

ENGINEERING YOUR SUCCESS
MADE IN GERMANY

AUTOMATED INTRALOGISTICS SOLUTIONS FOR THE COPPER INDUSTRY

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Vollert V

Vollert V

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IWCC Legal Disclaimer

The purpose of this presentation is to guide programs benefiting the copper industry and to provide attendees with information to make independent business decisions.

Vollert GmbH today.

Human. Creative. Committed.



**3rd Generation Family
Ownership**



**Headquarters
Weinsberg/Germany**



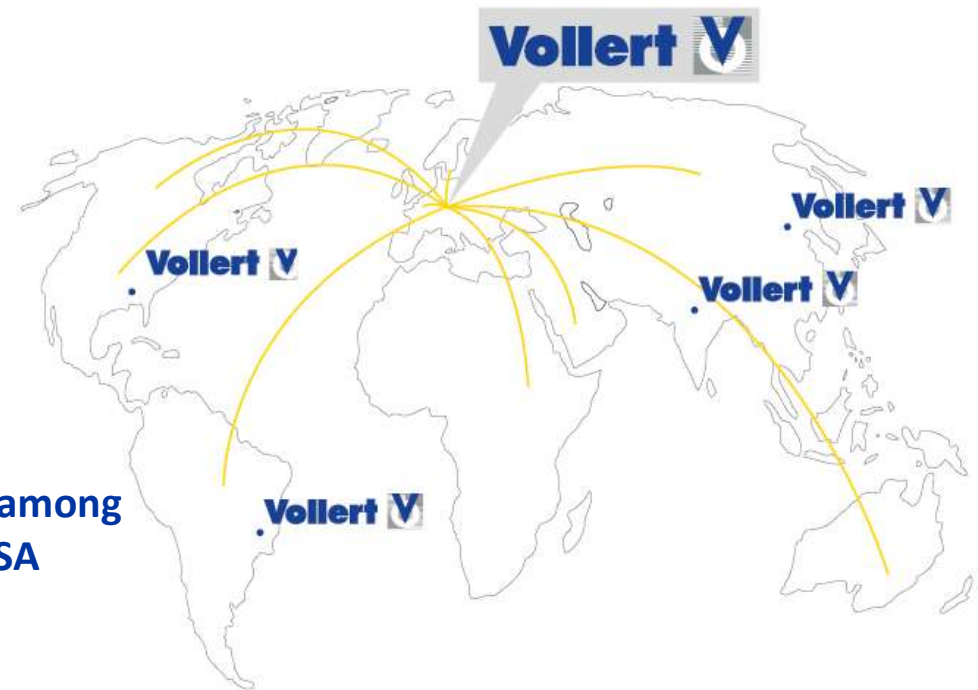
**Implemented projects
in over 100 countries**

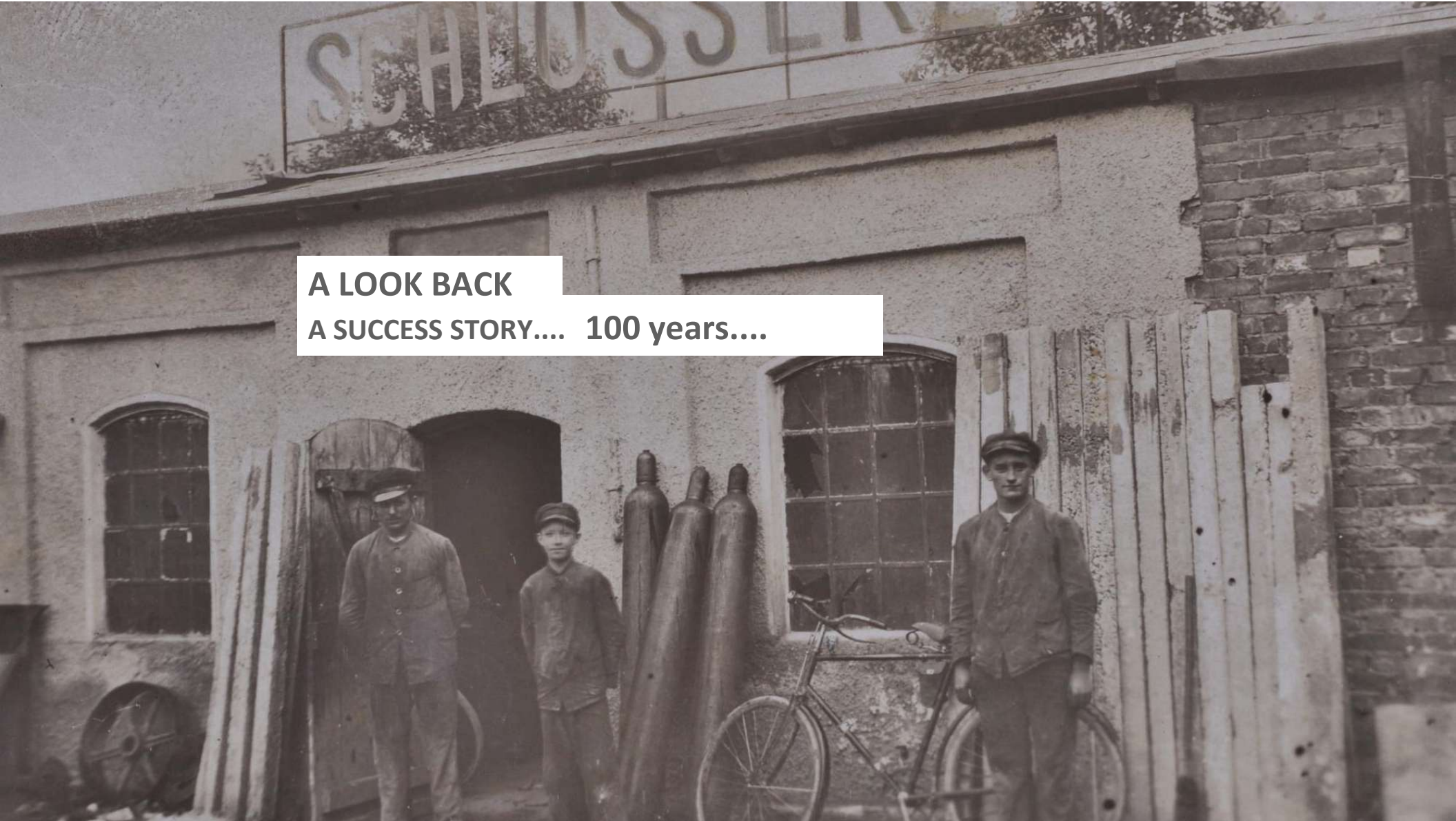


**Representative offices worldwide, among
them are China, India, Brazil and USA**



Founded in 1925





A LOOK BACK
A SUCCESS STORY.... 100 years....



VOLLERT HISTORY

1925

The company was founded in Weinsberg by Hermann Vollert - the first generation started with metalwork, bicycle repairs, construction of wells and pumps as well as cable haulage systems for vineyards.



VOLLERT HISTORY

1935

The vineyard cableways provided the first building block for entry into transport technology - the subsequent bucket and cable haulage system for materials and the know-how for the handling of ever larger loads.



VOLLERT HISTORY

1947

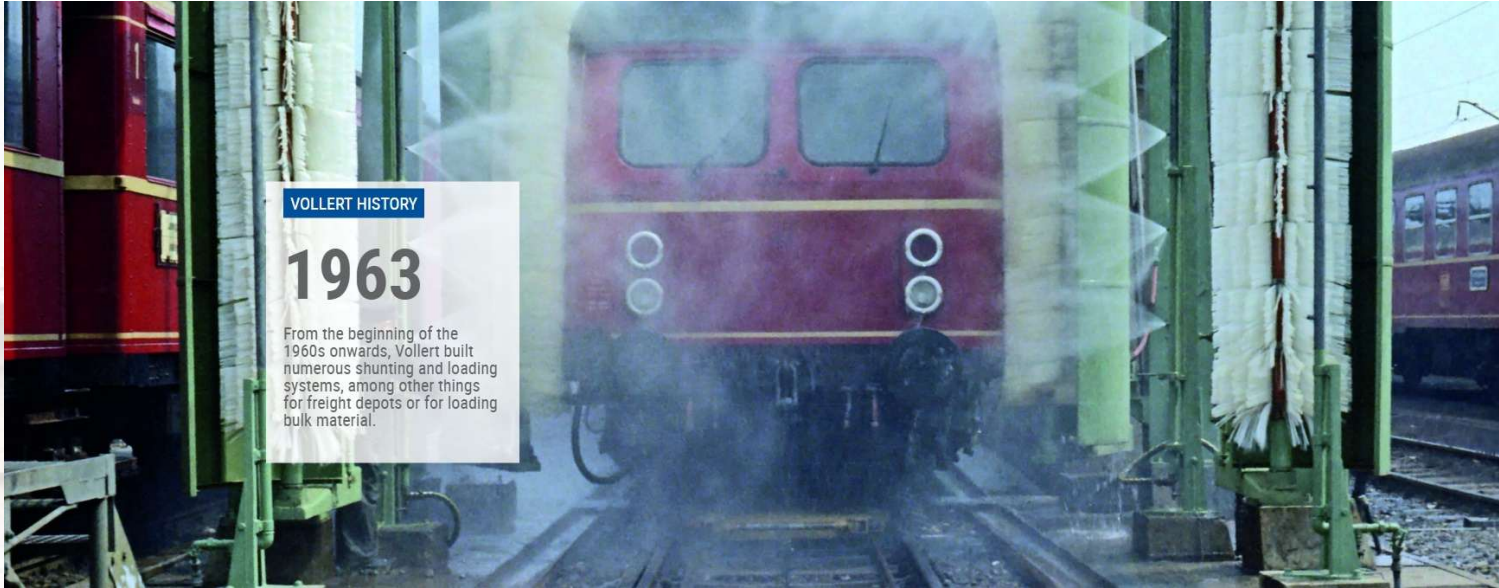
After the tragic death of Hermann Vollert in 1947, his wife Mina Vollert and her 20-year-old son Herbert continued the operation with about ten employees.



VOLLERT HISTORY

1951

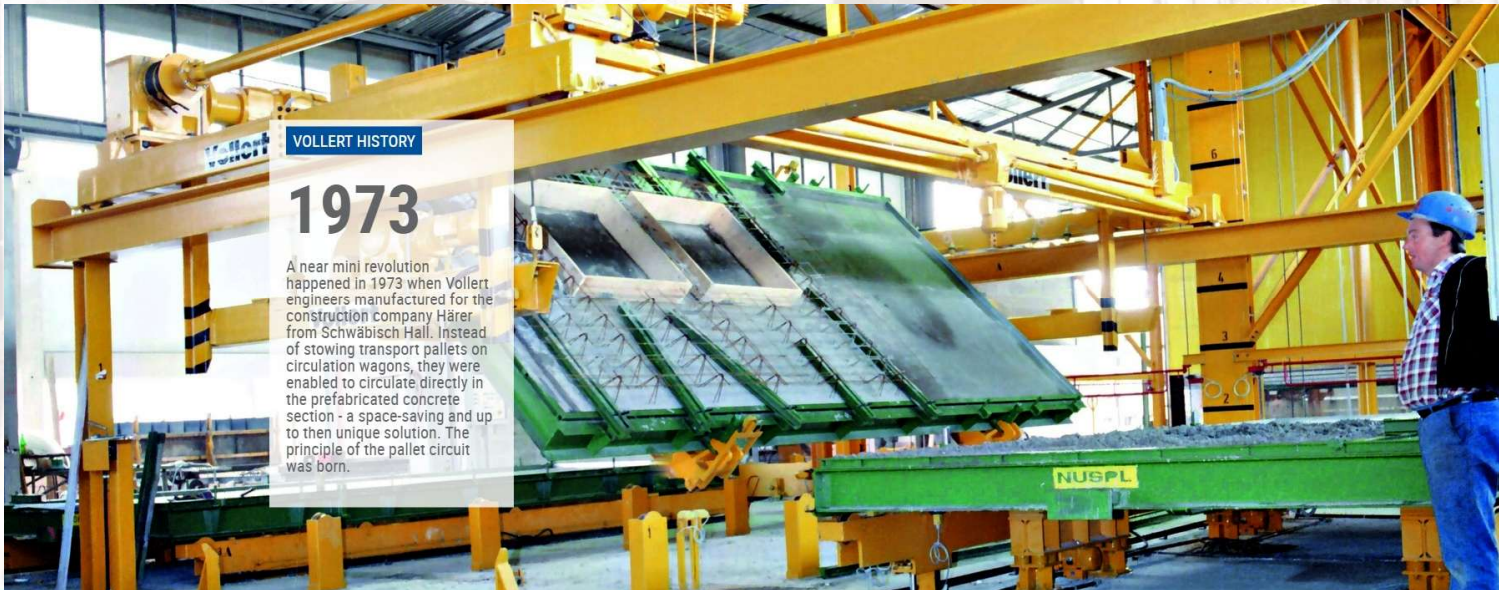
At the start of the 1950s, Vollert's engineers transferred their cableway expertise to ground-mounted rope conveyors and thereby revolutionized transport routes in the wood industry. By the middle of the next decade numerous sawmills were being supplied.



VOLLERT HISTORY

1963

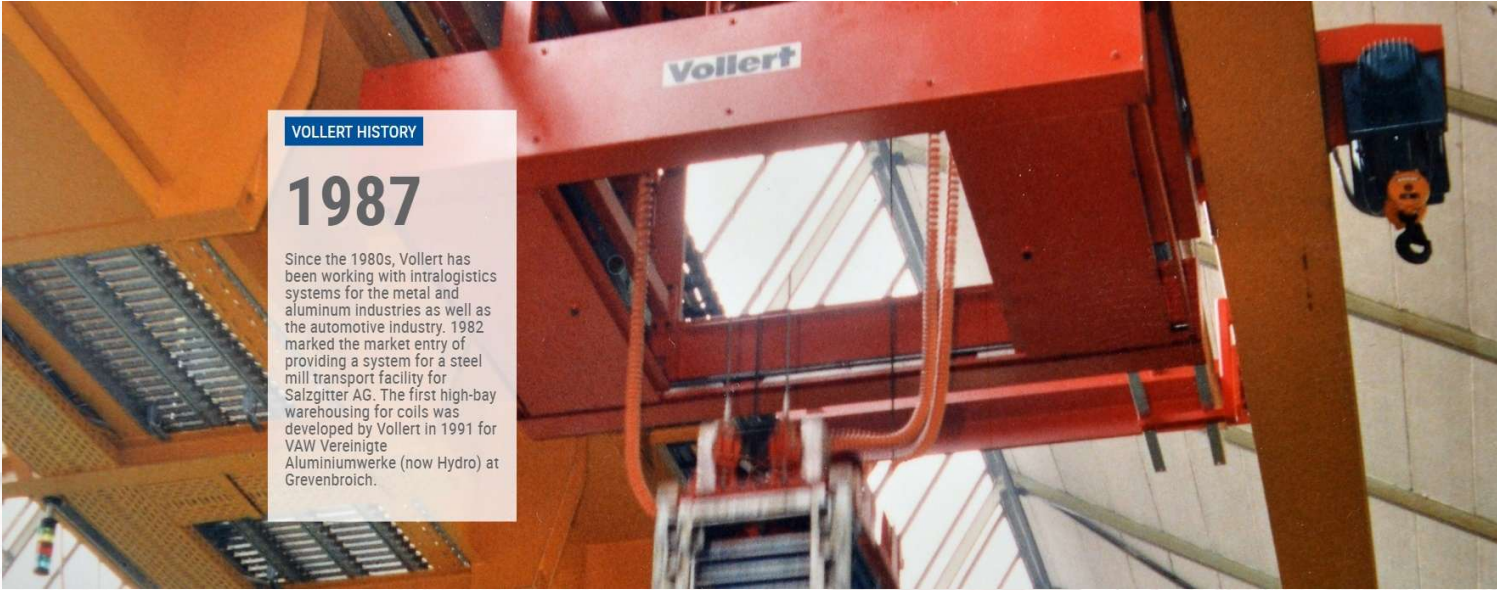
From the beginning of the 1960s onwards, Vollert built numerous shunting and loading systems, among other things for freight depots or for loading bulk material.



VOLLERT HISTORY

1973

A near mini revolution happened in 1973 when Vollert engineers manufactured for the construction company Häber from Schwäbisch Hall. Instead of stowing transport pallets on circulation wagons, they were enabled to circulate directly in the prefabricated concrete section - a space-saving and up to then unique solution. The principle of the pallet circuit was born.



VOLLERT HISTORY

1987

Since the 1980s, Vollert has been working with intralogistics systems for the metal and aluminum industries as well as the automotive industry. 1982 marked the market entry of providing a system for a steel mill transport facility for Salzgitter AG. The first high-bay warehousing for coils was developed by Vollert in 1991 for VAW Vereinigte Aluminiumwerke (now Hydro) at Grevenbroich.

VOLLERT HISTORY

1999

The third generation is on board: Hans-Jörg Vollert, the grandson of the company's founder, inherits 75% of the shares and the management of the company.





VOLLERT HISTORY

2011

As of 2011, subsidiaries in South America, Russia and Asia attend customers in these locations. In 2012, the product portfolio in the concrete sector expands with the takeover of the formwork specialist Nuspl.



VOLLERT HISTORY

2017

The investment in a new production and administration building in Sikandrabad allows Vollerl to set a strong long-term commitment for India.



VOLLERT HISTORY

2020

Affordable living space, new architecture highlights, and high earthquake-resilience – the MOTUS construction system combines multiple advantages in one. In addition to solid and sandwich walls, in particular 3-dimensional hollow-core slabs are the main feature of the new system structure. Vollert relies on a new manufacturing process in order to put all of these requirements into practice. Rather than being produced by extrusion or slipform production, the hollow-core elements are made based on the pallet circulation principle.



VOLLERT HISTORY

2023

Subsidiary Vollert USA, Inc. has been actively processing the US and Canadian markets since 2023 to set new technology standards in the North American construction sector, in intralogistics, loading and shunting concepts.

Vollert Offerings

Innovation maker. Technology leader. Since 1925.



**SOLUTIONS FOR
INTRALOGISTICS PROCESSES**



**SOLUTIONS FOR
PRECAST CONCRETE PRODUCTION**



**SOLUTIONS FOR
SHUNTING AND LOADING PROCESSES**

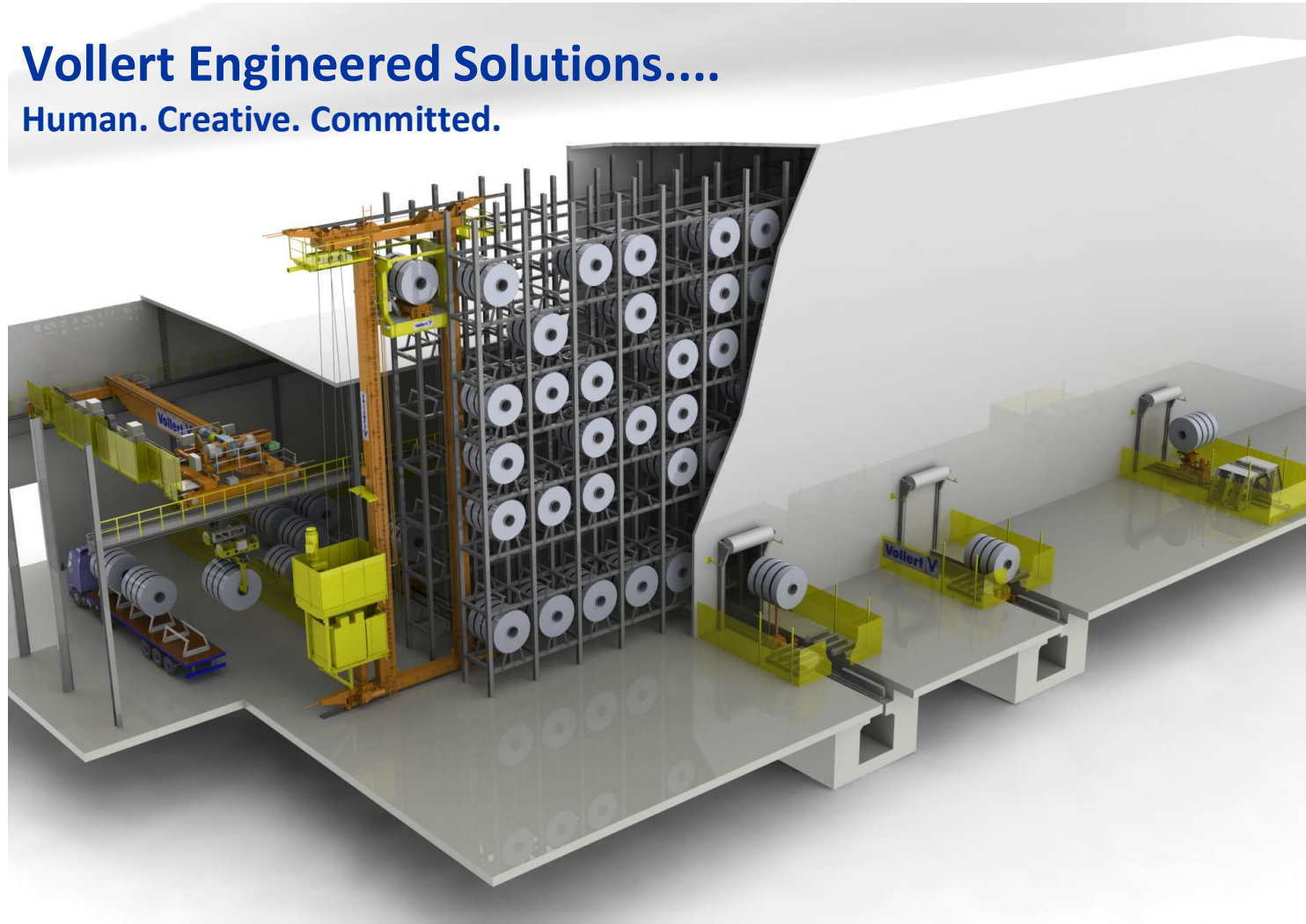


**PLUS SERVICES
TOP PERFORMANCES TODAY AND
TOMORROW**

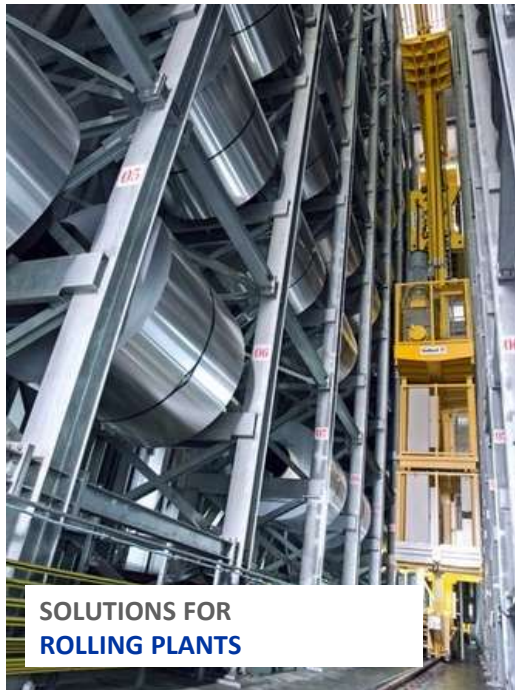


Vollert Engineered Solutions....

Human. Creative. Committed.



Rolling Plant, Extrusion Plant and Primary Industry Solutions



Intermediate Flat Storage



Furnace Handling



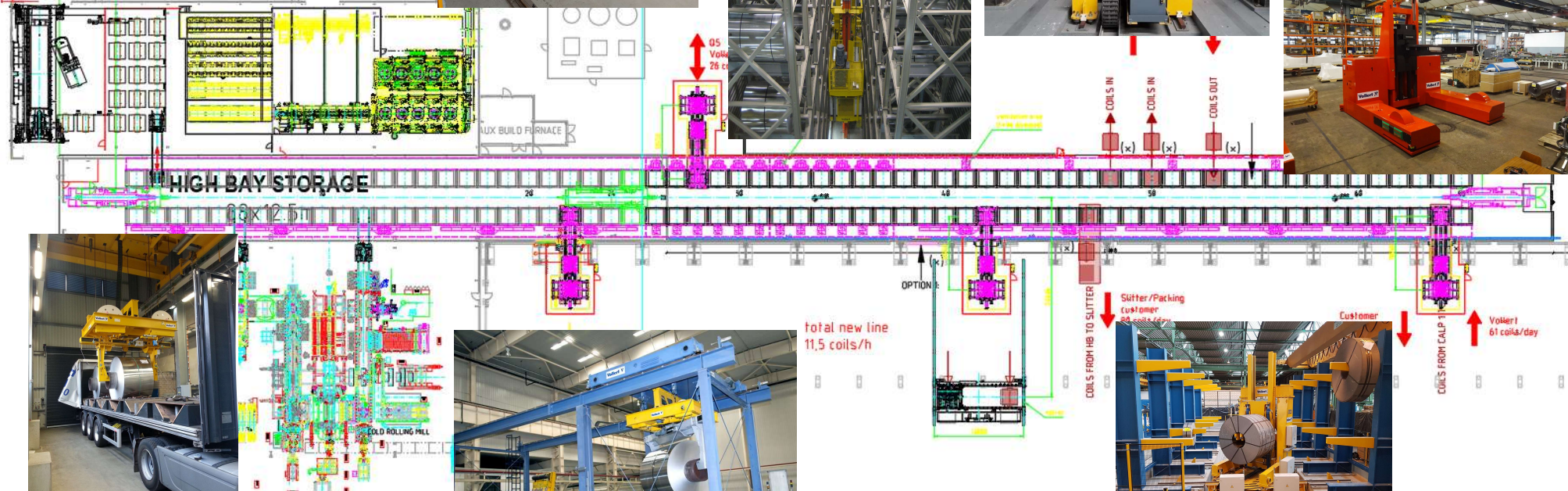
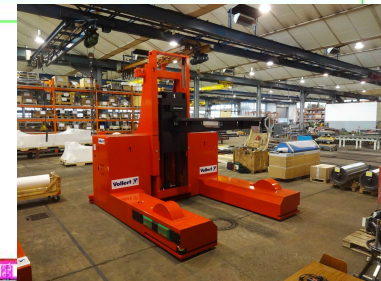
Stacker Crane



Coil Transfer



AGV Connection



Truck Loading



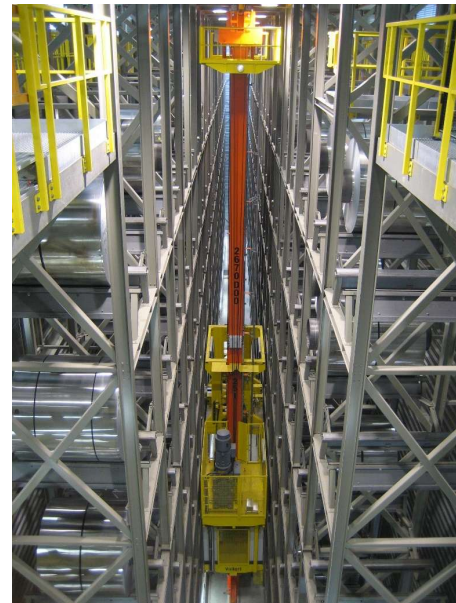
Direct Mill Feeding

Cantilever Storage Slitting Line



High Bay Storage Systems

- Central logistics axis for all functions
- Connect all systems required for the process via a central axis
- Fully automatic transportation of the coils between the process steps
- Connection of all systems on both sides parallel to the warehouse
- Flexible take over points for future expansion
- High cycle times
- Smooth storage
- Space-saving storage solution
- Integration of special functions such as cooling, temperature control zones, etc



Intralogistics Equipment

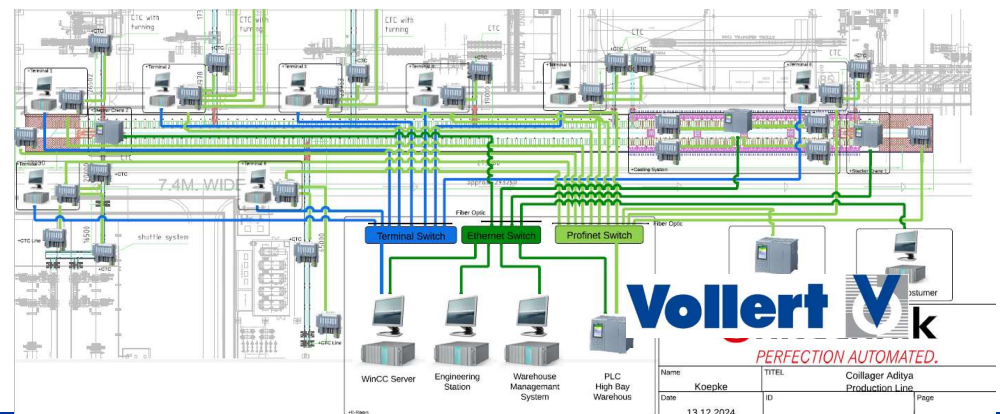
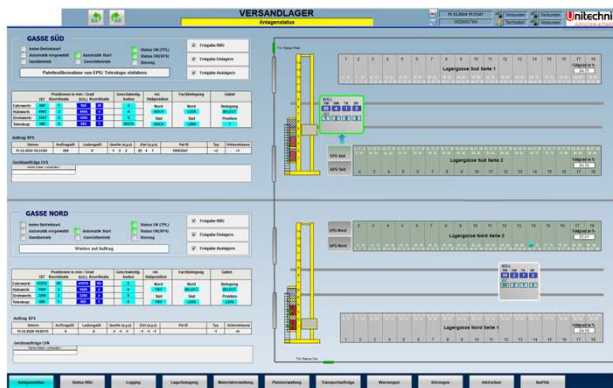
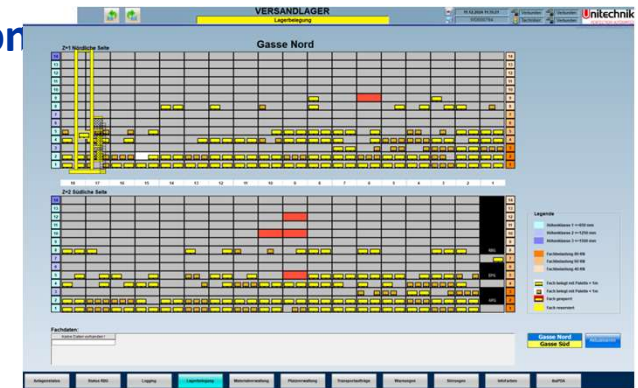
- Fully automatic transportation of the coils between warehouse and machine take over points
- Integration of various systems
- Fast changes between the systems (just in time)
- Smooth transport without damaging the coils
- Logistical decoupling of the warehouse (no dependencies)
- Precise delivery of the coils to the machines
- Possible height adjustment between the take over points



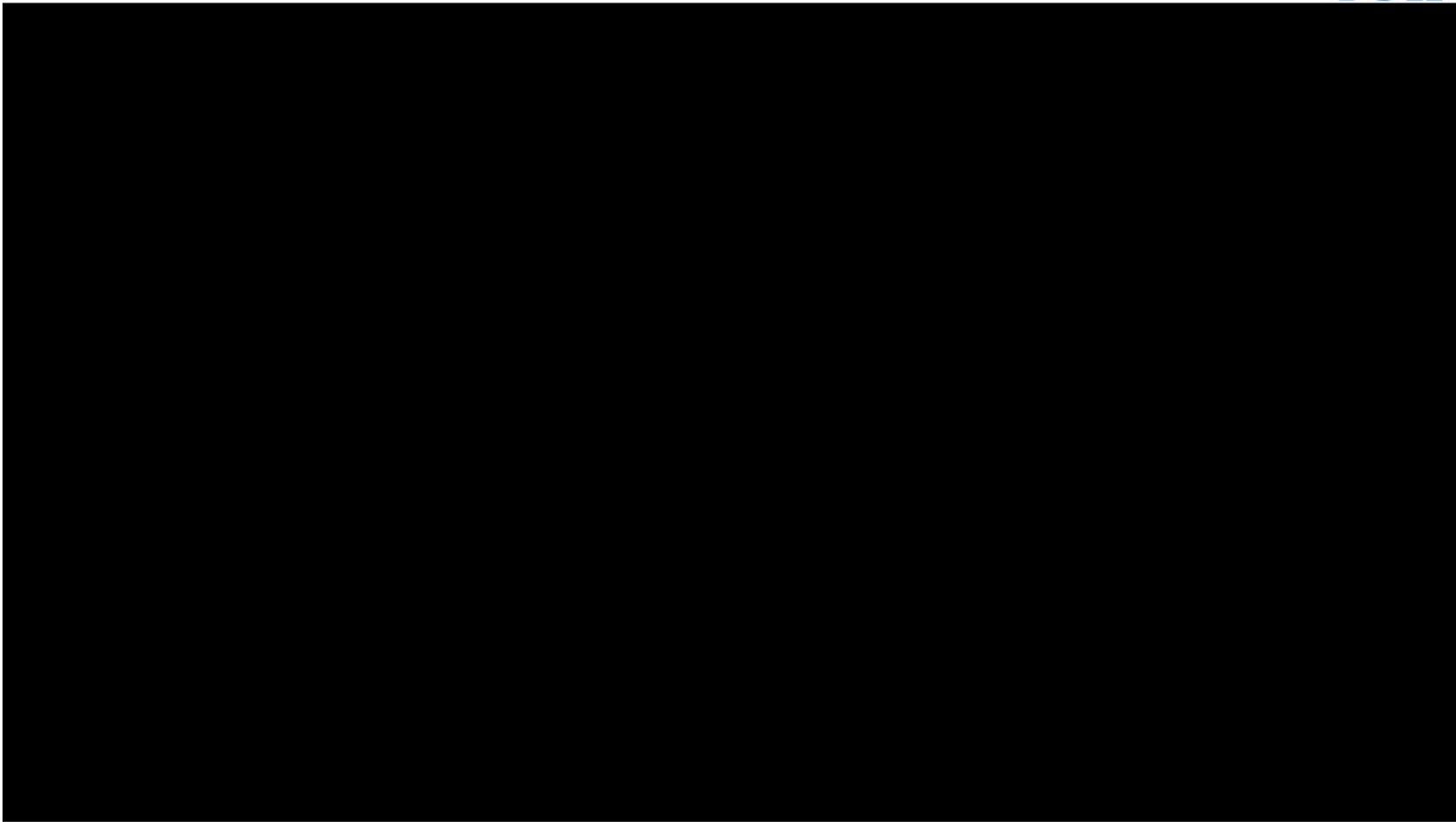
Warehouse Management System



- Optimization of production process plans
- Direct connection of the High Bay Storage to the production control system
- Material Flow System
- Customer orders are compiled in an optimized manner
- Warehouse optimization based on the next process steps
- Control of additional functions such as ventilation/cooling
- Visualization of the complete transport flow
- All coils are recorded and checked by the system
- Stock changes are implemented and logged

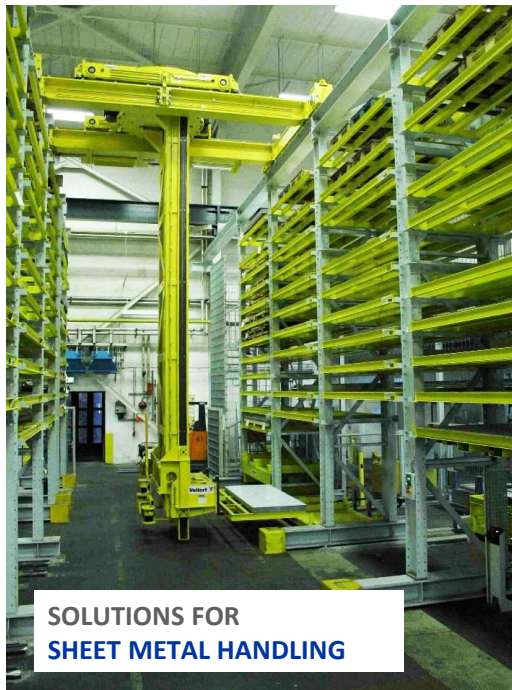


Vollert V
PERFECTION AUTOMATED.
 Name: Koeppke
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Additional Intralogistics Solutions....

Steel/Metal Industry Handling Solutions....



**SOLUTIONS FOR
SHEET METAL HANDLING**



**SOLUTIONS FOR
METAL WIRE HANDLING**



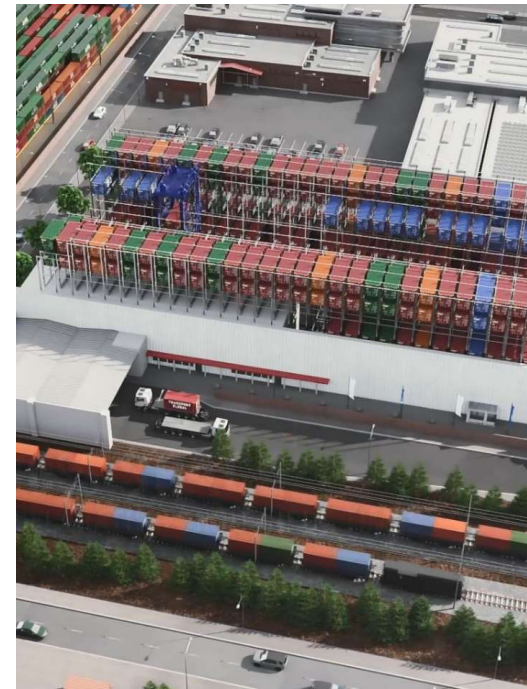
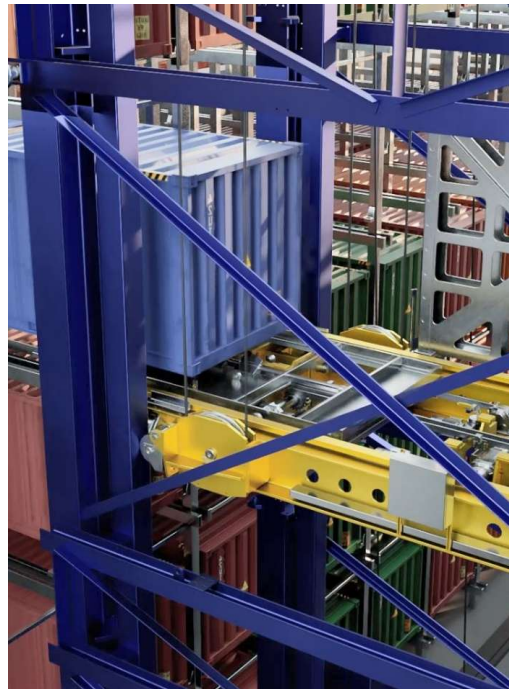
**SOLUTIONS FOR
PIPE HANDLING**



Automotive & Commercial Vehicle Industry Solutions....



Container Logistics Solutions....



Surface Technology Solutions....



Our customers worldwide

– a small selection





VOLLERT ANLAGENBAU TODAY
HUMAN. CREATIVE. COMMITTED.

