

WELCOME TO THE WORLD OF KAPELOU

Solutions that 100% satisfy intralogistics needs

Products & Systems

KAPELOU EU

We bring Service and Customer empowerment from KAPELOU UA to Europe.

WHAT WE DO / TURN-KEY SOLUTIONS

KAPELOU designs, manufactures and installs fully automated warehouses, logistics centers, production logistics and other intralogistics solutions.

WHAT WE ARE GOOD AT

Small surgical procedures to improve current processes.

We can offer small - to BIG Projects.

Production
21,000 m²



200 + employees



622+ completed projects



50 Mio € Sold Projects
2022



KAPELOU

Manufacturer of
conveyor systems
and supplier of
intralogistics
solutions



Our location



Bergisch Gladbach



PLATFORMS & MEZZANINES
> 480,500 m²



CONVEYOR SYSTEMS
> 123,000 m



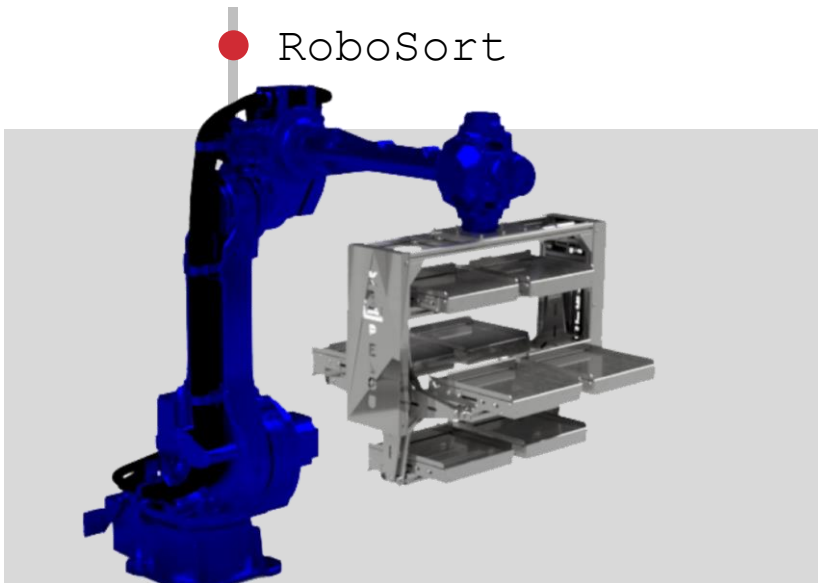
ROBOTS & ELEVATORS
> 215



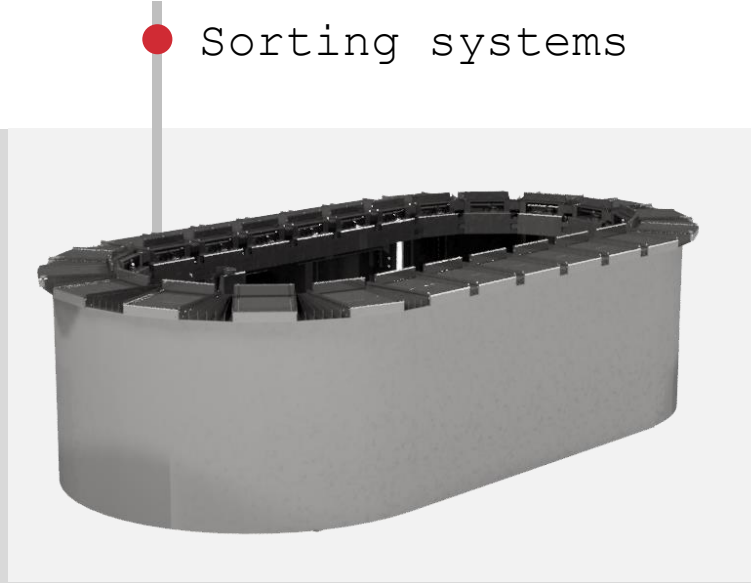
PICK-BY-LIGHT
> 168,000 buttons



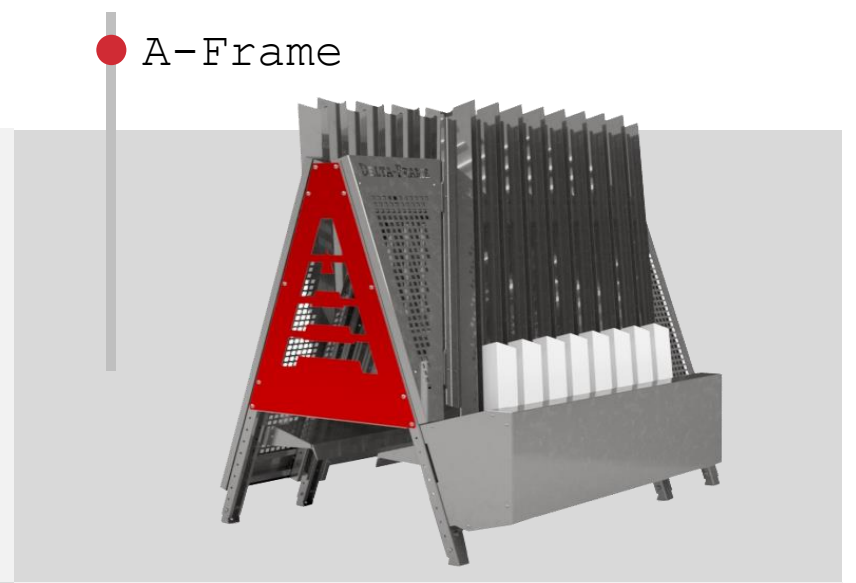
● RoboSort



● Sorting systems



● A-Frame



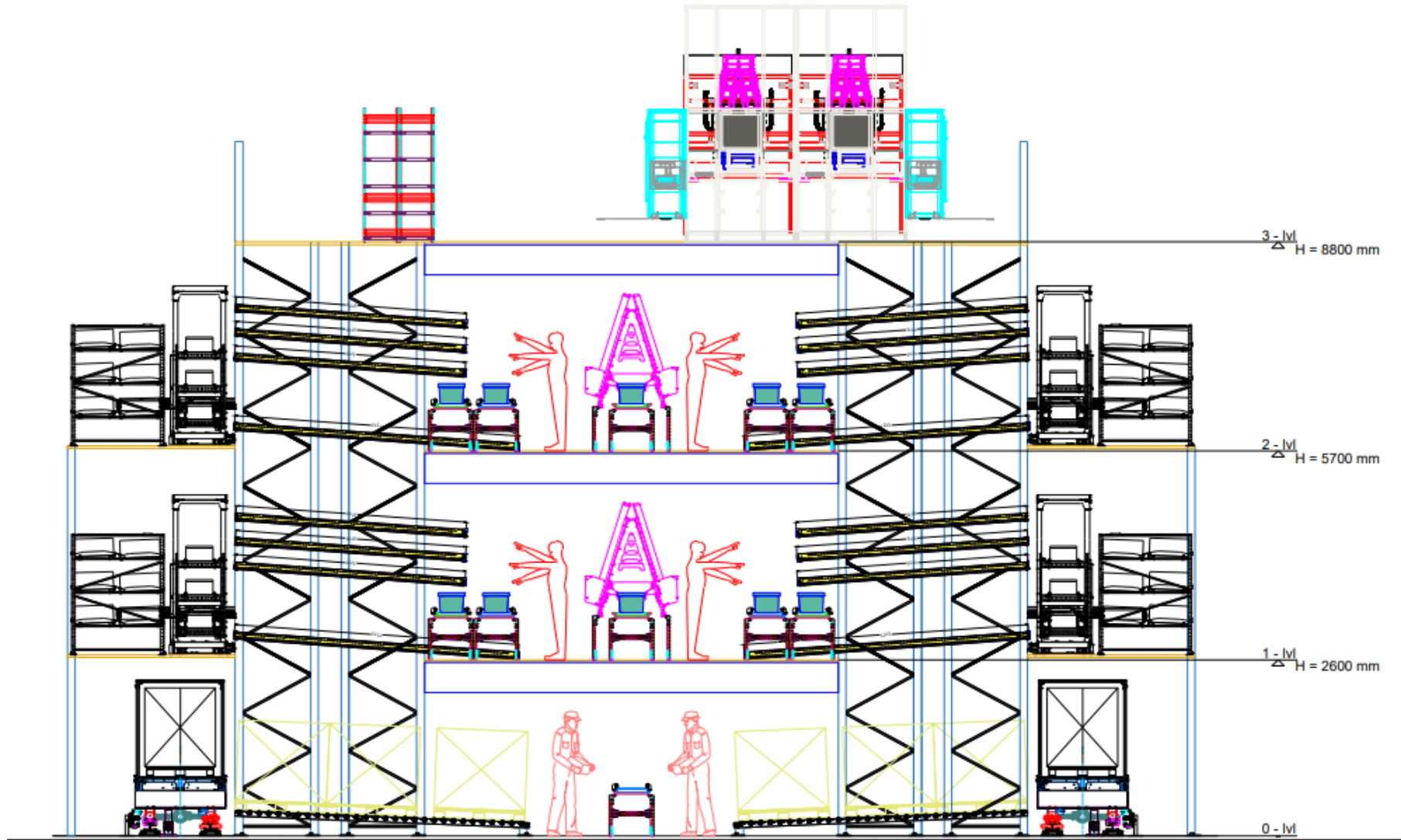
● Box Shuttle

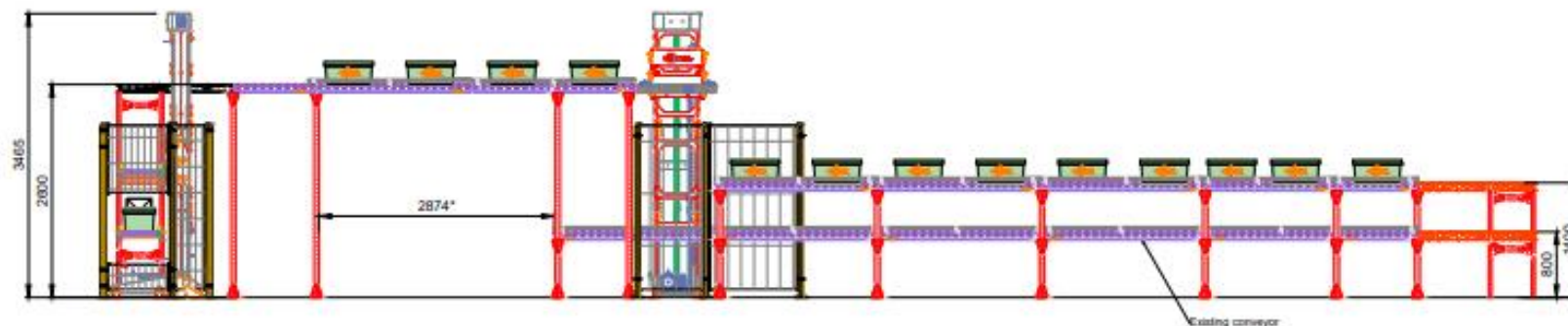
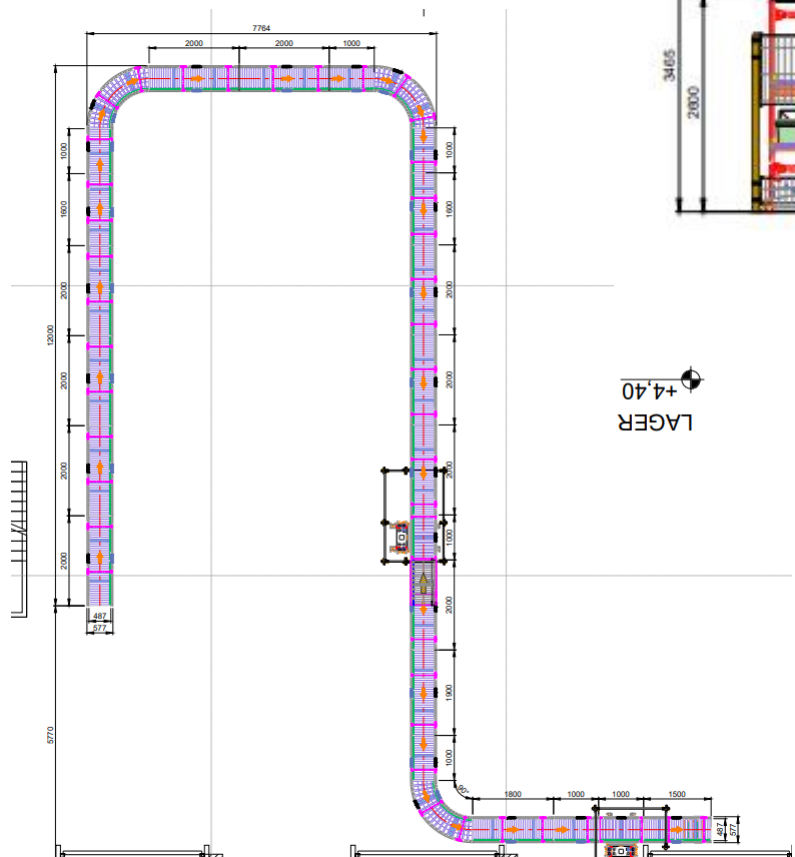


● Conveyor modules



● Automated storage and issuing of orders

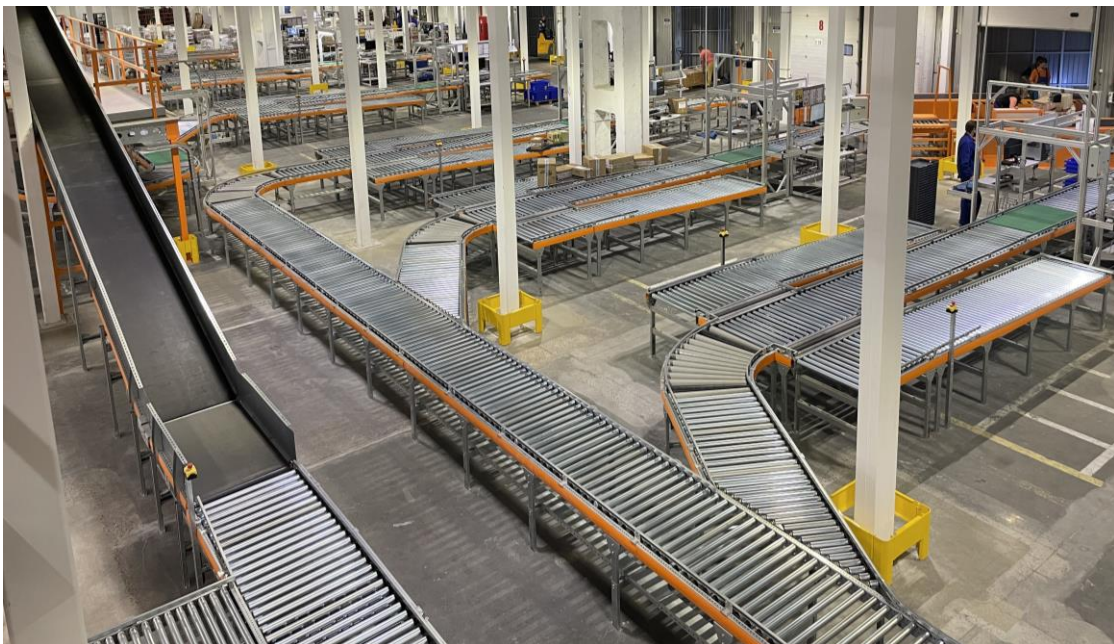




Symbol/Символ	Title/Назва
	Driven roller conveyer straight/Конвеєр роликів привідний прямий
	Driven roller conveyer curved/Конвеєр роликів привідний поворотний
	Conveyor support/Опора конвеєру
	Vertical conveyer/Конвеєр вертикальний
	The elevator net is stuck/Засисна сітка ліфту

Length L, mm	Width W, mm	Height H, mm	Weight, kg	Barcode type	Code 128
600	400	200	2..35	Dimensions	ISO/IEC 15417:2000

CONVEYOR MODULES – FOR BOXES



 **PLAY VIDEO**



300x	600x	800x
300x	400x	600x
50 MM	400 MM	600 MM

The weight of transported products - 35 kg

The speed of transportation - up to 1 m/sc



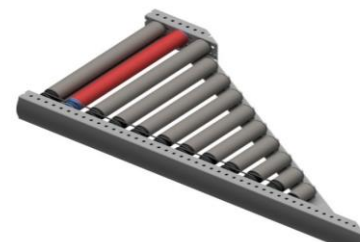
Straight section



← Non-driven / Inclined
→ sections



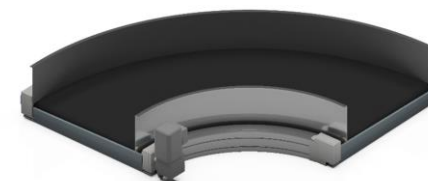
Turning section
30° / 45° /
90°



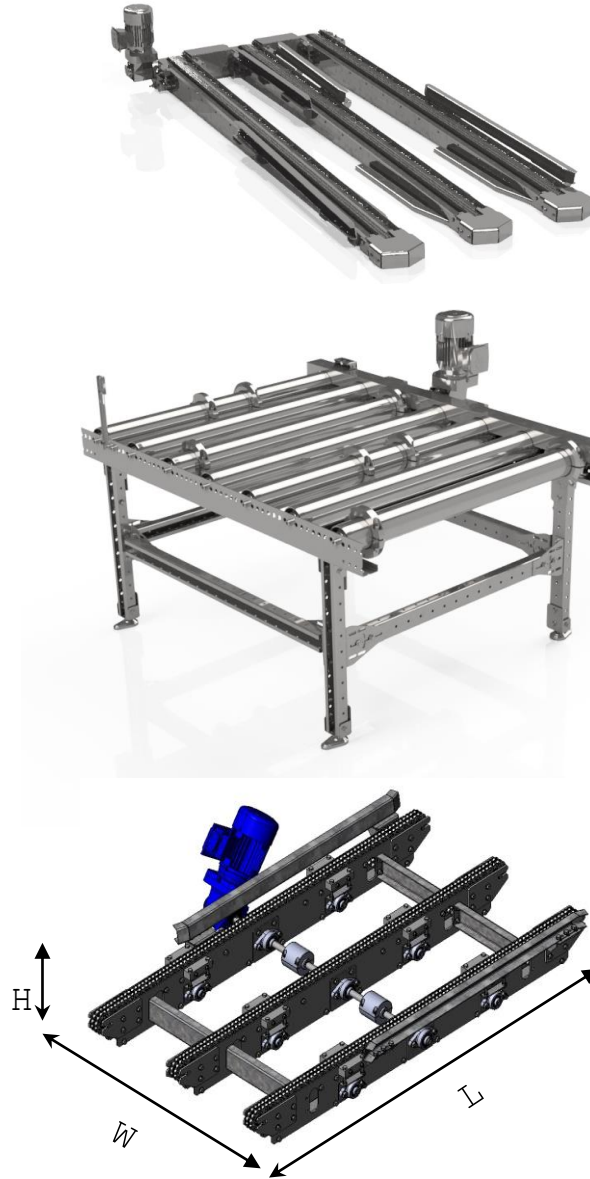
Infeed section
30° / 45° / 60° /
90°



Folding section



CONVEYOR MODULES – FOR PALLETS



MODULAR SYSTEM STRUCTURE:



Loading section

Intermediate section

Unloading section for pallet jack



1 500 kg

Maximum pallet weight

15 pallets

Channel depth

80 %

The ratio of utilization of the volume of the warehouse

FIFO

Principle of product picking

More than 10 years

Term of service

1 time a year

Min. maintenance

Each floor of the system can be assigned to a different product SKU or turnover

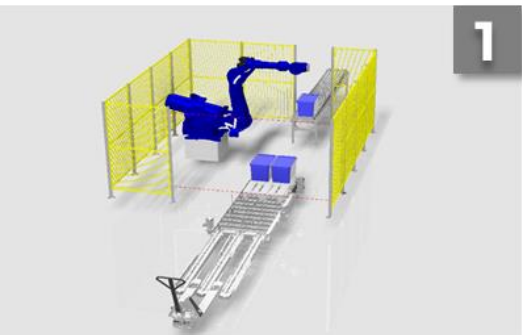
The modules are available for both tilt and non-tilt forklifts.



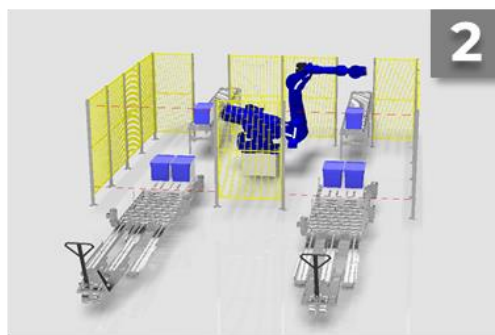
800x
1200 MM

1000x
1200 MM

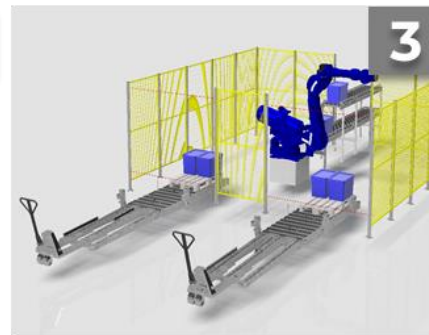
1200x
1200 MM



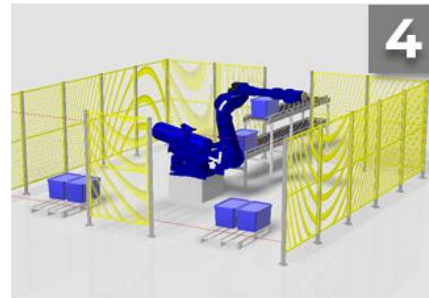
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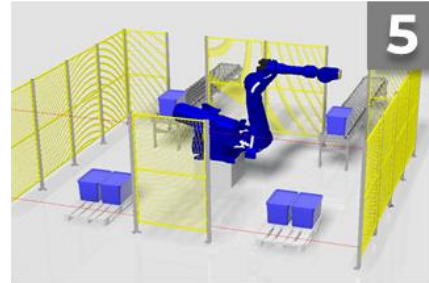
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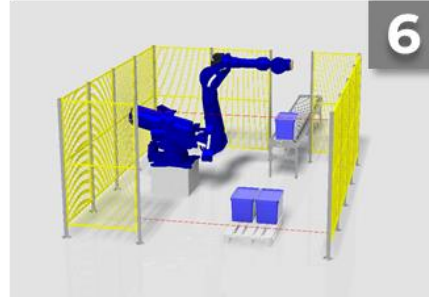
3



4



5



6

LEAVE THE PHYSICAL WORK TO THE ROBOTS. INTELLIGENCE BELONGS TO PEOPLE.

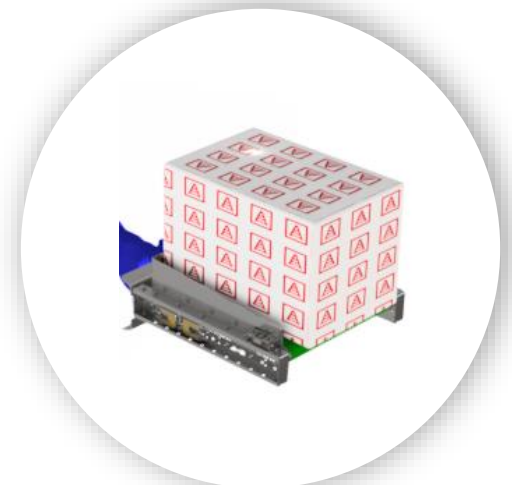
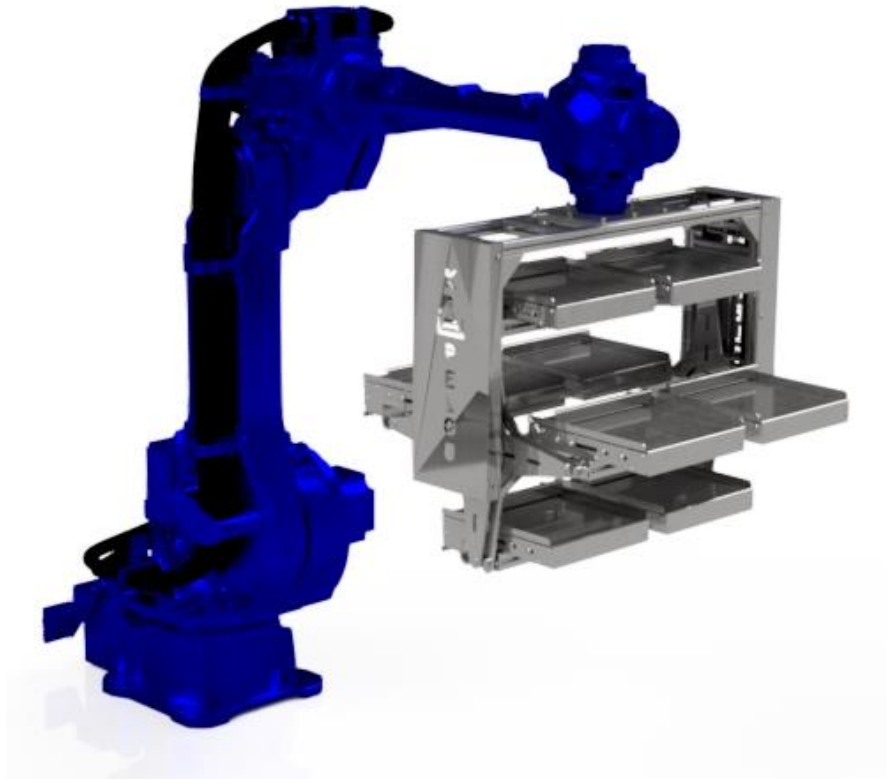
Solutions based on robotics allow you to work **24/7** without stops, breaks and sick days. Many times increase the accuracy of operations and the speed of work.

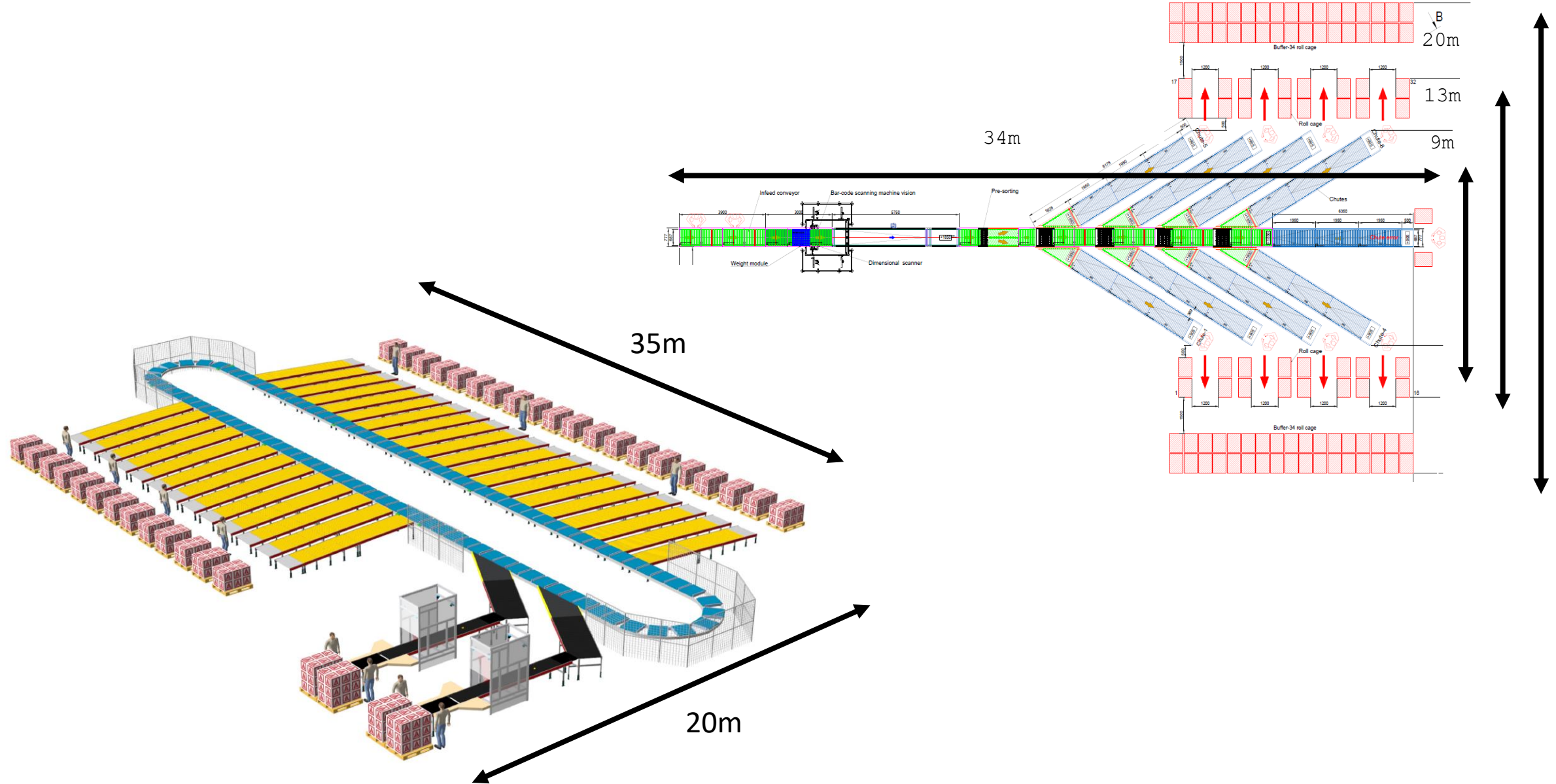
Robots perform physically demanding work and require a minimum of maintenance.

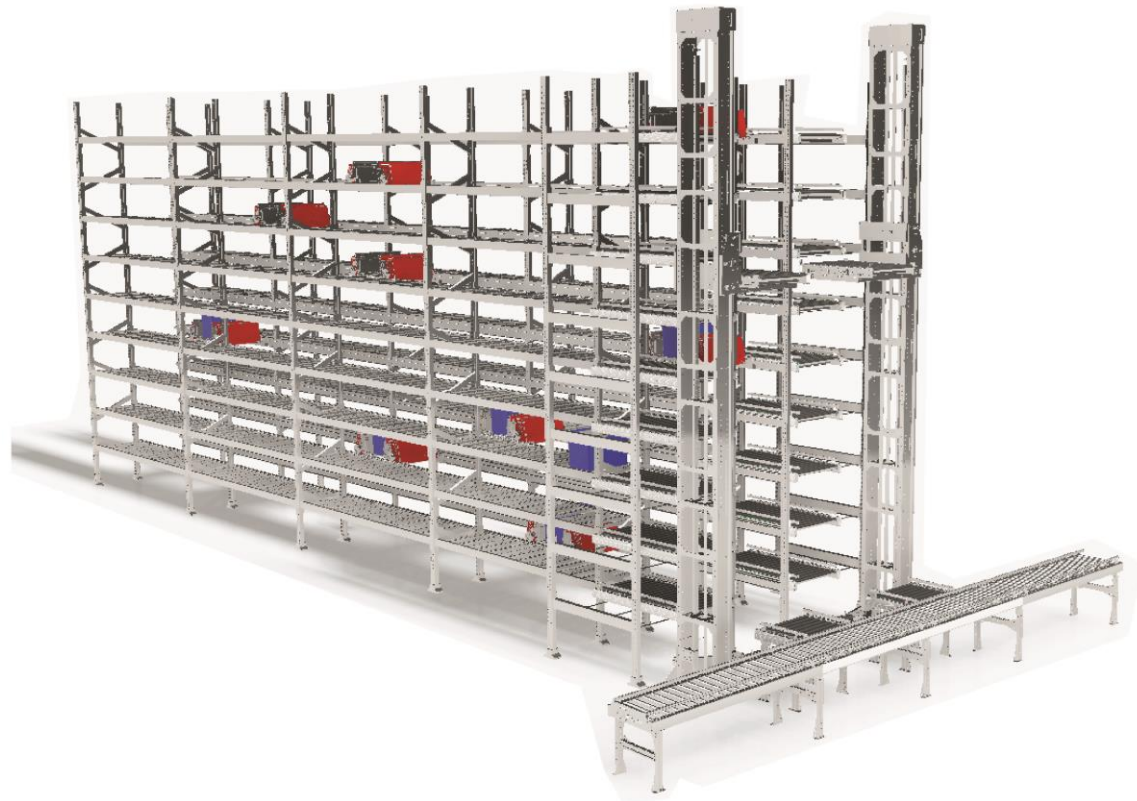
The payback of the project is **less than 12 months**. Calculated on the basis of the current project.

Solutions

1	600 cycles per hour
2	800 cycles per hour
3	800 cycles per hour
4	600 cycles per hour
5	700 cycles per hour
6	700 cycles per hour







An automated system of placement and picking of goods, which allows you to store goods as densely as possible, quickly and accurately deliver them to warehouse operators.

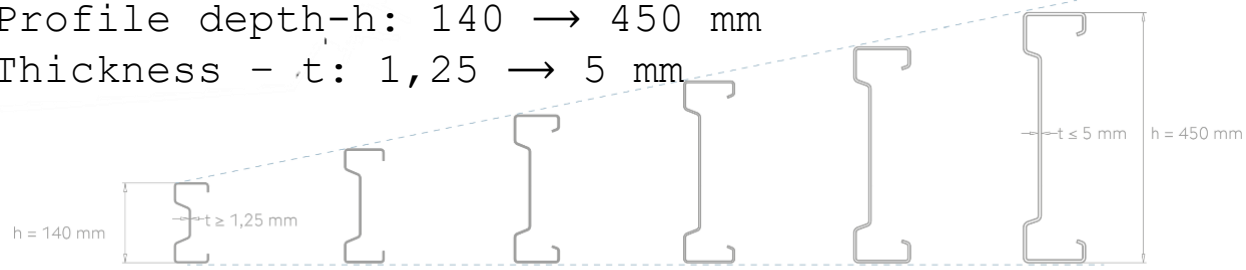
Parameters

Speed, max.	2 m/s
Load, max.	30 kg
Product dimensions (L x W)	600 x 400 mm
Type of goods	boxes, trays
Length, max.	100 m
Height, max.	12 m
Storage type	one-row, two-row

SIGMA & SIGMA-PLUS PROFILES:

Profile depth-h: 140 → 450 mm

Thickness - t: 1,25 → 5 mm



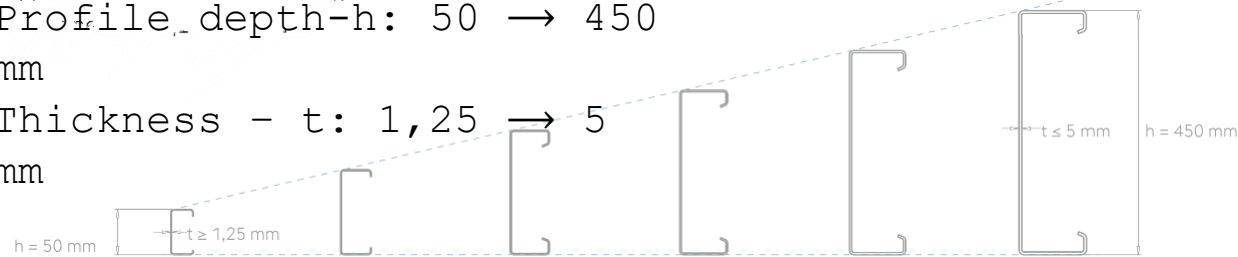
CEE & CEE-PLUS PROFILES:

Profile depth-h: 50 → 450 mm

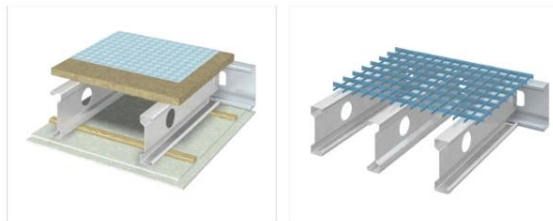
mm

Thickness - t: 1,25 → 5

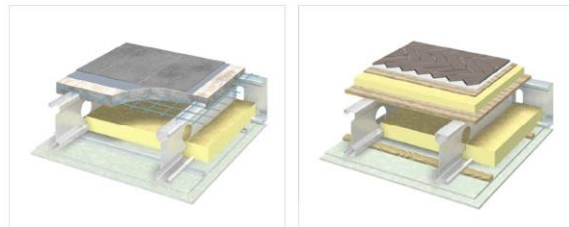
mm



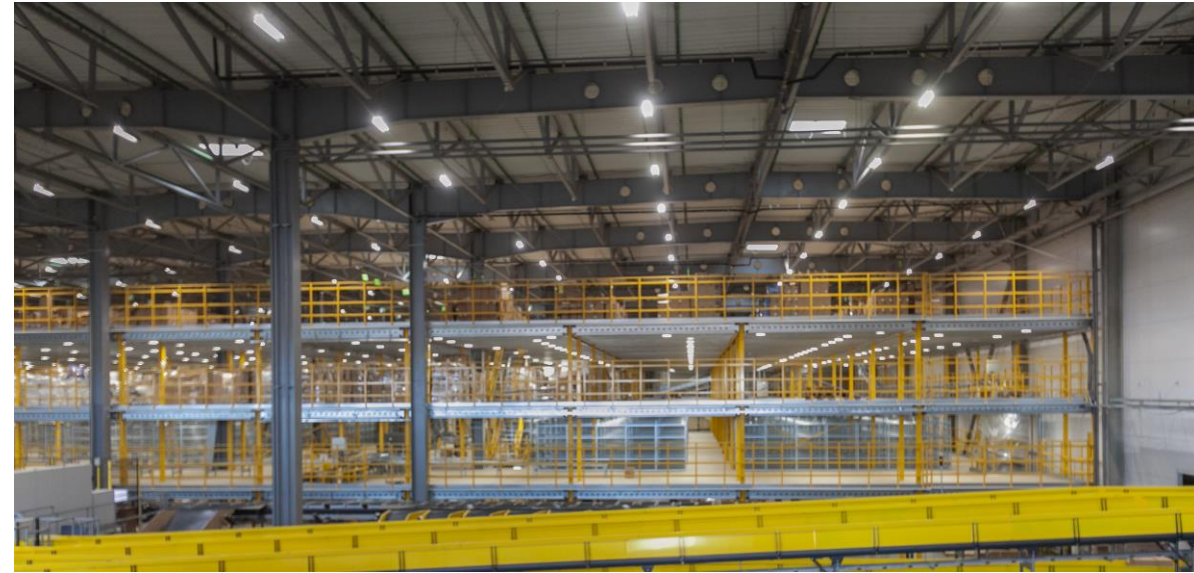
Types of flooring



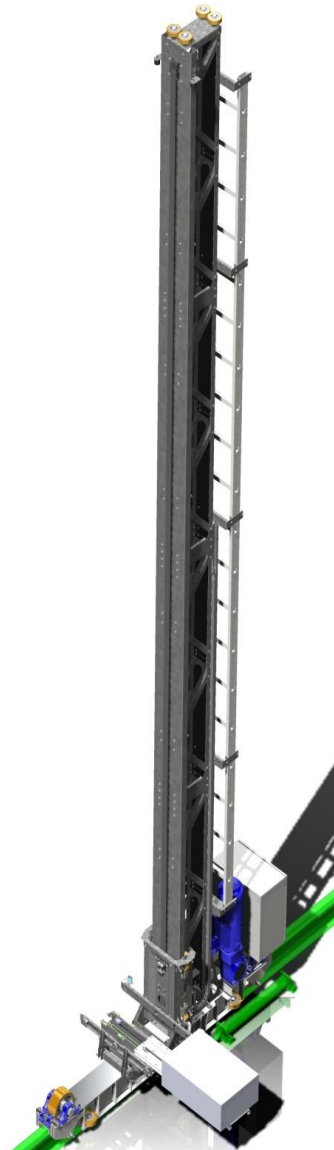
For industrial premises



For office premises



Unloading
in both directions



A compact tool for moving boxes, which significantly increases the speed of loading and unloading cargo in the warehouse, eliminates delays and improves work efficiency.

Parameters

Dimension of robot (LxWxH)	600x400x200 mm
Box weight	50 kg
Number of boxes on the carriage	1 pc
Box lift height	6 m
Speed of movement along the horizon	2 m/s
Horizontal acceleration	2 m/s ²
Carriage lifting speed	2 m/s
Carriage acceleration	2 m/s ²
Crane mass	500 kg

A-Frame is a warehouse picking system, that packs products from vertical channels into boxes, cartons or onto a conveyor belt that moves through the center of the system.

 **PLAY VIDEO**

Parameters

Size of product, min.	45x40x60 mm
Size of product, max.	160x85x190 mm
Picking speed, max.	3.000 products / hour
Output system speed, max.	5 products / second
Product weight in vertical channel, max.	15 kg

24 channels, 12 on each side



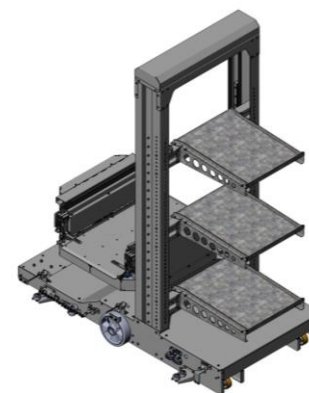
G2P. Increases storage density by 80-400%

KAPELOU's latest development, an autonomous goods handling robot, which we call GNOM, is designed for automatic pick, storage and simultaneous processing of several boxes.



Performance indicators

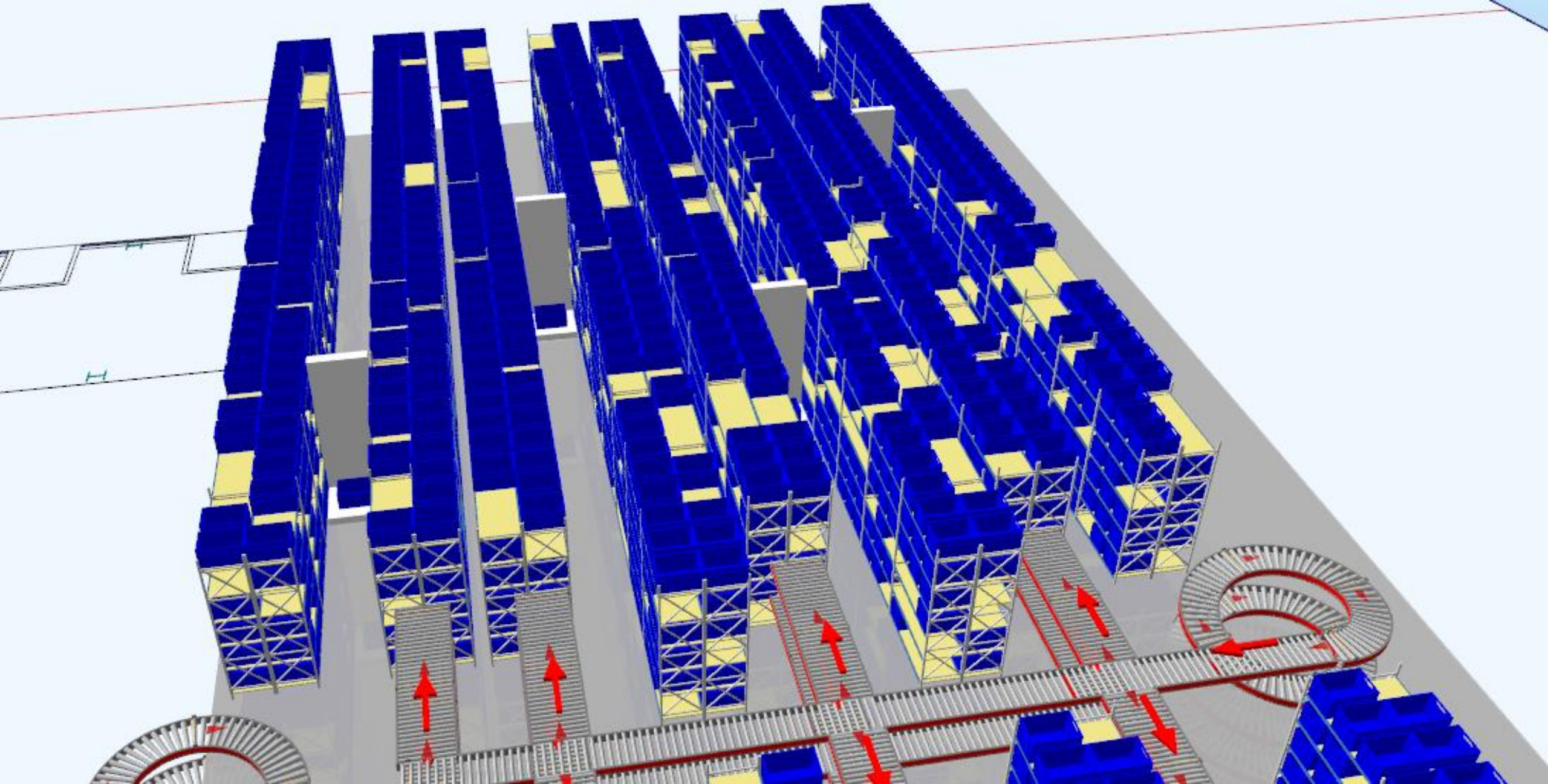
Movement speed	1 m/s
Carriage movement speed	0,25 m/s
Load	up to 30 kg
Product dimensions (W x H x D)	400x220 (up to 400) x600 mm
Storage range	0,4 – 1,5 m
Platform rotation angle	90°
Number of places for simultaneous movement of goods	3+1

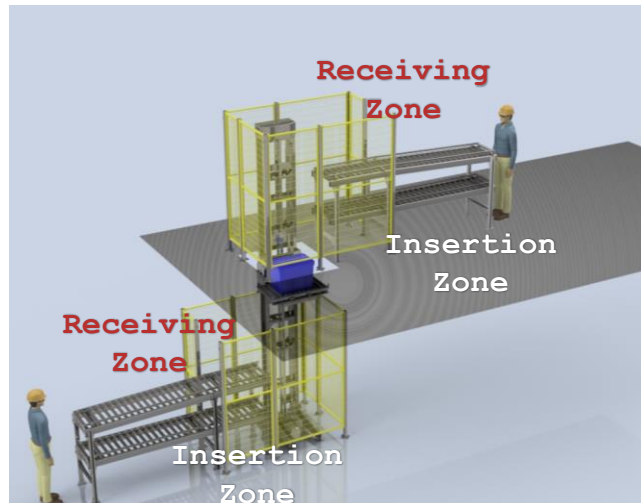


Eliminates the need for extra runs of pickers, increasing the accuracy of picking and reducing labor intensity.

Compared to manual selection, automated solutions **increase efficiency by 2-3 times.**

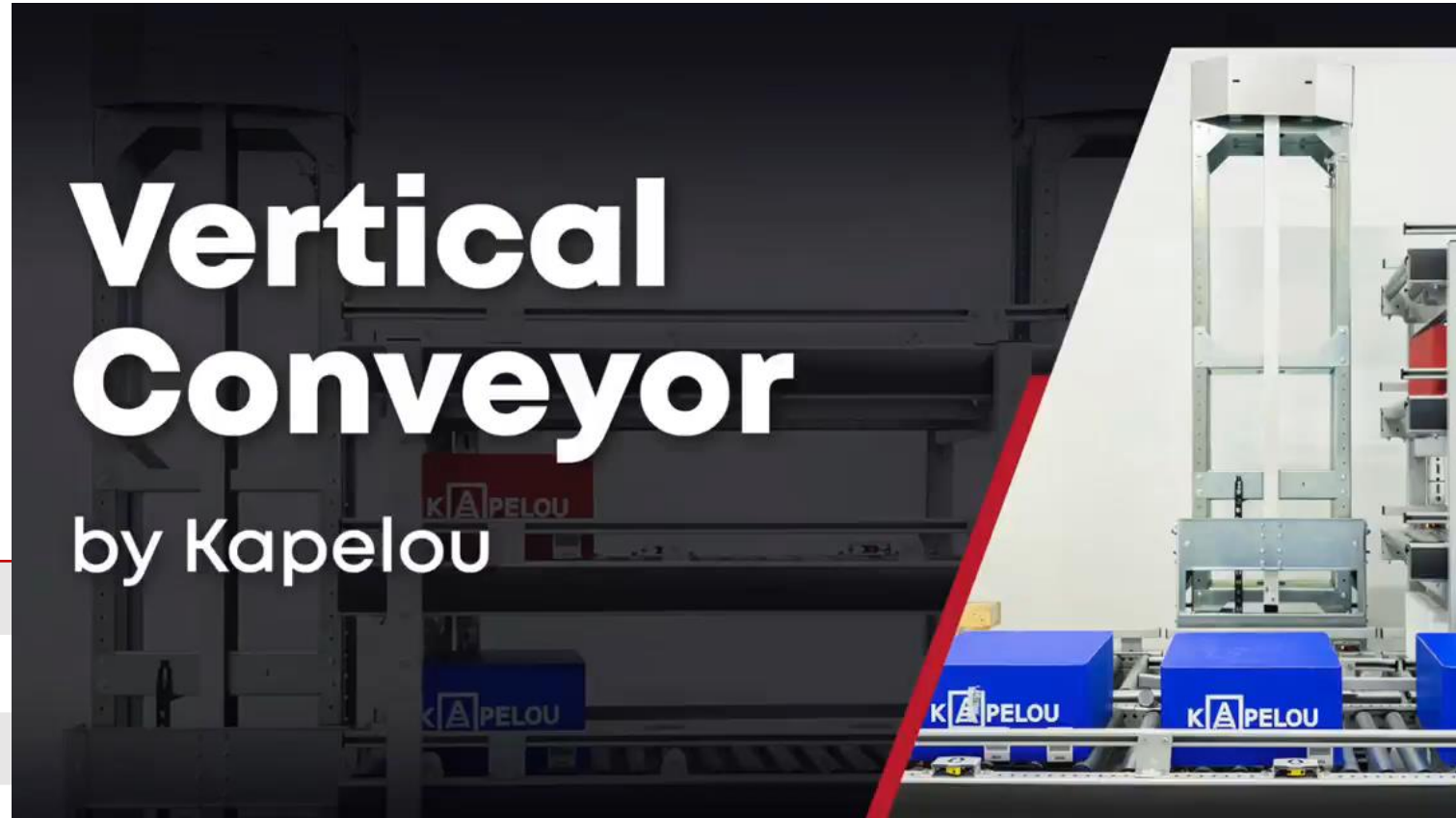
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Vertical Conveyor

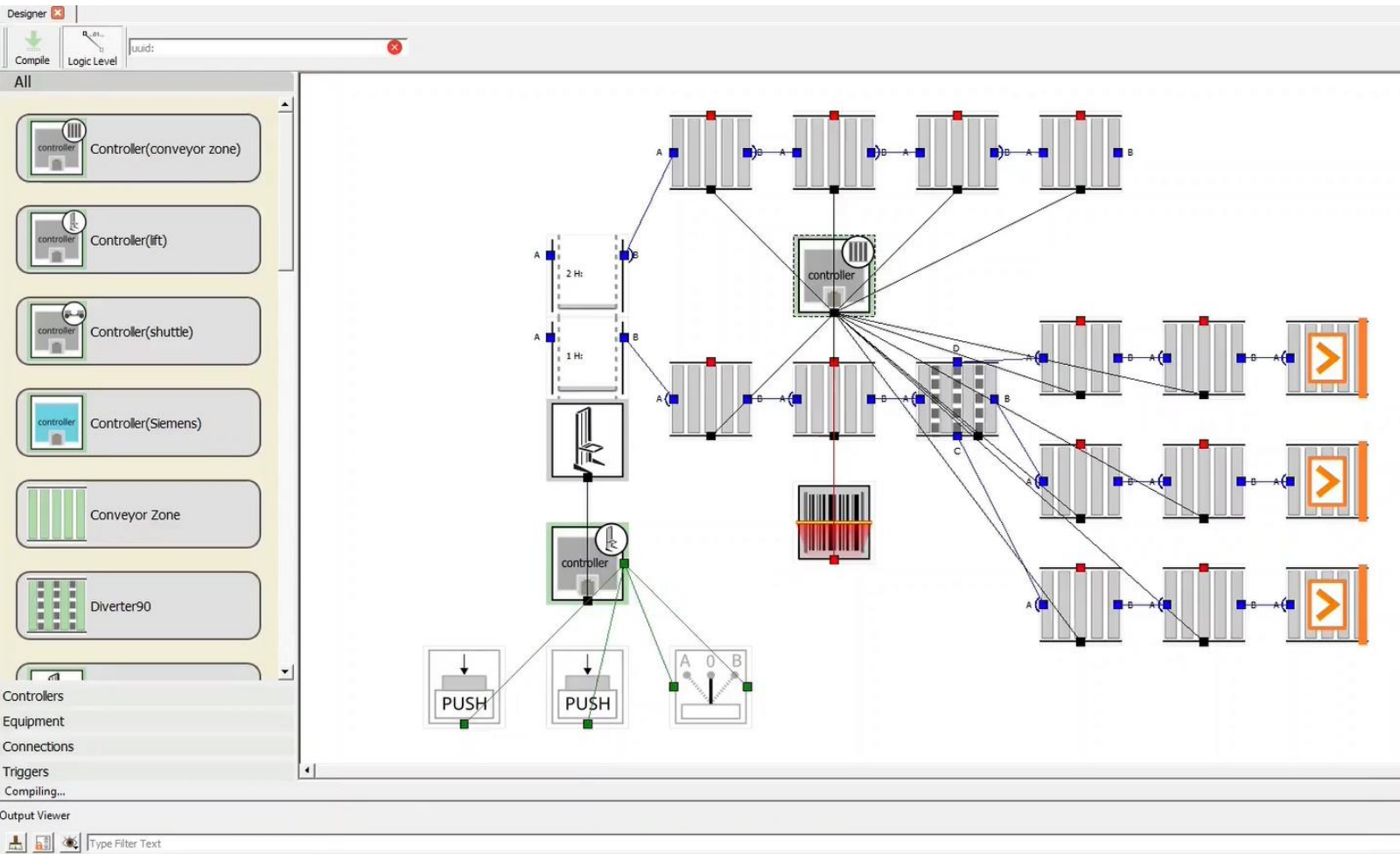
by Kapelou



Performance indicators

Direction	Up & Down
Transportation	Totes
Capacity	600 cycles
General Height	4.000 mm
Height between Floors	2.500 mm
Receiving Zones	2 m Non-driven Roller Conveyor + 1m Driven Conveyor
Insertion Zone	3 m Driven Roller Conveyor
Guardance	Fence included

PLAY VIDEO



PLUG AND PLAY system

it is easy to start and manage the modules of the automated system.

- Flexible configuration
- Equipment of all types
- All products in one application
- Cross-platform
- Flexible configuration

KAPELOU supports its customers throughout the life cycle of the automated system.

A service that gives peace of mind.



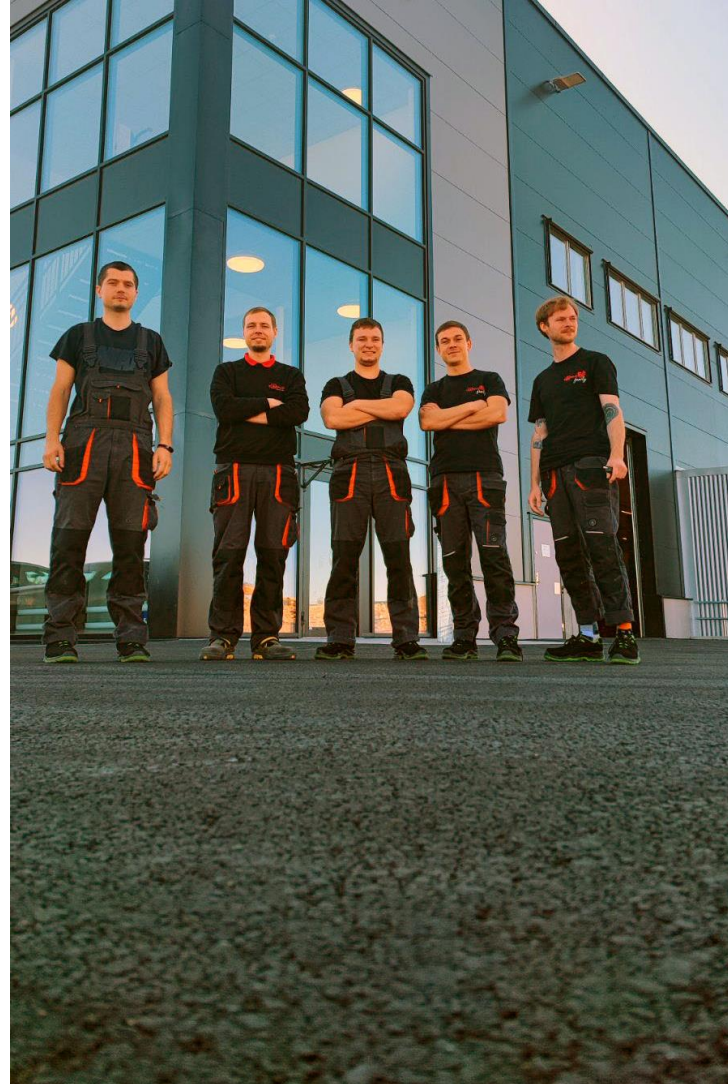
remote connection (VPN)



instructions on working with automated system



24/7 technical support



Spare parts & repairs

- Spare and wearing parts from one source
- Individual packages of spare parts
- Reconstruction of equipment and modules

Service & installation

- Preventive visits and scheduled maintenance
- On-site repair and support
- Service contracts
- Installation / dismantling
- Relocation of warehouse

Modernization & training

- Modernization and updating of systems and modules
- Trainings for operators and service personnel
- Consulting on issues of modernization and renewal



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