

HIGH BAY WAREHOUSE

Firmly on the ground, but flying high



WHAT SETS US APART

extensive years
of **experience**

engineered
solutions

more than
1,000 projects

heights
up to 50 m

operating
internationally

system development



project completion



production



assembly



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HIGH BAY WAREHOUSE FIRMLY ON THE GROUND, BUT FLYING HIGH

We guarantee optimal use of area by using our innovative, efficient and sustainable storage solutions. *Because every millimeter helps when it comes to space.*

If you want to be the best, we are your partner to make it happen. Warehouses which can be operated fully automatic up to heights of 50 m and for the widest range of storage tasks and locations, such as earthquake regions, are our expertise. But we are the partner that still keeps its feet firmly on the ground. We help realize your high-bay

warehouse economically, reliably, precisely and quickly. More than 1,000 successfully completed projects worldwide give many good reasons for choosing voestalpine Krems Finaltechnik and they make us the ideal partner for warehouse planners, system integrators and building owners.

WELCOME TO VOESTALPINE KREMS FINALTECHNIK

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TYPES OF RACKS

Highly individual storage tasks require different storage solutions

From the classic pallets, to the storage of particularly large and bulky goods, or small parts storage, or deep-freeze storage with internal temperatures down to -28°C.



UNIT LOAD SYSTEM

We take precision to a whole new level

We use quality-assured, cold-formed profiles from our own company. The extremely precise tolerances of our profiles are the basis for the dimensional accuracy of the entire structure and ensure perfect automation operability at the same time.

The stored product is a determining factor for our construction as well. We are taking all parameters into consideration, ranging from the technical infrastructure such as ventilation, heating and sprinklers, all the way to conveyor technology and operating devices.

We are specialists for:

- » Single, double and multi-deep solutions
- » Post and beam type racks
- » Highest stability and earthquake resistance
- » Pallet rack with integrated order-picking levels
- » Deep-freezer warehouse

Highlights:

- » 1/2/3/4 pallets per bay
- » Rack-space height is over 3 meters, rack-space width up to 4.5 meters
- » Highest flexibility: euro pallets, industrial pallets, chep-pallets, pallet cage – everything can be stored



PALLET SHUTTLE SYSTEM

Tailor-made for all operating devices

Highlights:

- » 1/2/3 pallets per bay
- » Rack-space height above 3 meters
- » Complex pre-zones with complex platforms and elevator technology
- » Tailor-made devices in the channel rows and aisles

This high-density storage system allows improved usage and capacity for low diversity articles. We offer the ideal prerequisites for smooth automation operation, even in warehouses with a last-in-first-out method. Our pallet shuttle systems are equipped with channel rails according to your individual requirements and are tailor-made for all conventional operating devices. The shuttle design enables deep storage in large block.





AUTOMATED SMALL PARTS WAREHOUSE

Highly efficient

We put your requirements regarding warehousing shelf boards and boxes into practice – in terms of an efficient and economical rack solution.

With precise manufacturing tolerances and the highest assembly accuracy, we guarantee the most accurate precision possible for a reliable rack loading by an automated system. Thanks to our wide range of expertise in silo-type storage systems makes us the ideal specialist for combination solutions of pallet and small parts storage.



Highlights:

- » Open face and beam type racks
- » Single-deep to multi-deep solutions
- » Integration of flow-track channels
- » Highly economical silo constructions with several device levels
- » Cartons and boxes in different sizes can be stored



Due to our many years of experience in the area of heavy and bulky goods, we can guarantee rack solutions, which exactly meet the respective needs. Leading international companies from the automobile, paper, forest and metal industries trust our special solutions.

SPECIAL WAREHOUSE

Special goods require special warehouse solutions

From coils, paper rolls and printed circuit boards, to car bodies or fully automated multi-story car parks with up to 30 tons per load – thanks to our IQ chain from individual planning to production, we are the specialists for special solutions and exceptional tasks.

Highlights:

- » Individual solutions for individual requirements
- » Many years of experience, sophisticated know-how in systems development
- » Special warehouses for single loads up to 30 tons


VARIETY OF INDUSTRIES

References in our focus industries

We offer solutions for different kind of requirements and warehouse tasks in almost any industries.

Thanks to our long years of experiences we are able to provide you with expertise & know-how in these industries:

FOOD RETAILERS / FOOD & BEVERAGE



PROJECT SPAR IN WELS (AT)

Dimensions:

- » Length: 82 m
- » Width: 73 m
- » Height: 32 m

Pallet capacity: 31,200

Storage of: non-perishable foods



PROJECT LES GRANDS CHAIS DE FRANCE IN PETERSBACH (FRA)

Dimensions:

- » Length: 100 m
- » Width: 29 m
- » Height: 40 m

Pallet capacity: 21,200

Storage of: Wein

Specifics: fully air-conditioned and exactly tempered with oxygen-reduced system for highest fire prevention

PROJECT JYSK NORDIC IN ECSER (HU)

Dimensions:


2 racks of identical construction:

- » Length: 167 m
- » Width: 94 m
- » Height: 43 m


Pallet capacity: 105,000

Storage of: home furnishings & pieces of furniture

Specifics: 9,500 tons of steel in total, two external staircases each



TRANSPORTATION & LOGISTICS (3PL)




PROJECT DONAULAGER LOGISTICS / LINZ AG IN LINZ (AT)

Dimensions:

- » Length: 149 m
- » Width: 24 m
- » Height: 36 m

Specifics: deep-freezer warehouse in relatively narrow and high design



PROJECT GROUPE ROBERT IN VARENNES, QUEBEC (CA)


Dimensions:

- » Length: 262 m
- » Width: 46 m
- » Height: 46 m

Pallet capacity: 58,248

Specifics: deep-freezer warehouse with thermal partition for precise separation of the two temperature sections

WOOD & FURNITURE



PROCEKT EGGER IN ST. JOHANN (AT)


Dimensions:

- » Length: 149 m
- » Width: 24 m
- » Height: 36 m

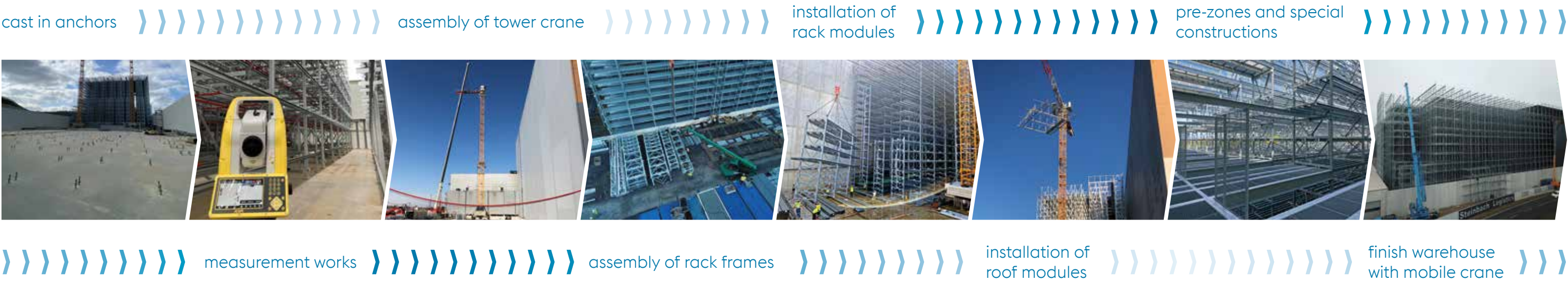
Stellplätze: 4,480 flakeboard bundles

Storage of: flakeboards with a maximum weight of 5 tons

Specifics: three stage levels including frame-work and interchangeable construction in the pre-zone, lateral conveyor technology connection to steel construction



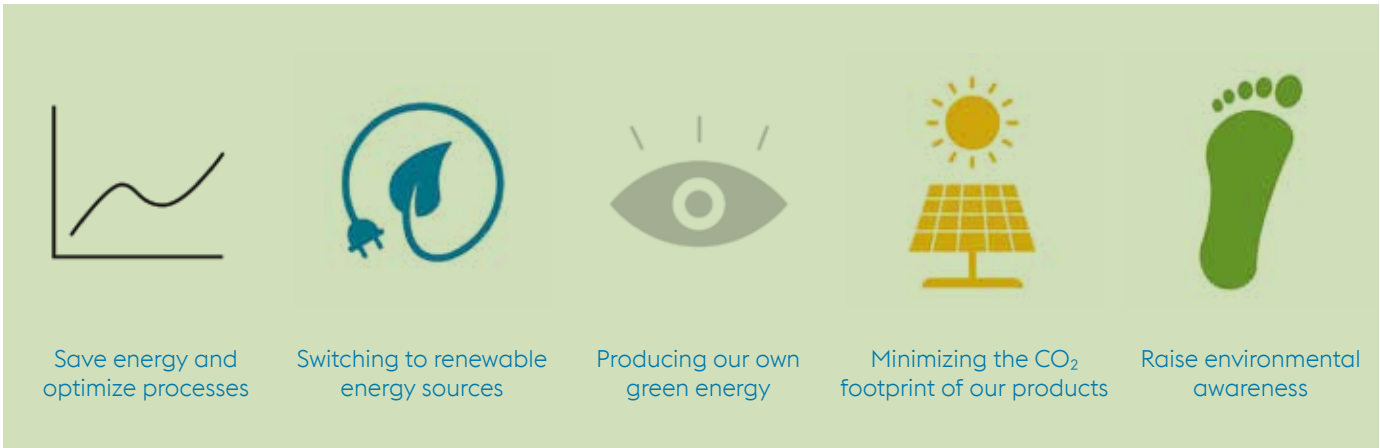
HIGH BAY WAREHOUSE – ASSEMBLY STEPS



CO₂UNTDOWN TO ZERO – OUR WAY TO CLIMATE NEUTRALITY

Our mission: 0% CO₂ emissions by 2035

Climate change is the biggest challenge of our time. We are working to meet this challenge, setting ourselves the goal of zero carbon emissions in the Metal Forming Division by 2035. Only when everyone in the value chain does their part we can jointly achieve our common goal. Concretely spoken, this means:



Expertise & Innovation. We accompany our customers from the idea to the turnkey (special) solution in the areas of high bay warehouses and road safety. *Because highest quality is the only option for us.*



voestalpine Krems Finaltechnik – Official certification in the area of environmental protection & energy:

- » according to the standard of DIN EN 50001 energy management systems
- » goals concerning issues of energy, environment and the climate are defined within the energy program
- » the energy management team takes care of the agendas of the energy program

EXTRA PERFORMANCE AND RELIABILITY FROM A SINGLE SOURCE WITH THE IQ-CHAIN®

Expert know-how, experience and the reliability of the Inhouse Quality Chain, (IQ-Chain®) which is industry-wide outstanding, are what set us apart. We guarantee the complete quality chain in-house – from systems development to project completion and production of the products to assembly, with voestalpine in charge. You will receive

everything from a single source and a single company. voestalpine Krems Finaltechnik GmbH is a company of the Metal Forming Division within the voestalpine group. The company offers complete product and systems solutions in two business areas: high bay warehouses and road safety.

- The IQ-Chain® offers you:
- » **Quality assurance**
 - » **Interface assurance**
 - » **Deadline reliability**

