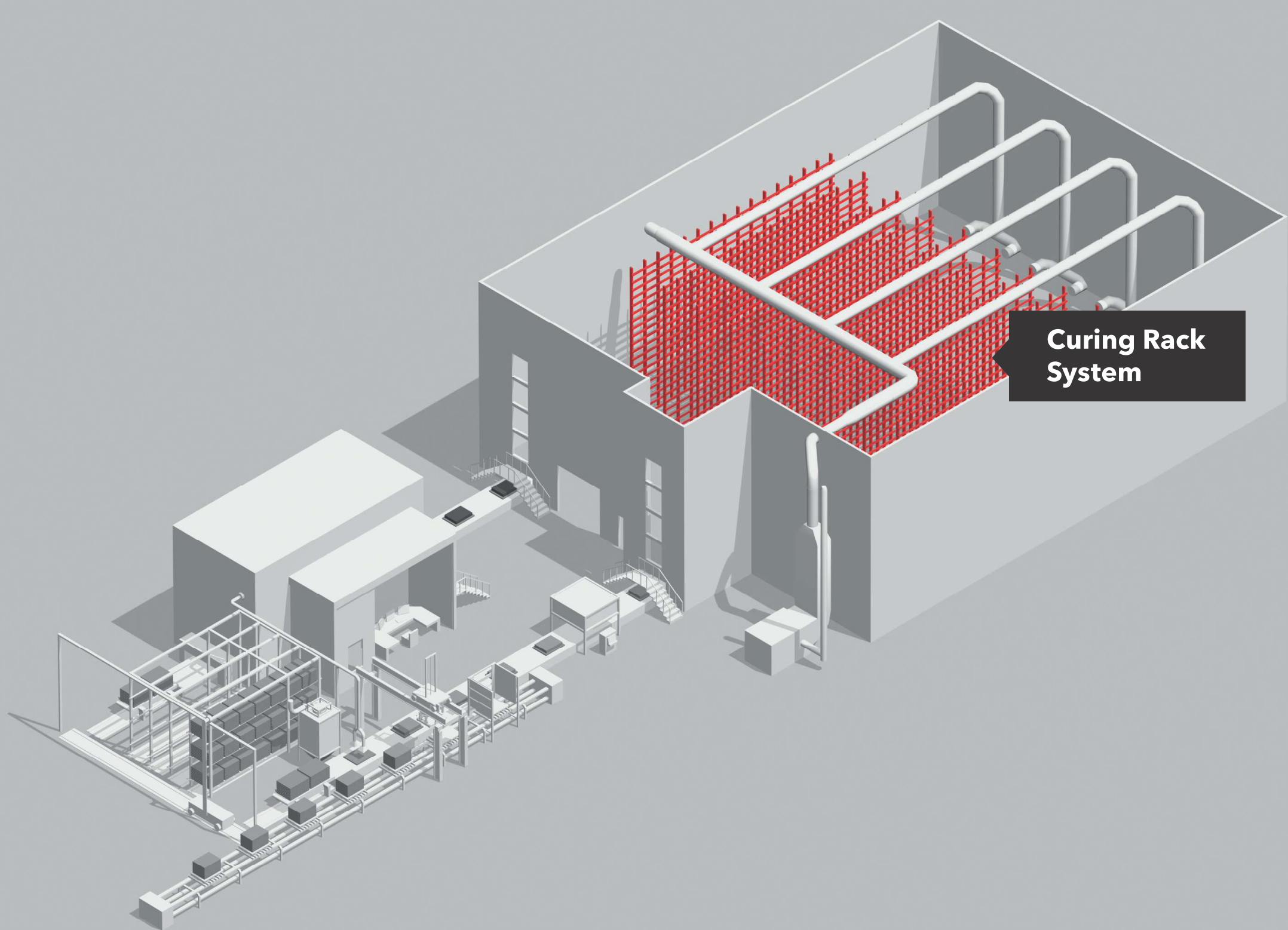
The ROTHO System

- 01 Curing Rack System
- 02 Pallet Buffer & Mould Storage
- 03 Air Circulation
- 04 Concrete Curing System: ProCure
- 05 Sound Protection
- 06 Separation Wall
- 07 Control & Switchboard Room
- 08 Dust Extraction
- 09 ROTHO Control
- 10 ROTHO QUCON

Best conditions for the best quality concrete blocks.

For more than 70 years, ROTHO provided solutions for the concrete block industry worldwide. We understand our clients' high pressure demands caused by the competition from a dynamic market and are aware of the constant technological development in order to further increase the effectiveness of plants.

We recognize the importance of a secure production environment. We are constantly enhancing the development of our ROTHO systems in order to increase production levels and prevent downtimes. Together we create perfect conditions for the best quality concrete blocks.



Curing Rack System

Racks → Curing → Rooms → Storage → Control & Analyze

Rack System

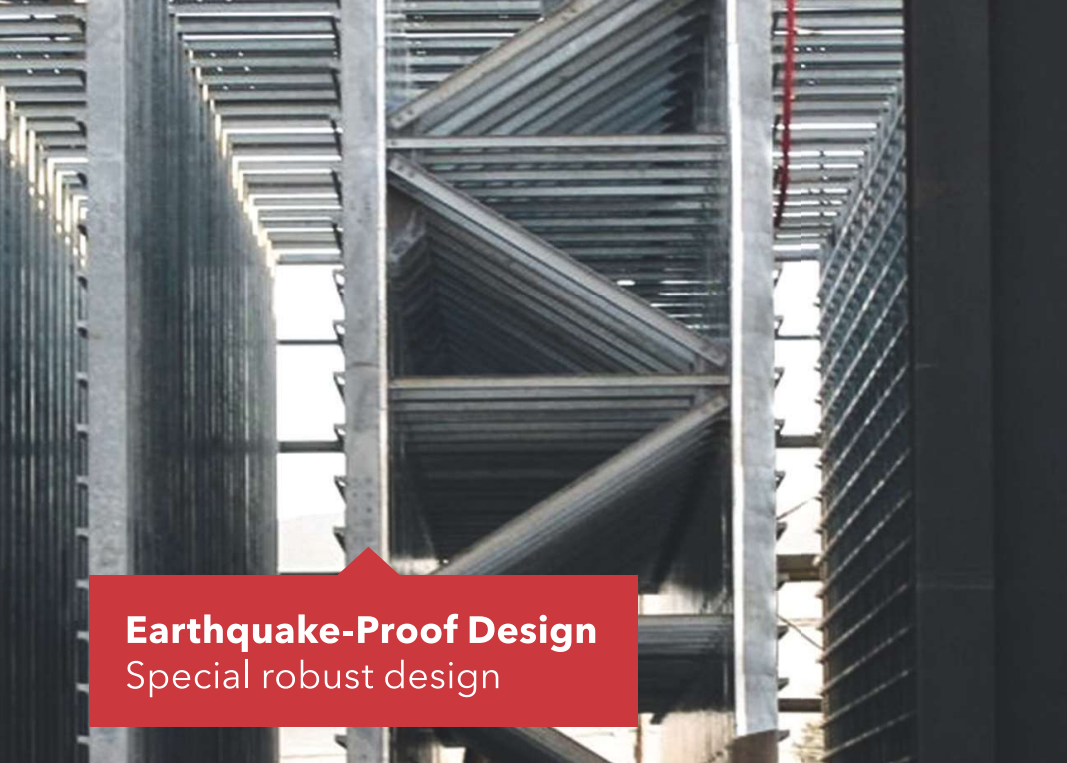
**Indoor Version + Outdoor Version
+ Earthquake-Proof Design**

The most intelligent system for storing concrete products throughout the curing process.

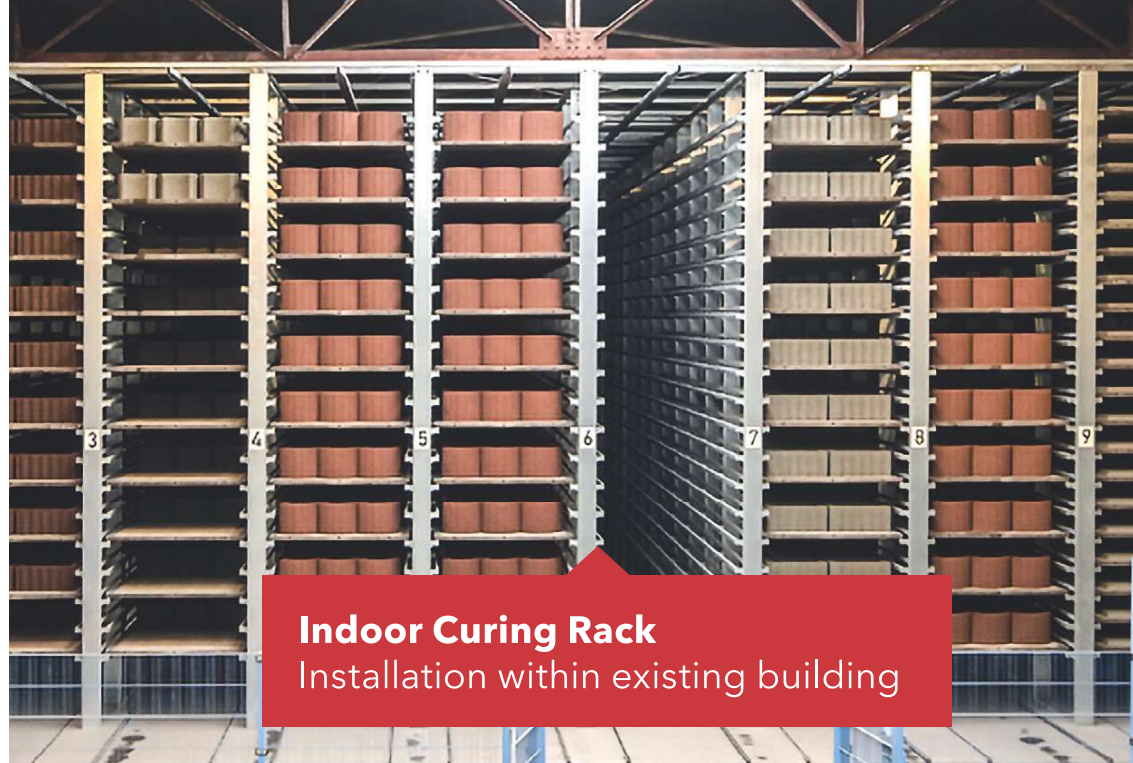
Racks → Curing → Rooms → Storage → Control & Analyze

ROTHO Curing Racks:

- Quality-Rack-Design “Made in Germany” with a high durability
- Proven rack construction with experience from more than 2000 installations worldwide
- Prepared for sensor- and measuring technology
- From standard construction kits to individual solutions all from one source
- Prepared for air circulation and concrete curing system ProCure



Earthquake-Proof Design
Special robust design



Indoor Curing Rack
Installation within existing building



Clip-In Technology
Fast, safe, and easy assembly

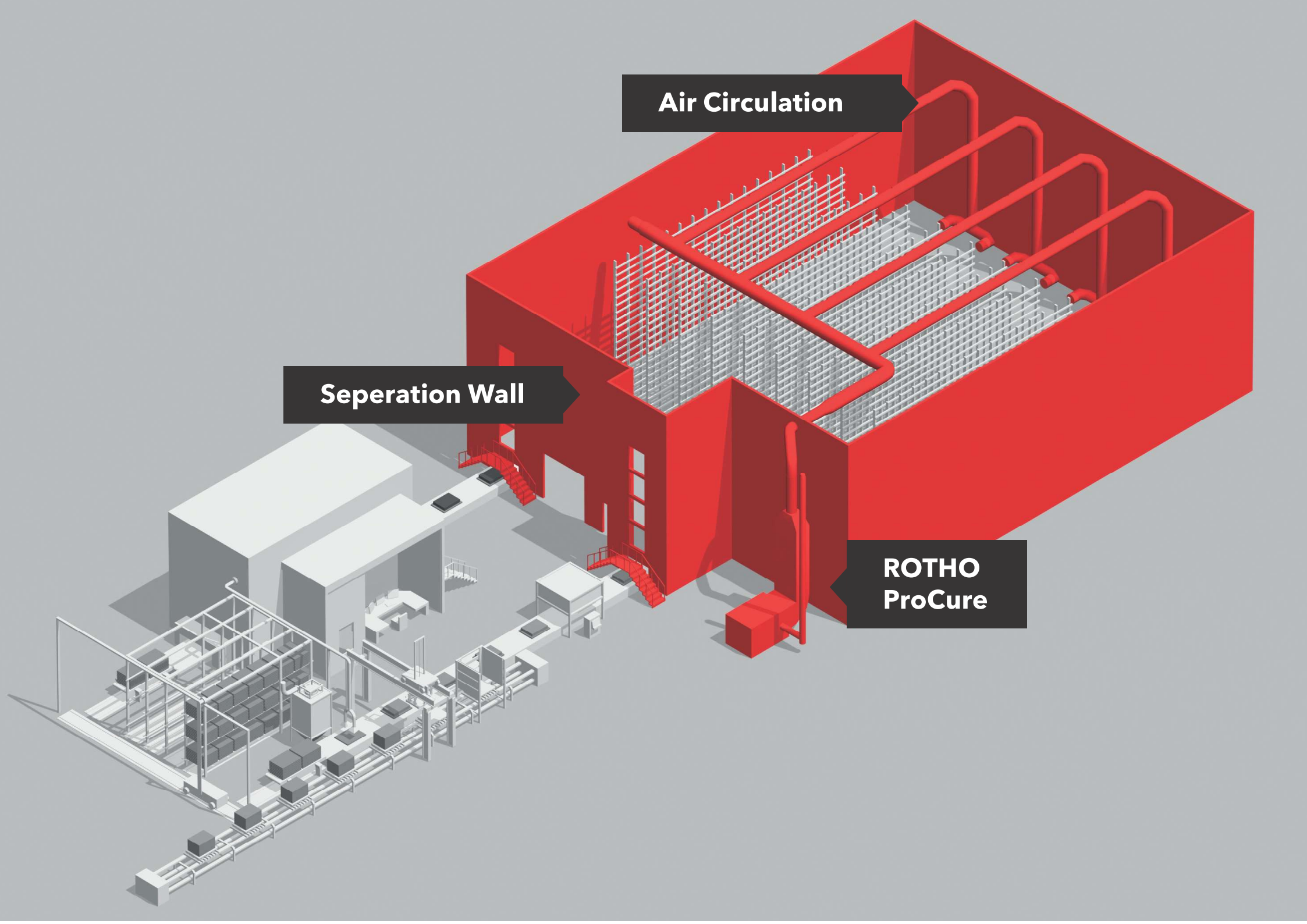


Outdoor Curing Rack
With integrated outer cladding

Air Circulation

Seperation Wall

**ROTHO
ProCure**



Racks → **Curing** → Rooms → Storage → Control & Analyze

Concrete Curing System

Air Circulation + Concrete Curing System ProCure

For all-season consistently high quality results and reduced curing times optional with active heating and humidification.

Air Circulation:

- Highest circulation capacity for uniform temperature - and humidity distribution
- Long service life due to high quality design
- Reduction of condensation

Concrete Curing System ProCure:

- More consistent colour results
- Less efflorescence
- Reduced edge breakage
- Cement cost savings
- Maintenance-friendly and energy efficient

Separation Wall:

- Individual planning and customization
- Design in different RAL-colours
- Comprehensive equipment program (Doors, windows, etc.)



Concrete Curing System ProCure
365 days a year - one climate



Separation Wall
Thermal separation of wet- and dry side



Air Circulation System
Uniformed curing conditions

Sound Protection

This 3D architectural rendering shows an industrial facility with several key components highlighted. A large grey building on the right contains a complex network of white pipes and ductwork. To its left is a red structure with a staircase and a walkway. In the foreground, there is a red conveyor system with a metal frame. Three callout boxes with black backgrounds and white text point to specific areas: 'Sound Protection' points to the red structure, 'Control & Switchboard Rooms' points to a section of the red structure, and 'Dust Extraction' points to the conveyor system.

Control & Switchboard Rooms

Dust Extraction

Racks → Curing → **Rooms** → Storage → Control & Analyze

Room Systems

**Sound Protection +
Control & Switchboard Rooms +
Dust Extraction**

Best working conditions for staff and plant equipment due to noise and dust reduction in the production process.

Sound Protection:

- Reduction of the noise level down to 85 dB (A)
- Comprehensive equipment program (Sliders, tunnels, windows)
- Design in different RAL-colours

Control & Switchboard Rooms:

- Noise reduction down to 75 dB (A)
- Comprehensive equipment program
- Fire protection possible (F30 / F60 / F90)

Dust Extraction:

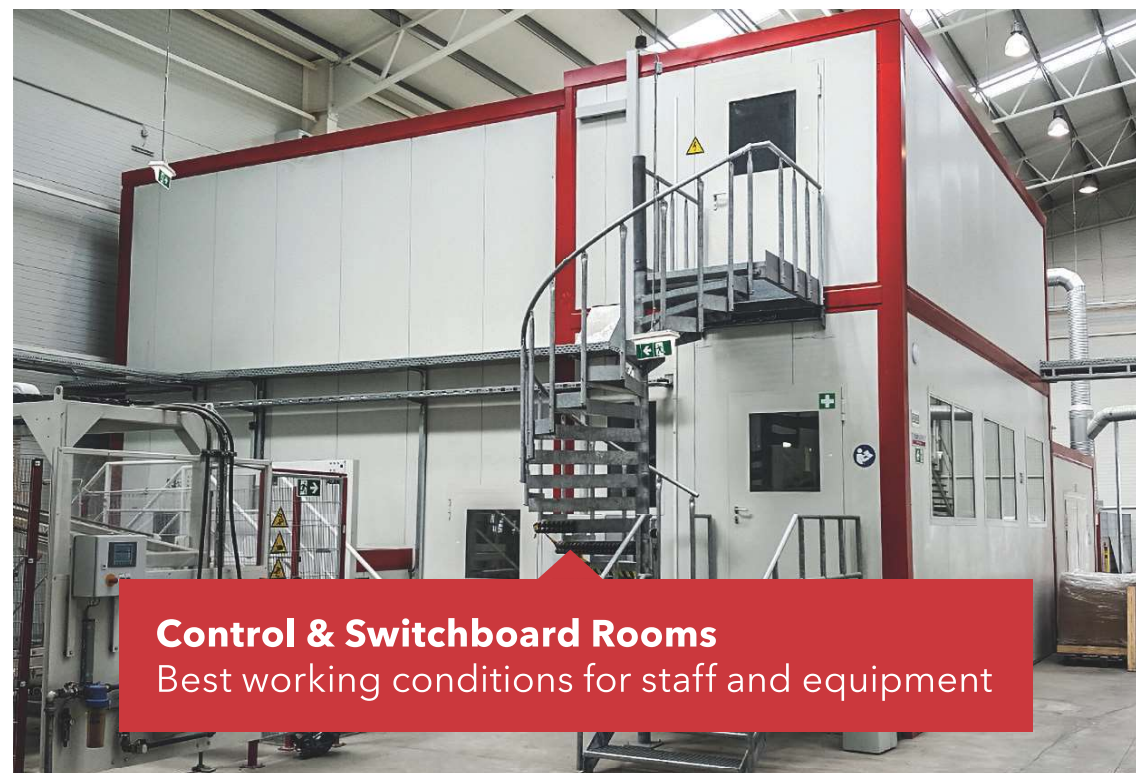
- Electronic cleaning automatic
- Robust and durable filter system
- Maintenance-friendly and energy efficient



Dust Extraction System
Reduced machine wear out

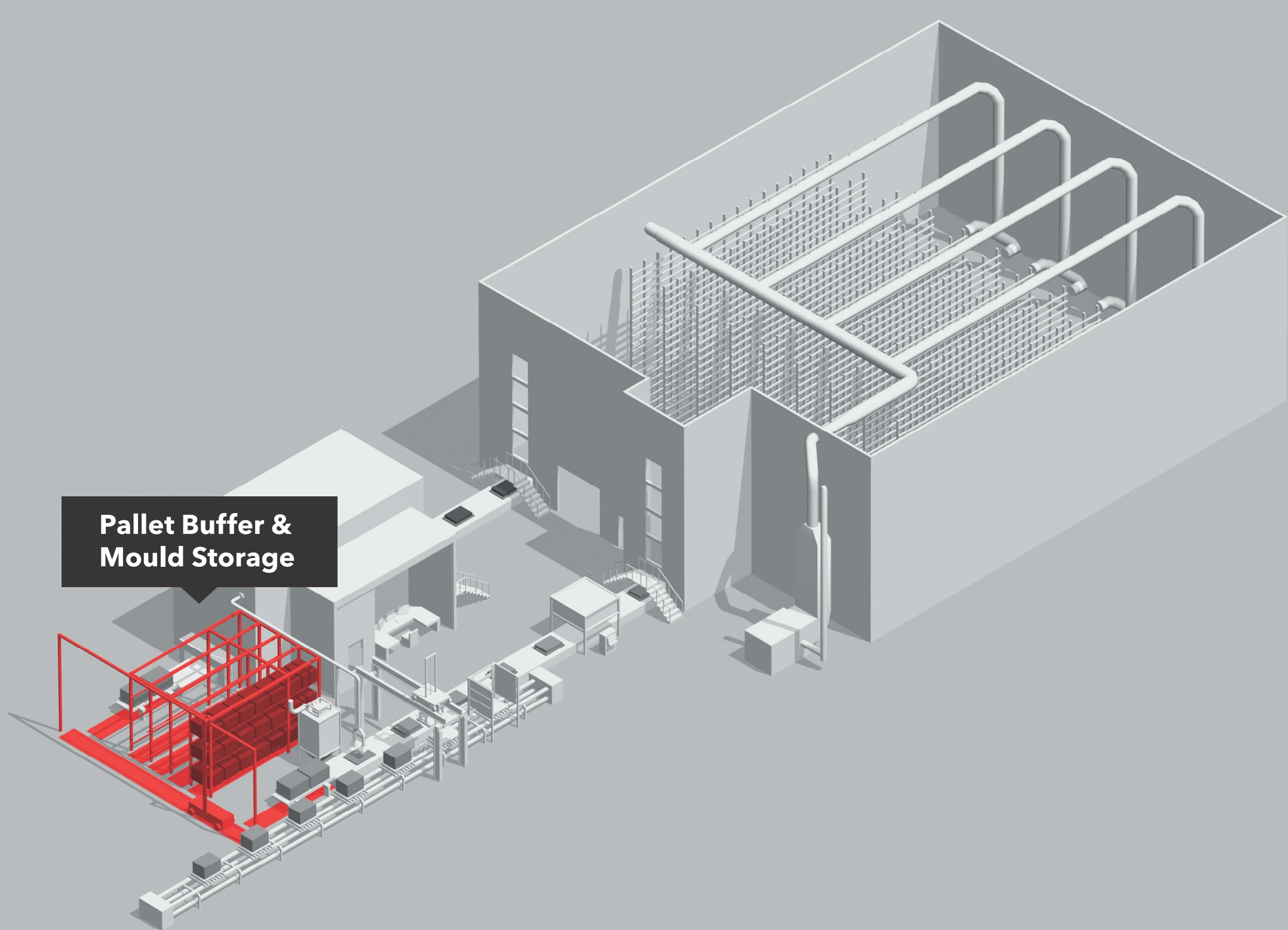


Sound Protection
For noise-optimized enclosure of machines



Control & Switchboard Rooms
Best working conditions for staff and equipment

Pallet Buffer & Mould Storage



Racks → Curing → Rooms → **Storage** → Control & Analyze

Perfectly organized.

Pallet Buffer & Mould Storage

Process-integrated and highly stable storage systems for moulds and production boards.

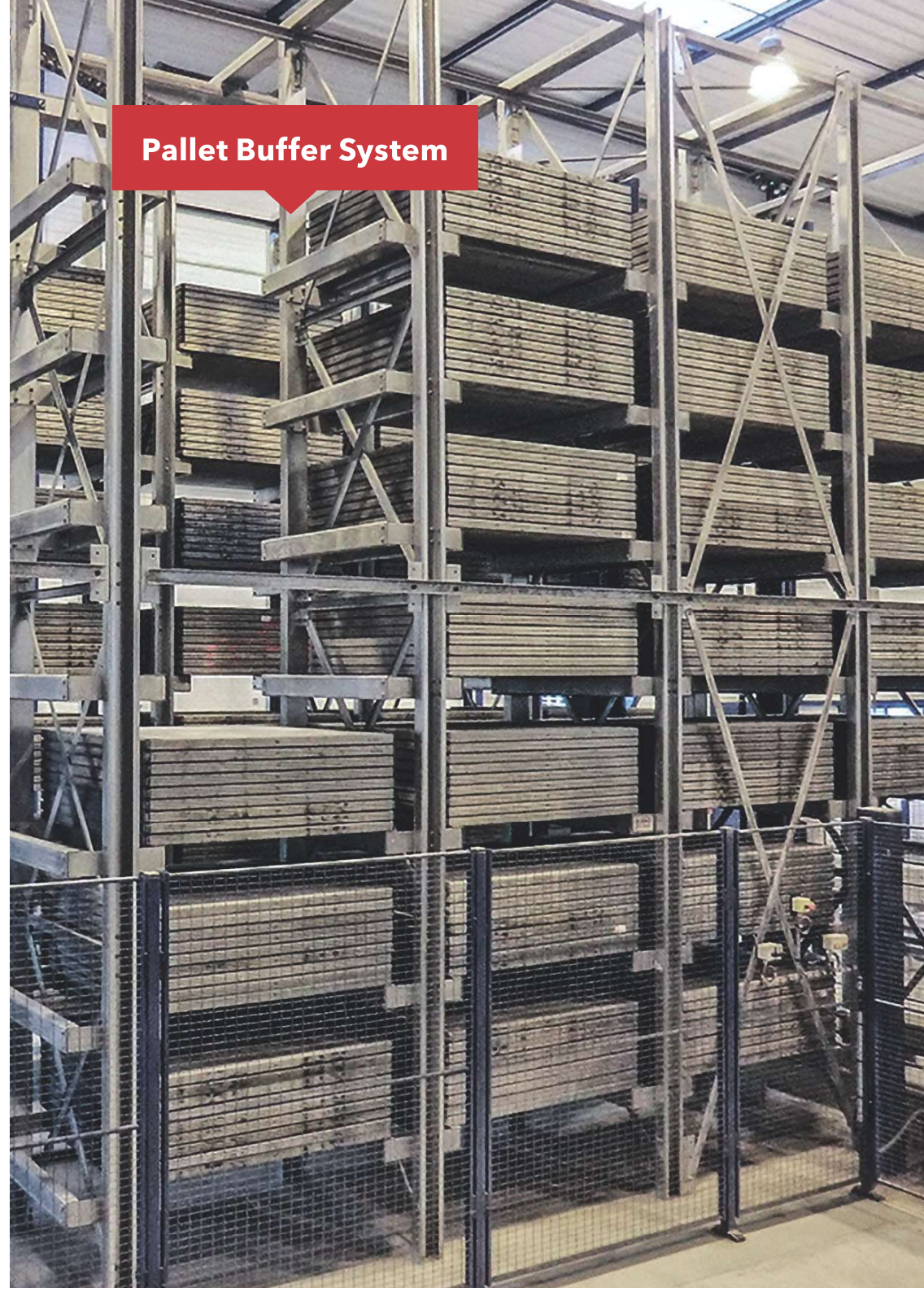
Racks → Curing → Rooms → **Storage** → Control & Analyze

Pallet Buffer & Mould Storage:

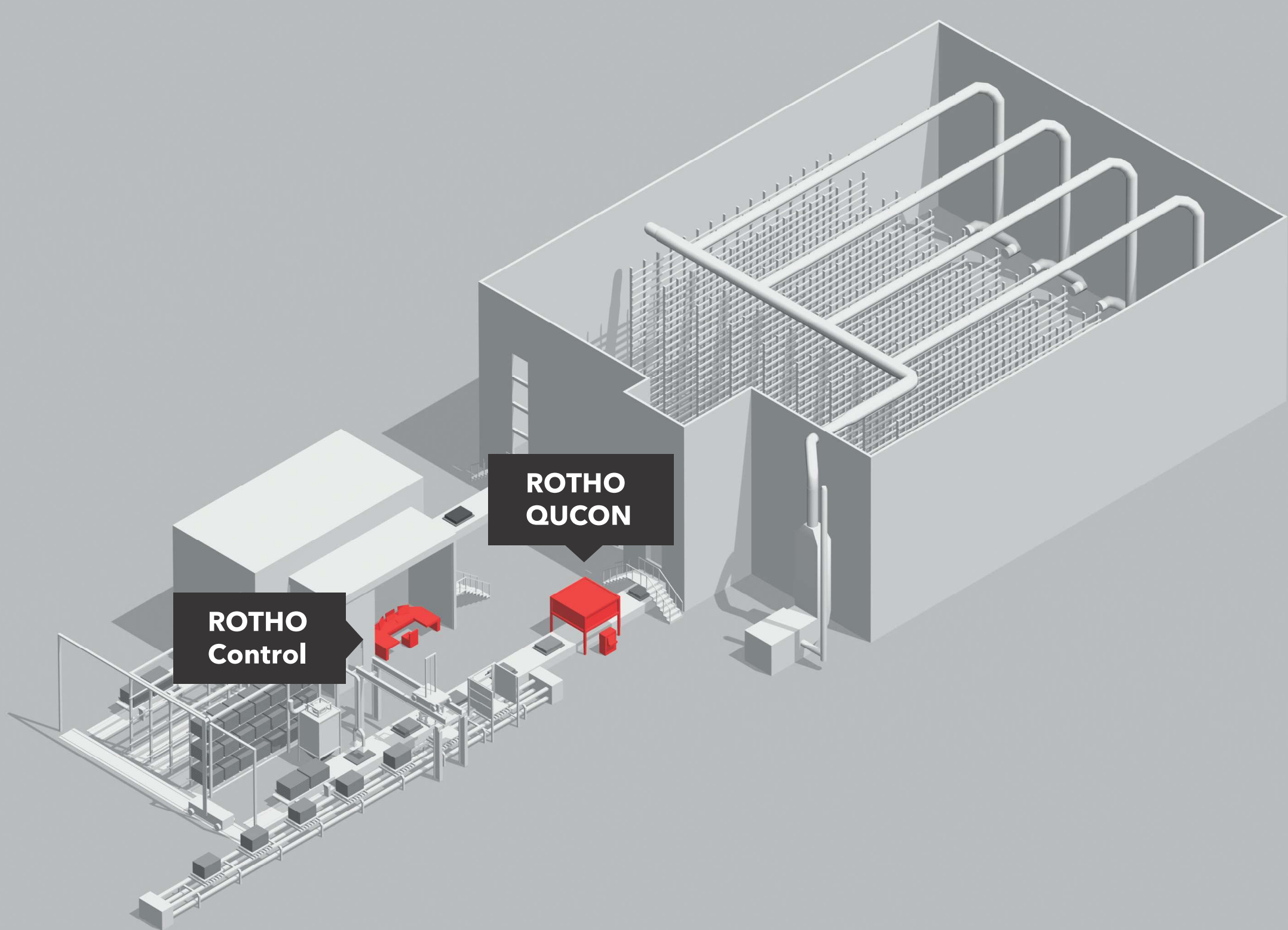
- Quality-Rack-Design “Made in Germany” with a high durability
- Individual solutions for automatic and manual operation
- Designed for loads up to 5 tons



Mould Storage



Pallet Buffer System



**ROTHO
Control**

**ROTHO
QUCON**

Racks → Curing → Rooms → Storage → **Control & Analyze**

Control & Analyze

ROTHO Control + ROTHO QUCON

ROTHO Control:

- Easiest operation of complex processes
- Available as a mobile Cloud and on-premise software solution
- Worldwide online data access and ROTHO support
- Delta T control
- Zone control for Big Chambers
- Graded access permissions

ROTHO QUCON:

- Sensor-based data basis for the optimization of concrete products
- 3D representation of humidity- and temperature fields in the curing rack
- Starter package „ROTHO Sensor Cubes“



ROTHO Assembly

Our assembly teams ensure best conditions during the project assembly and commissioning phase. Worldwide.

ROTHO Service

worldwide

Our Service is on your side to ensure best conditions in your concrete block plant.

Service Offerings:

- Telephone, email, web-conference and on-site service
- Service Contracts
- Spare Parts
- Modernization & retro-fits
- Technical trainings
- Wide range of measurement and analysis tools & services
- Optimization consulting

service@rotho.de (E-Mail Service)
(+49) 02735/788-788 (Help-Line)
(+49) 0151/14311737 (Help-Line mobile)



Global on-site installation teams



Experience

The average tenure of our employees is 25 years. This experience is used by our customers in more than 50 countries worldwide to operate their concrete block plants faster, more efficiently and in a secure environment.



Innovation

In today's fast-paced, uncertain future, one thing is certain: the amount of data generated, evaluated and used will not decline. On the contrary, the number of sensors and algorithms will continue to rise within concrete block and paver plants. Even today, ROTHO offers unique intelligent systems that optimize concrete stone production plants using digital tools.



Tradition

Neunkirchen, Siegerland - the home of ROTHO. We know our roots and have been a reliable partner for our customers for more than 100 years. ROTHO customers can be sure that spare parts and service will always be available in the future.



Personable

Together we create the best conditions. Not just for concrete blocks. Reliable and trusting business relationships are even more important in an increasingly digitized world. The ROTHO business model is designed for long-term and sustainable success in close cooperation with our customers. We supply systems and projects that inspire our customers.





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