



ABOUT THE COMPANY

KAPELOU is a manufacturer and supplier of comprehensive automation systems and complete storage solutions.

KAPELOU takes all customer needs into account at every stage of the project. From increasing usable space and optimising throughput to completely redesigning warehouses and logistics processes.

KAPELOU offers all kinds of services and products.

KAPELOU implements automation systems that include conveyor and shuttle systems, robots, AGV, AS/RS systems.

Scale your business with a turnkey logistics solution from KAPELOU.



Identification of tasks & analysis

- Detailed business process analysis
- Material flows in the warehouse
- Reference visits



Design concept & solution development

- Concept presentation with explanations
- 2D layout plan
- 3D warehouse material flow plan



Manufacture

- Metalworking
- Electrical assembly
- Technical control
- Assembly of modules and assemblies



Detailed project design

- Technical specifications
- Functional requirements
- Detailed design of the system
- Architecture and software development



Integration

- Installation of shelving systems
- Installation of conveyor systems
- Connection of control units
- Integration of automation system and WMS



Start-up and maintenance

- Trial operation of the system
- Training of the client's operational team



24/7 service support

- 24/7 - service hotline
- Spare parts & repair
- Maintenance
- Retrofitting & training

WAREHOUSE AUTOMATION



CONVEYOR SYSTEM
MANUFACTURING



CONCEPTUAL
SOLUTION
DEVELOPMENT



INTEGRATION
OF EQUIPMENT
INTO A SINGLE SYSTEM

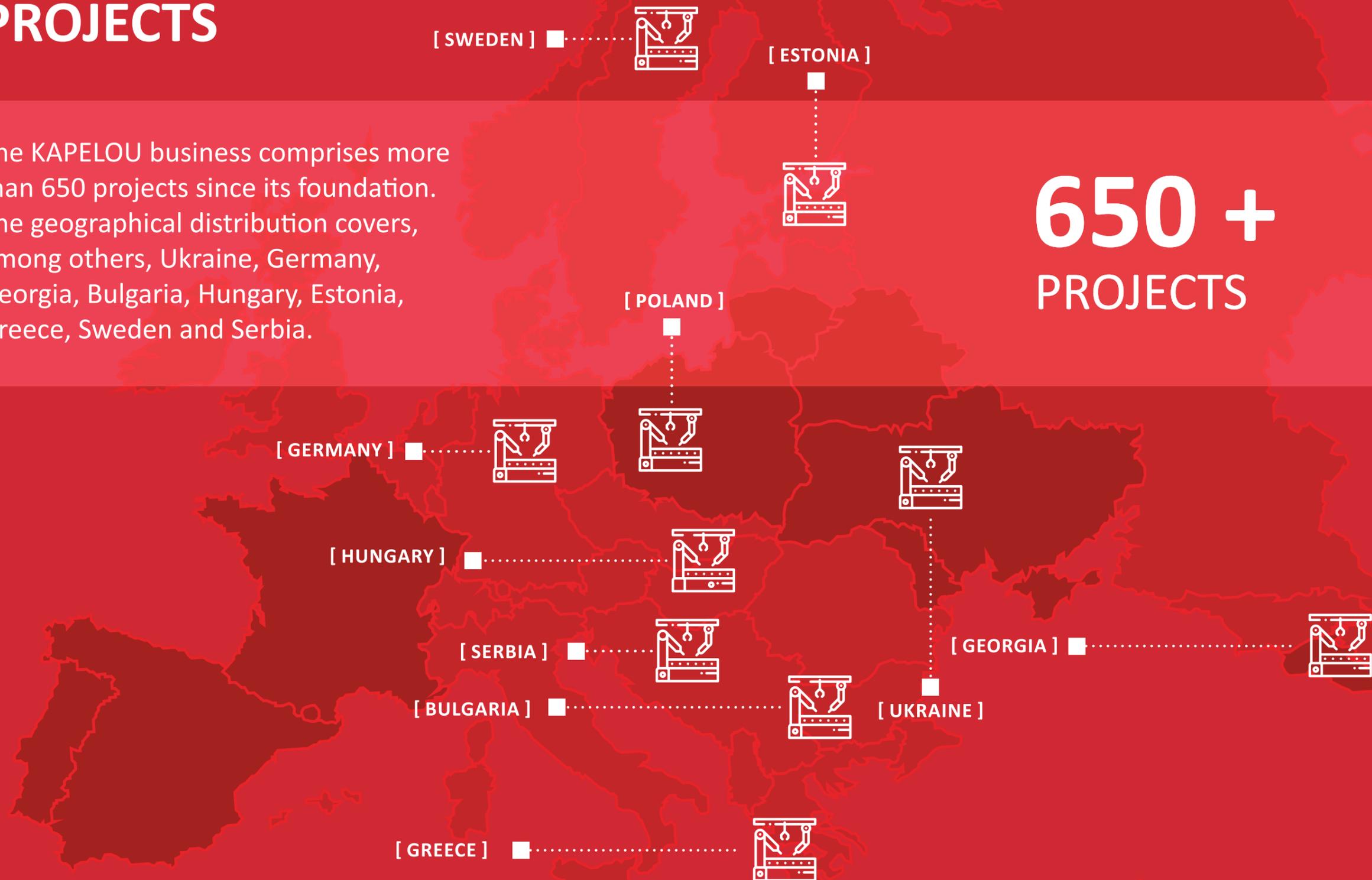


SERVICE
SUPPORT

MAP OF PROJECTS

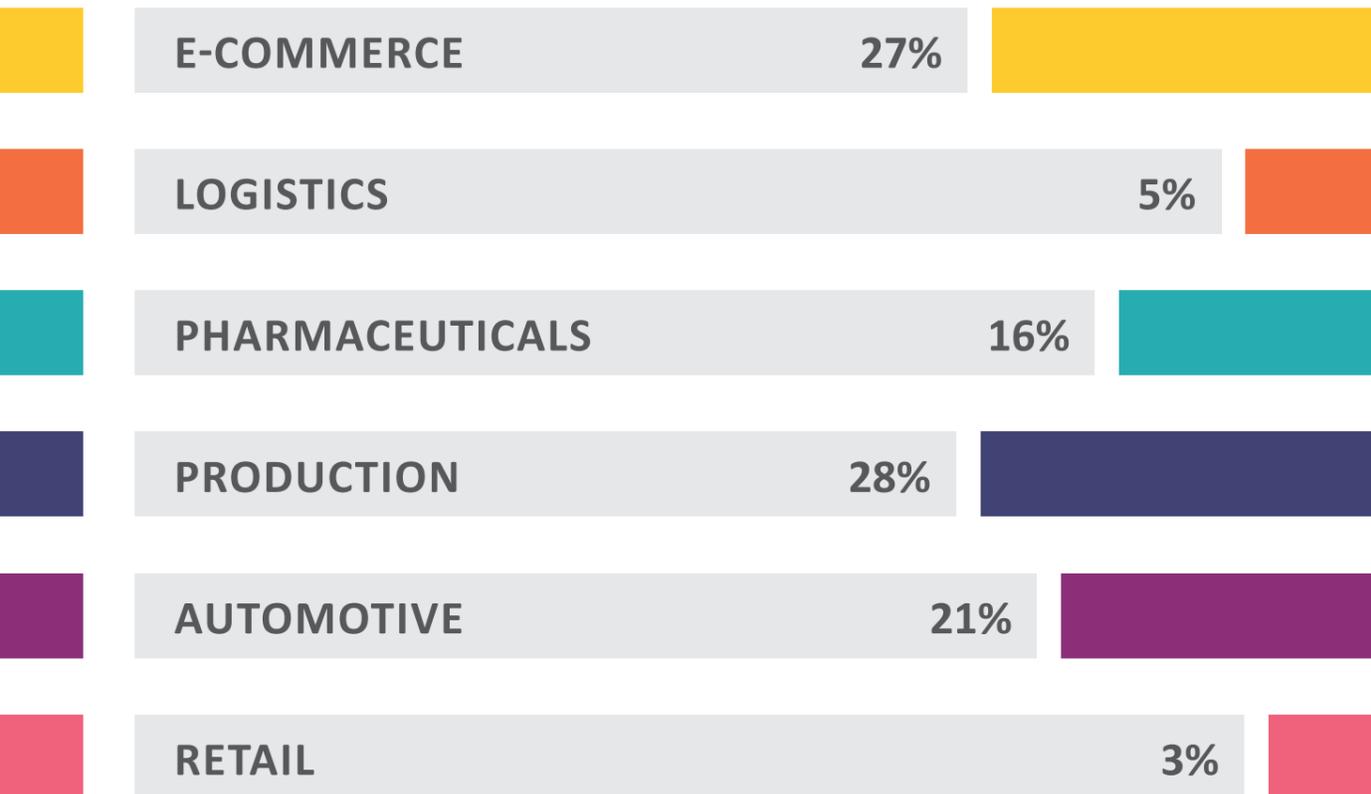
The KAPELOU business comprises more than 650 projects since its foundation. The geographical distribution covers, among others, Ukraine, Germany, Georgia, Bulgaria, Hungary, Estonia, Greece, Sweden and Serbia.

650 +
PROJECTS



CUSTOMER SECTORS

OVER THE LAST 10 YEARS, KAPELOU HAS IMPLEMENTED PROJECTS OF VARIOUS COMPLEXITY IN SEVERAL SECTORS.



EACH PROJECT IS UNIQUE

Each industry has its specific challenges, which are taken into account in the conceptual design, detailed development and implementation.

To find solutions, all workflows and processes are analysed extensively and the results are used as a basis for the next process steps.



HOW WE WORK

KAPELOU: EVERYTHING FROM ONE SOURCE

Our project teams include warehouse racking and conveyor planning engineers, logistics specialists, concept developers, electrical engineers, software and hardware engineers, analysts, service engineers and others.

This ensures optimal project implementation with fastest possible implementation at the highest quality.



THE PROJECT PROCESS CONSISTS OF 6 PHASES:

- 1 Analysis of the current state and definition of the task
- 2 Conceptual development
- 3 Detailed planning and manufacture
- 4 Integration of the system
- 5 Commissioning and training
- 6 Maintenance and service

OUR PARTNERS

The reliability, robustness and best possible functionality of an automation system depend directly on the quality of the system and thus also on the quality of the individual components.

For this reason, we select suppliers with the utmost care, work with world market leaders and regularly attend training courses.

KAPELOU WORKS INTENSIVELY WITH THE FOLLOWING MANUFACTURERS:



SOLUTIONS

We offer solutions for all processes in warehouse logistics.

We use the most modern technologies in areas such as:



CONVEYING



PICKING



SORTING



IDENTIFICATION



IT-SOLUTIONS



SERVICE



[CONVEYING]



[SORTING]



[IDENTIFICATION]



[IT SOLUTIONS]



[PICKING]



[SERVICE]

TRANSPORTATION

KAPELOU STANDS FOR TOP TECHNOLOGY, ENERGY EFFICIENCY AND MODULAR CONSTRUCTION.

We manufacture conveyor systems for boxes and pallets.



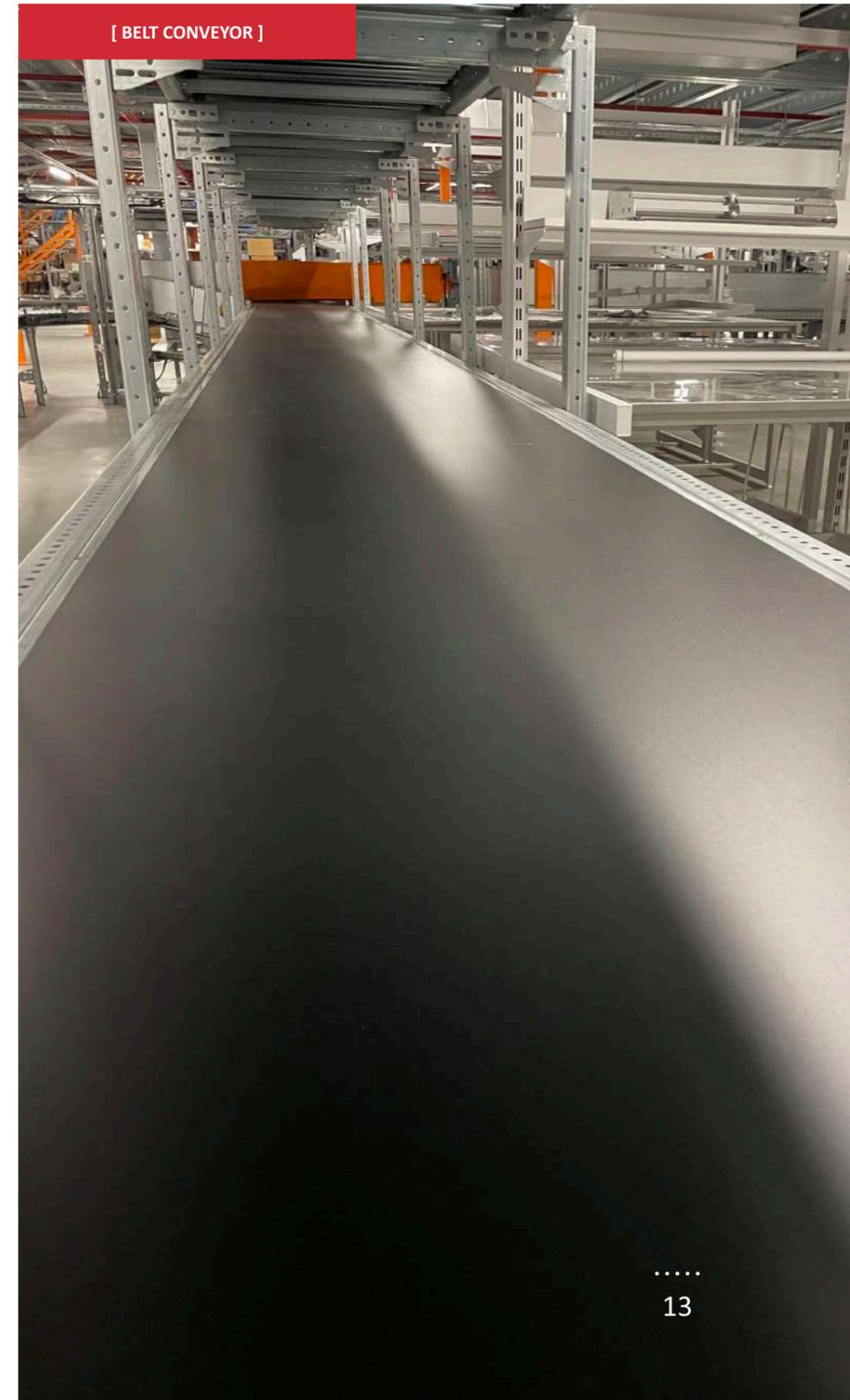
[DRIVEN CONVEYOR]



[PALLET CONVEYOR]



[NON-DRIVEN CONVEYOR]



[BELT CONVEYOR]

DRIVEN ROLLER CONVEYOR

OUR ADVANCED ROLLER CONVEYOR OFFERS SIGNIFICANT ADDED VALUE TO OUR AUTOMATION SYSTEMS:



INTEGRITY OF THE TRANSPORTED GOODS

The ZPA logic which is integrated into the conveyor, maintains the distance between the transport goods when the transport movement stops. This prevents collisions and product damage. With the new generation of PulseRoller rollers and ConveyLinx controls, the line speed can also be continuously increased or reduced.



LOW ENERGY CONSUMPTION

The synchronisation of logical zones and the use of 24V DC motors ensure that the transport goods are conveyed with the lowest possible energy input.



EFFICIENT USE OF THE CONVEYOR LINE

By dividing the conveyor line into logical zones, the conveyor line is used efficiently.



MODULARITY

Each logical zone is equipped with its own control. The replacement of a damaged control unit can be carried out by any employee in a very short time, even when the system is in full operation.

TECHNICAL DATA



KAPELOU®



225x225x50 mm,
600x400x400 mm



0,1-2 m/s



75/100/125 mm



2,5-35 kg



487/687/887 mm

- High speed combined with gentle goods transport
- Integration with other warehouse equipment
- Low maintenance costs





NON-DRIVEN ROLLER CONVEYOR

TECHNICAL DATA

-  KAPELOU®
 -  manual operation
 -  0,1~35 kg
 -  180x180x10 mm, 600x400x400 mm
- Reliable design
 - Quick assembly
 - Fast installation and maintenance due to modular design

DRIVEN ROLLER CONVEYOR MERGER



The infeed is a driven roller conveyor and is used to connect several conveyor sections. It can be used for both infeed and outfeed. Different connection angles are possible according to the required layout. The module used for infeed can be placed 2 to 5 mm higher to ensure smooth conveyor operation. This module is coordinated with the other roller conveyors to ensure the best possible interaction and maximum throughput.

TECHNICAL DATA

-  KAPELOU®
-  50 kg/m
-  180x180x10 mm
-  487/687/887 mm
-  up to 1 m/s
-  30/45/90°

FOLDING SECTION

Some areas in the warehouse are completely enclosed by conveyor lines. In order to still guarantee access, the conveyor line must be interrupted. For this purpose folding elements are used.

The folding element is a driven roller conveyor that can be folded up manually.

The lifting of the folding element is supported by gas pressure springs. This means that less force is required when opening and additional damping is available when closing.



DRIVEN ROLLER CONVEYOR CURVE



The curve of the driven roller conveyor is used to implement changes in direction in the conveyor sections.

Conical rollers ensure perfect alignment of the transport goods in the curve movement.

With the help of the curve elements, direction changes of up to 180° are possible without reducing the transport speed or affecting the overall flow of the system. Individual modules are available in angles from 30° to 90°.

TECHNICAL DATA

 KAPELOU®	 75/100/125 mm
 50 kg/m	 487/687/887 mm
 up to 1 m/s	

TECHNICAL DATA

 KAPELOU®	 50 kg/m
 75/100/125 mm	 487/687/887 mm
 up to 1 m/s	 30/45/90°

SVIWHEEL DIVERTER



The Sviwheel diverter is used to change the direction of movement of transport goods at diverter points. The roller conveyors move the transport goods in one direction only. The side-by-side wheels of the Sviwheel diverter can change their orientation by up to $\pm 45^\circ$. If one or more rollers in the roller conveyor are replaced by these wheels, a change of direction of the transport goods can be realised.

The Sviwheel diverter fits perfectly into an overall system of driven roller conveyors. It is operated purely electrically. Two motorised rollers are used as the drive. No pneumatic connection is necessary. Retrofitting into an existing system is usually possible without any problems.

TECHNICAL DATA

 KAPELOU®	 3,000 pph
 wheels	 35 kg/m

HIGH SPEED DIVERTER



The Fast Speed diverter is used to change the direction of movement of transport goods at diverter points. The roller conveyors move the transport goods in one direction only.

The side-by-side wheels of the Fast Speed diverter can change their orientation by up to $\pm 45^\circ$. If one or more rollers in the roller conveyor are replaced by this module, a change of direction of the transport goods can be realised.

The Fast Speed diverter fits perfectly into an overall system of driven roller conveyors. It is operated purely electrically. No pneumatic connection is necessary. Retrofitting into an existing system is usually possible without any problems.

TECHNICAL DATA

 Tbc	 6,000 pph
 wheels	 50 kg/m

BELT DIVERTER



With the help of the belt diverter, goods can be conveyed in three different directions at one point in the entire system: Straight ahead, to the right and to the left. If transport “straight ahead” is desired, the goods pass the diverter without any further action.

If “to the right” or “to the left” diverting is desired, the goods to be transported are lifted by belts lying across the roller transport direction and moved accordingly.

The belt diverter is operated with 24V DC motors and driven by a motor roller. No pneumatic connection is necessary.

TECHNICAL DATA



Kyowa



1,200 pph



50 kg/m

STRIP BELT MERGER



This module is used for the infeed of transport goods on straight conveyor sections. The corresponding connection angle is 45°. This connection angle is realised by using narrow belts of different lengths.

This design enables an efficient and cost-effective module that ensures high throughput, reliability and trouble-free operation.

TECHNICAL DATA



KAPELOU®



50 kg/m



up to 1 m/s



500/600/800 mm

VERTICAL CONVEYOR

Compact, low-noise and reliable conveyor for transporting goods between levels.

The modular design enables integration into the warehouse environment and ensures high throughput capacity.

TECHNICAL DATA



KAPELOU®



min 225x225x50 mm,
max 800x600x600 mm



3 m/s



up to 13 m



up to 640 cycles/h



50 kg



BELT CONVEYOR

The belt conveyor is used to transport goods that cannot be safely conveyed on a roller conveyor, such as bulk goods, letters or polybags.

With the belt conveyor, production sections in a warehouse can be easily connected and the following tasks can be solved:

- Transport of goods with different sizes and packaging;
- Transportation of goods with uneven surfaces;
- Transport of goods between different levels.

TECHNICAL DATA



KAPELOU®



0,1-3 m/s



50 kg



5x5x5 mm,
1,000x1,000x800 mm



up to 3,600 pph



487/687/887 mm

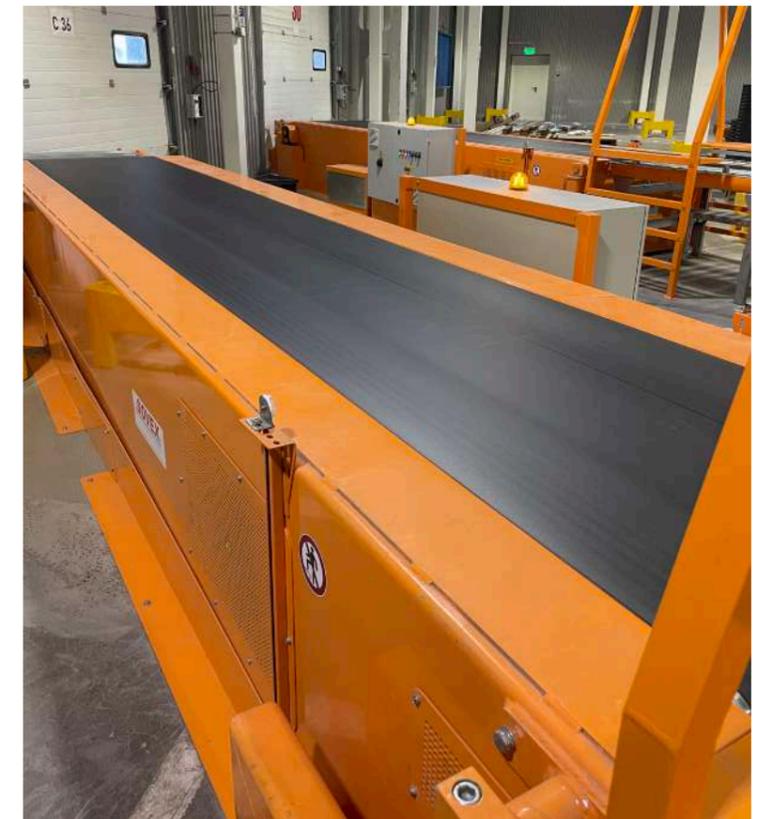
- High speed combined with gentle cargo transport
- Low maintenance costs
- Integration with other systems
- Intended goods: Cartons, totes, boxes, etc.

TELESCOPIC CONVEYOR

The telescopic conveyor is used for loading and unloading vehicles. The goods to be transported are placed directly in the loading space on the conveyor belt or removed from it.

Due to its variable length, the telescopic conveyor can extend into the loading space of the truck for loading or unloading. In this way, the employee can feed the goods directly into the conveyor system without having to walk any further.

The telescopic conveyor can be used stationary as part of a conveyor system or as a mobile unit.



TECHNICAL DATA



Tbc



50 kg/m



up to 0,5 m/s



800 mm



6,000 mm - 22,500 mm



BELT CONVEYOR CURVE



The curve of the belt conveyor is used to implement changes in the direction of the conveyor sections.

With the help of the curve elements, direction changes of up to 180° are possible without reducing the transport speed or affecting the overall flow of the system.

The curved element of the belt conveyor is multifunctional and robustly designed with a maximum load capacity of up to 50 kg. Boxes and containers, but also unpackaged transport goods, can be conveyed.

TECHNICAL DATA



Transnorm



50 kg/m



up to 2 m/s



500/600/800 mm

SPIRAL CONVEYOR



This conveyor is used for constant transport or for intermediate storage of transport goods. The transport of boxes, packages or even unpacked goods is possible.

This module can be used as a stand-alone component with its own control or integrated as part of an overall system. The parallel arrangement of several of these modules is also possible.

Quiet operation, minimal maintenance requirements and the small footprint make this conveyor perfect.

TECHNICAL DATA



Ambaflex



3,000 pph



up to 1 m/s



50 kg/m

PALLET CONVEYOR

The pallet conveyor is used to transport pallets and heavy goods.

Its design corresponds to that of a classic roller conveyor. It consists of a mix of driven and non-driven rollers. These are connected to each other. This ensures zone-based operation.

A chain transmits the power between the individual rollers. The different zones are delimited with the help of sensors.

The functionality of zero pressure accumulation conveying can be easily implemented with the help of these modules.



TURNTABLE WITH ROLLER CONVEYOR



The turntable for pallets is necessary to realise a change of direction in the pallet conveyor without changing the orientation of the pallet.

The turntable can move to any position in a total angle of 270 degrees. Pallets weighing up to 1,500 kg can be conveyed.

This module includes a soft start by frequency-controlled drives. The frequency controller is already integrated. Control can be decentralised as connections via data bus and other logical links are possible.

TECHNICAL DATA

-  KAPELOU®
-  up to 0,3 m/s
-  up to 1,500 kg/m
-  600x800 mm,
800x1,200 mm
-  High performance
-  Frequency-controlled drives for soft starting
-  Low maintenance costs
-  Service life over 10 years

TECHNICAL DATA

-  Tbc
-  up to 0,5 m/s
-  1,040 mm
-  1,850 mm
-  up to 1,500 kg
-  up to 200 pph

CHAIN CONVEYOR FOR PALLETS



The chain conveyor moves pallets with the help of two pull chains. These are guided parallel in the conveyor and driven by a gear motor.

The pallet is placed directly on the chains and conveyed by their movement.

The design of this conveyor can be adapted to the needs of the overall system.



TECHNICAL DATA



KAPELOU®



up to 1,500 kg



1,110 mm



up to 0,3 m/s

PALLET TRANSFER UNIT



The pallet transfer unit is necessary to realise a change of direction in the pallet conveyor, whereby the orientation of the pallet changes.

The transfer takes place at a 90 degree angle from a roller conveyor to a chain conveyor.

Pallets weighing up to 1,500 kg can be conveyed.

IN-/OUTFEED MODULE FOR PALLETS



TECHNICAL DATA



Tbc



150 mm



up to 0,2 m/s



1,250 mm



76 mm

TECHNICAL DATA



KAPELOU®



up to 1,500 kg



up to 0,3 m/s



800x1,200 mm,
1,200x1,200 mm

This module is used for loading or unloading the conveyor system with pallets. For example, pallets can be placed on or removed from the conveyor by a lift truck.

If pallets are unloaded from trucks in the delivery area of a warehouse and these have to be placed on the conveyor system, this module is necessary.

Also at the end of the conveyor system, the provided pallets have to be removed from the conveyor system in order to be loaded further.

CARGOLIFT



The car of this freight lift is guided in a stable metal frame and is connected to the drive unit via a wire rope. Access to the car is via doors, which can be located either on the front or rear side.

Due to its small footprint, minimal maintenance requirements, long service life and, last but not least, the fact that it can be perfectly integrated into an overall system, this lift is an ideal choice.

Extremely quiet operation and high performance - throughput capacity of up to 60 pallets per hour.

TECHNICAL DATA



Gebhardt



up to 0,18 m/s

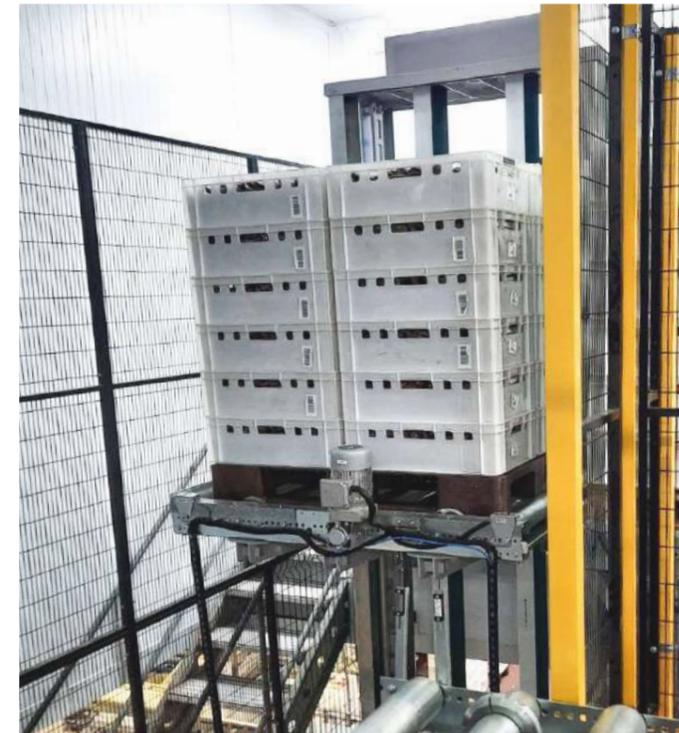


60 pph



up to 2,000 kg

VERTICAL PALLET CONVEYOR



Vertical conveyors are used for conveying pallets to multi-level platforms and mezzanines. The pallets can thus be handled on several levels.

This vertical conveyor has a solid, durable construction and is suitable for lifting pallets weighing up to 1,200 kg.

The KAPELOU vertical conveyor is a suitable solution to reduce the transport time between the different levels, increase the productivity of the warehouse and facilitate the work of the employees.

TECHNICAL DATA



KAPELOU®



1,200x800 mm,
1,200x1,200 mm



60 pph



up to 1,200 kg



up to 0,3 m/s



PICK BY LIGHT

KAPELOU CREATES SOLUTIONS BASED ON PBL

- **PUT-TO-SORT** > 10,000 buttons
- **PACK-BY-LIGHT** > 5,000 buttons
- **PBL/PTL** > 68,000 buttons

TECHNICAL DATA

-  Paperless picking process
-  Increasing productivity in order picking
-  Accuracy of order processing
-  Easy to use
-  Optimisation of order processing

SORTING SYSTEMS

Automated sorting systems speed up the processing of a wide range of goods and packages of different sizes, shapes and weights.

The sorting systems minimise the need for manual processes, speed up the sorting process and reduce the error rate.

TECHNICAL DATA

-  2 m/s
-  0,1-35 kg
-  150*200 mm, 600*800 mm
-  up to 15,000 pph
- Drive technology with low energy consumption
- Low noise level – less than 70 dB
- Fast disassembly and maintenance due to modular of construction



IDENTIFICATION SYSTEMS

MACHINE VISION SYSTEMS ARE BASED ON ARTIFICIAL INTELLIGENCE, WHICH ENABLES, AMONG OTHER THINGS, THE FOLLOWING:

- 1 Even damaged barcodes or poor quality labels can be read
- 2 Barcodes on all sides of the box can be read
- 3 Product and packaging condition can be detected

A load with defective labels or damaged goods is forwarded to the special "error zone".



BARCODE SCANNER



This system is used to read barcodes.

Based on SMART620 code reconstruction technology, even damaged or partially obscured barcodes are recognised.

The perfect scanning properties are ensured by a high scanning frequency. A high process speed and an uninterrupted process flow are guaranteed.

In addition, this high-performance scanner has an integrated web server that can be used for data evaluation. Remote diagnosis is also possible in order to solve possible faults remotely.

The extremely compact design allows this system to be integrated even in confined spaces. Programming and integration into any conveyor system is possible without any problems.

TECHNICAL DATA



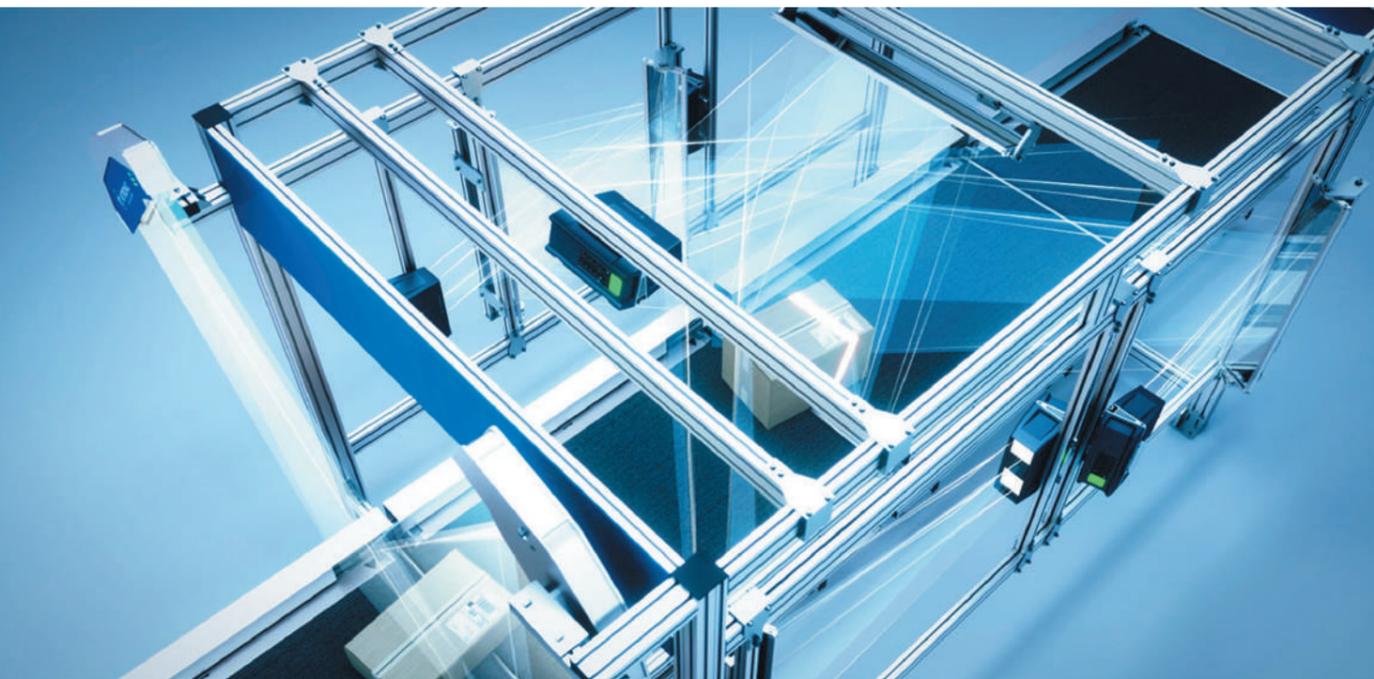
KAPELOU / SICK



Linear image scanner

BARCODE TYPE: ALL BASIC TYPES

- Code 39
- Code 128
- Code 93
- Codabar
- GS1-128 / EAN 128
- EAN 8
- UPC / GTIN / EAN
- 2/5 Interleaved
- Pharmacode
- GS1 DataBar
- Telepen
- MSI/Plessey



VOLUME MEASURING SYSTEM

This system also ensures the measurement of translucent and very dark objects.

The measurement characteristics are very reliable due to the use of receiver and transmitter modules. The obtained measurement data can be used for billing purposes, for example.

Mechanically, this system is characterised by a standardised module design. This means that the system can be used and can be easily integrated into overall systems.

TECHNICAL DATA



KAPELOU / SICK



0,2 - 2 m/s



50x50x10 mm
2,600 x 1,000 x 1,000 mm



200 mm



5x5x2,5 mm (up to 1m/s),
5x5x5 mm (up to 2m/s)

AUTOMATIC MEASURING SYSTEMS FOR WEIGHT AND DIMENSIONS

TECHNICAL DATA



up to 2 m/s



up to $\pm 5 \times \pm 5 \times \pm 5$ mm



up to 100 gr

- Dynamic measurement of length, width, height and weight

- Modularity

The automatic measuring system works dynamically. At a speed of up to 2 m/s, the length, width, height and weight of the object are determined.

The information obtained is transmitted in real time to the central warehouse management system.



WEIGHING MODULES



The weighing module is a part of the roller conveyor product group.

With the help of this module, the weight of transport goods can be determined. For example, it can be detected whether all required products are present in a box.

The WMS provides information on how heavy a box may or must be. If the expected weight does not match the measured weight, the corresponding box can be discharged for inspection.

This safety check can reduce the error rate in order picking to almost zero.



This weighing module comes from BIZERBA. It can be integrated into all systems consisting of roller or belt conveyors. Integration into any automation concept is possible without any problems.

It is used for completeness and quality checks, sorting applications and product identification.

TECHNICAL DATA



KAPELOU®



up to 1 m/s



2,5 - 35 kg



±100 g

- Weighing method: With stop for stabilisation
- Protection class of the sensor: IP67
- Working temperature: 5 to 40° C
- Operating humidity: 10 to 70%
- Material of the sensor: Aluminium

TECHNICAL DATA



Bizerba



up to 60 kg



up to 1 m/s



+/- 20 g

WEIGHING MODULE FOR PALLETS

This weighing module is suitable for determining the weight of pallets. Equipped with overload stops to protect the sensors and an enclosure in stainless steel, this module is designed to be extremely robust.

The weighing results can be printed out or processed electronically. Testing and calibration is possible without a test weight.

Optionally, the system can be equipped with drive-on ramps.

TECHNICAL DATA



Tbc

■ Hazard approval: ATEX Cat. 2GD



1,500 kg

■ Material: Stainless steel



100 g

■ Protection class: IP68

■ Platform type: Floor scale

■ Interface: Analog; IDNet



1,500x1,250 mm





KAPELOU OFFERS ROBOT SOLUTIONS

ROBOTICS SOLUTIONS

SPEEDBOT

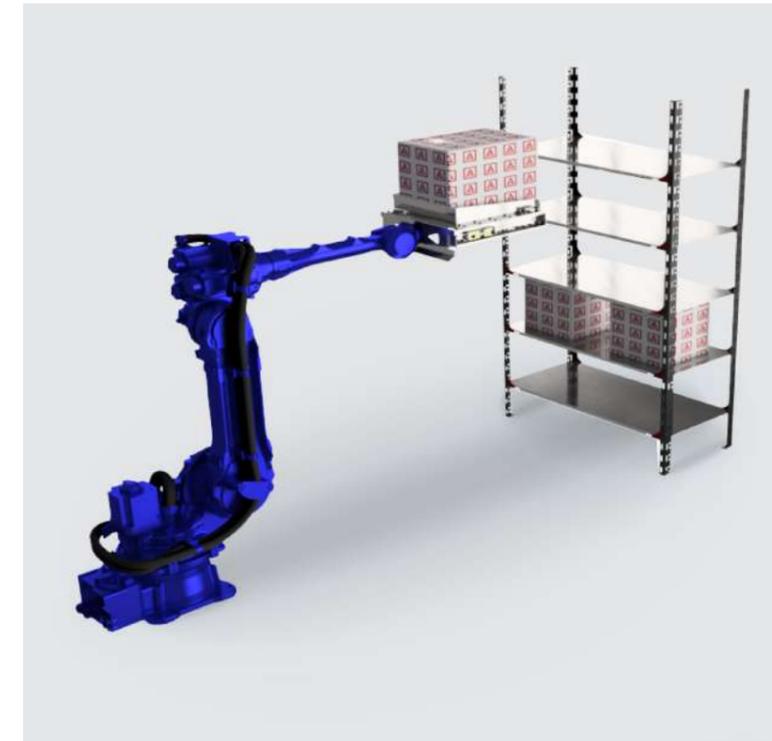
Speedbot efficiently handles the sorting of parcels according to customer orders or shipping directions.

Works with any type of packaging, places parcels quickly from the conveyor belt into the required cells. Integrates easily with the warehouse management system, consumes little power.

 up to 1,000 pcs

 400x400x600 mm

- Soft packaging, trays, plastic boxes and cartons



ROBOTICS



■ In our projects to speed up the process of palletising and depalletising we use robots from the Japanese company Yaskawa.

We ensure a competitive edge for our customers by offering a unique concept based on advanced solutions in automation, robotics and the most modern logistics model.

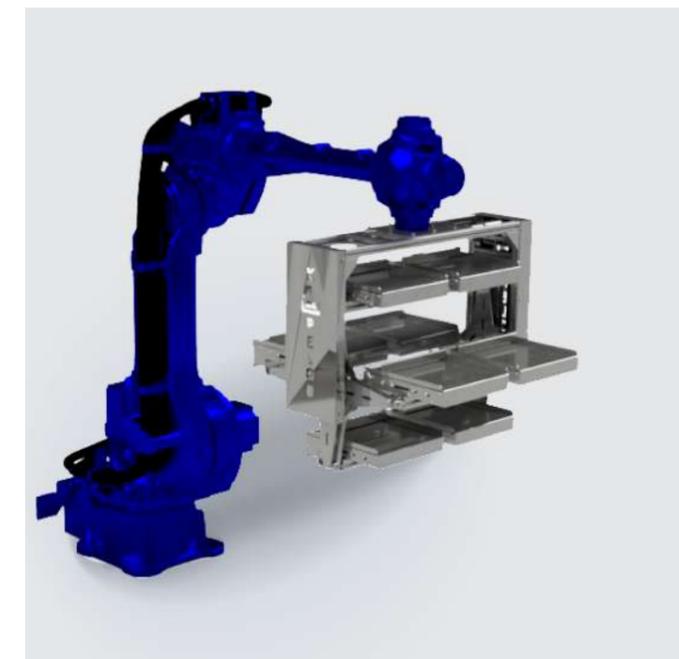
500,000
Yaskawa robots installed worldwide

Load capacity
0,5 to 2,300 kg

High-speed
up to 710
cycles/hour

Optimised
energy consumption

Reliability
99.99%



ROBOSORT

The four-tier gripper for automatic sorting is designed to reduce picking time by a factor of eight, ensuring high productivity by handling over 3,600 items per hour. Additionally, it aids in processing multi-orders.

 up to 3,600 pcs

 8 s

 8 shelves

- x8 productivity

AS/RS GNOM®

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

It eliminates the need for additional picking stations, increases picking accuracy and reduces the number of employees. Compared to manual picking, automated solutions increase efficiency by 2-3 times.



TECHNICAL DATA

 KAPELOU®

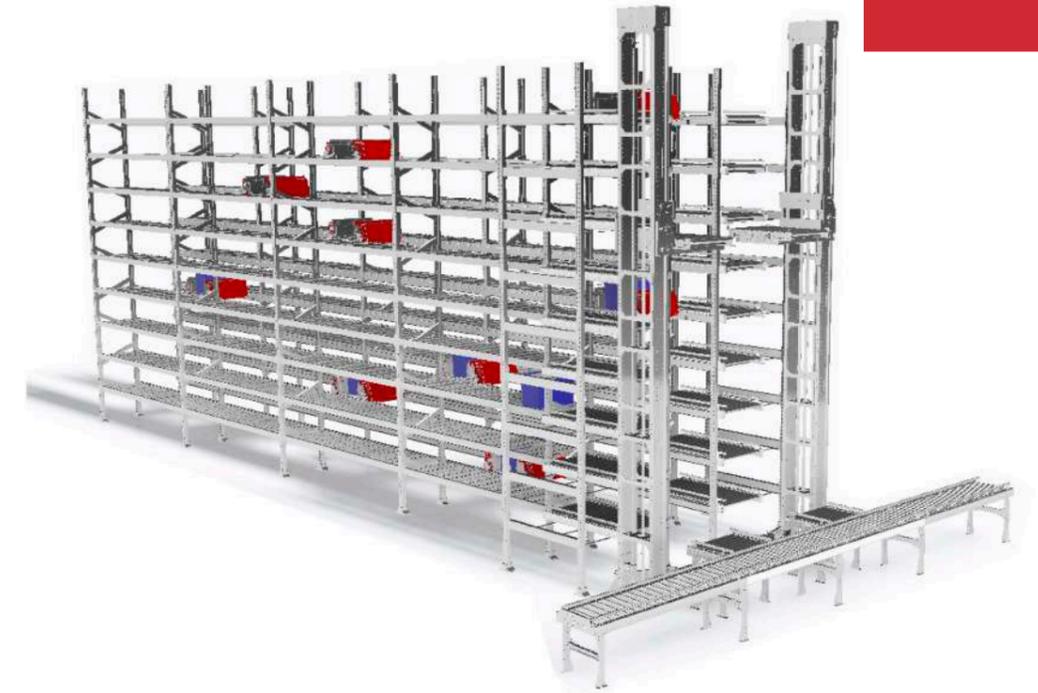
 up to 30 kg

 1 m/s

 90°

 400x220x600 mm

 0,4 – 1,5 m



SHUTTLE SYSTEM

THE KAPELOU SHUTTLE SYSTEM offers high performance in storage, picking, buffer storage and order wave generation.

THE SHUTTLE SYSTEM INCLUDES:

- Scalable shelves
- Shuttles
- Protection and monitoring system
- Customized software
- Elevators

TECHNICAL DATA

 3 m/s fully loaded

■ Goods-to-Person Technology

 up to 30 kg

■ Maximized storage density

 600x400x400 mm

■ Modular and flexible system

 700 pph

■ Energy efficiency and cost effectiveness

OUR MODULAR PRODUCTS ALLOW THE DEVELOPMENT OF AUTOMATED SYSTEMS THAT TAKE INTO ACCOUNT THE CHARACTERISTICS AND NEEDS OF EACH WAREHOUSE

UNITHUB



Unithub® is a space-saving, automated storage system based on a 3D measurement system and dynamic shelves.

Unithub® can be equipped with climate control to store temperature-critical food, medicines and other goods.

As part of a microfulfillment solution, Unithub® is suitable for the pharmaceutical industry, e-commerce, distribution centers, the automotive industry, retail, manufacturing facilities and warehouses, as well as for postal and courier services.

ADVANTAGES FOR THE END CUSTOMER:

- Fast pickup of packages
- User-friendly interface
- Possibility of sending parcels
- 24/7 service



Scan to get more information

TECHNICAL DATA

 KAPELOU®	 30 kg
 up to 400 boxes	 indoor/outdoor
 600x400 mm	 2-8°C 8-15°C 15-25°C
 dynamic	 Cartons, plastic trays, containers, bottles and more

A-FRAME



TECHNICAL DATA

-  KAPELOU®
-  45x40x60 mm,
160x85x190 mm
-  up to 3,000 orders/h
-  up to 5 pph
-  up to 15 kg

A-Frame is a picking system that dispenses products from upright chutes into totes, cartons, or onto a conveyor located beneath the system.

The modularity of the system also allows for vertical channel expansion. The basic model consists of 24 channels, 12 on each side.

The A-Frame system allows picking through different solutions: Pick-to-Belt, Pick-to-Tote, Pick-to-Bucket and Pick-to-Carton. It can be used at any point of the picking process.

SMARTPHARMALOCKER



The **SmartPharmaLocker** is a storage box for pharmaceuticals. It serves as a storage location for orders that are collected in the delivery warehouse and delivered to the pharmacy.

It is therefore possible to pick up the medicines at any time, even outside the pharmacy's opening hours.



TECHNICAL DATA

-  KAPELOU®
-  125 cm
-  82 cm
-  Order and receive
via app

MAIN ADVANTAGES OF THE SOLUTION

- 24/7 service
- Temperature controlled
- Increasing the efficiency of the pharmacy

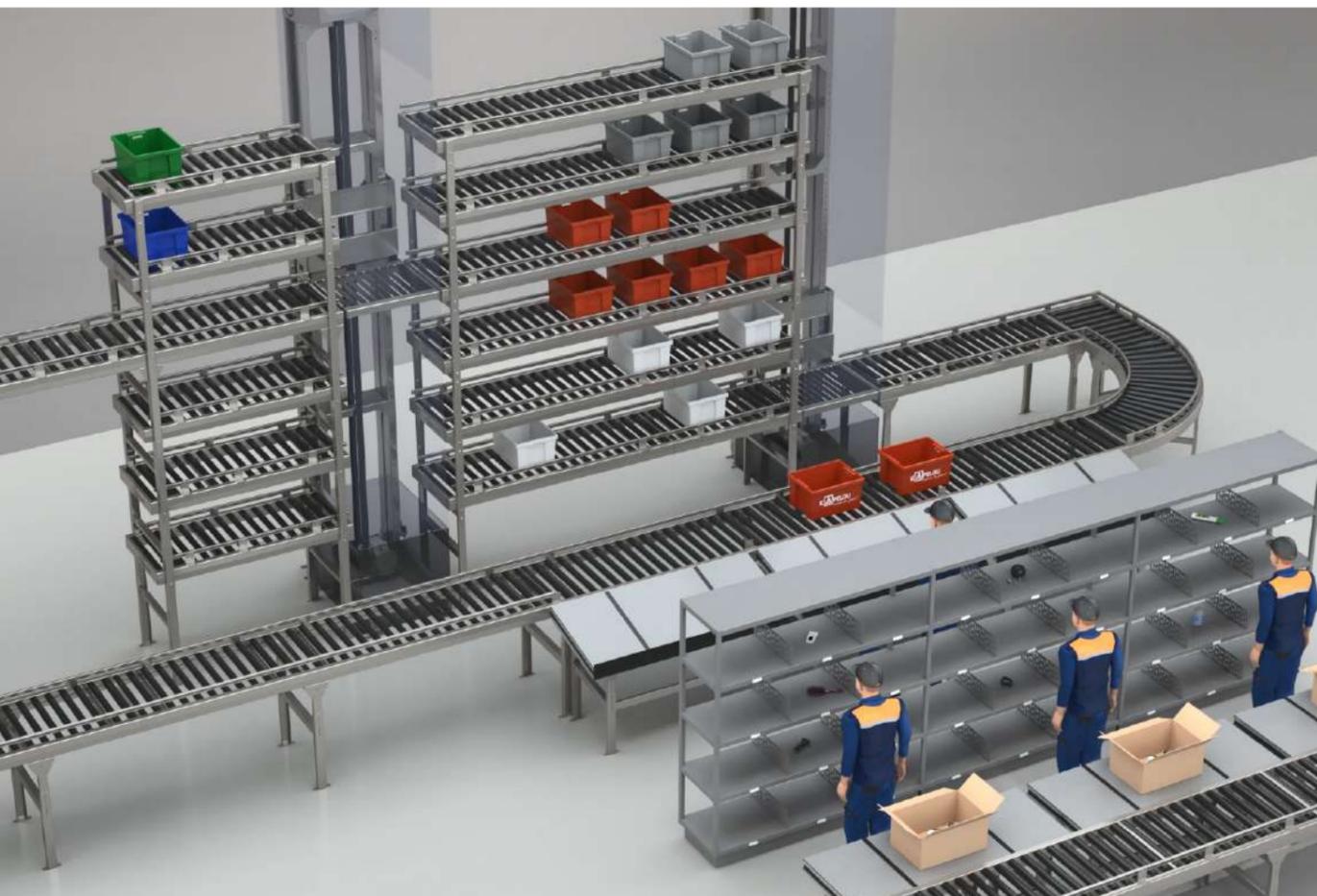
BUFFER SEQUENCER

Buffer sequencer is warehouse solutions based on conveyor equipment. Generates waves of orders according to the specified criterion.

The buffer sequencer implements the “goods-to-person” principle. The main advantage of this system is that the employee’s work path is shortened, which saves a lot of time. Employees stay at their assigned positions while the products for each order are delivered to the picking station by conveyor.

“Goods-to-Person” (G2P) is a modern method of order fulfillment that combines automated storage and picking. Goods are temporarily stored in a buffer system and automatically transported to the employee.

The KAPELOU buffer sequencer enables a better coordinated processing of orders in the shortest possible time.



TECHNICAL DATA



KAPELOU®



from 2 to 16 tiers

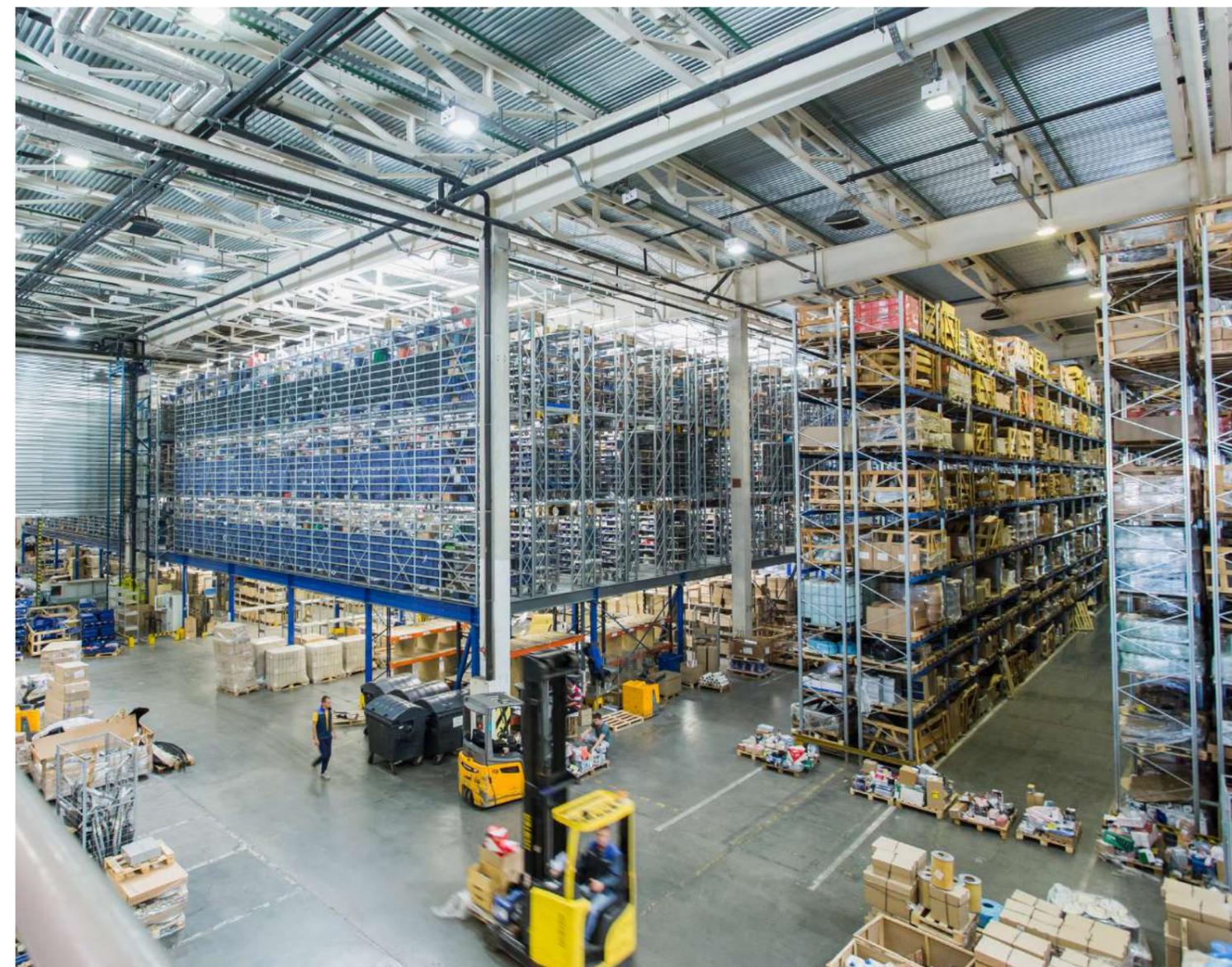
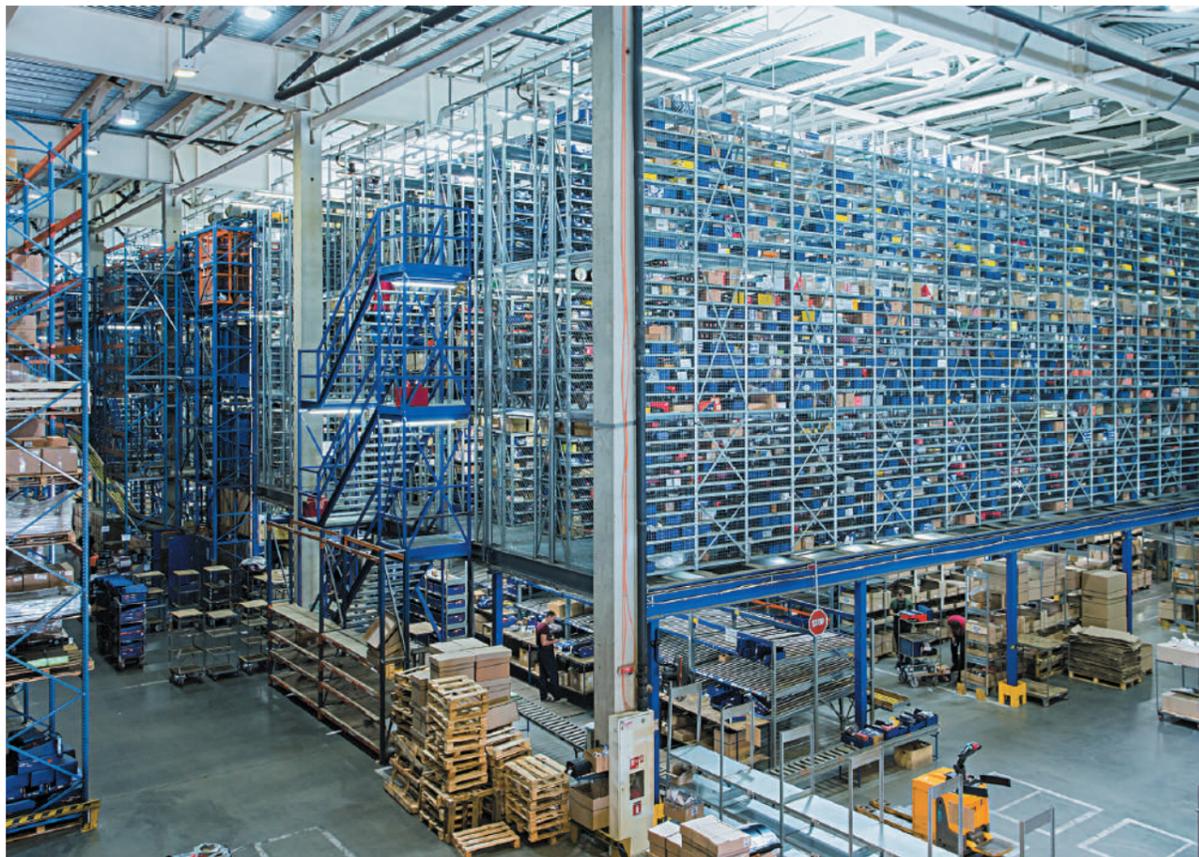


600 pph (with 4 tiers)



up to 800 mm

WAREHOUSE PLATFORMS AND MEZZANINES, RACKING SYSTEMS



The changing market and increasing space requirements are forcing companies to realise better space utilisation and achieve higher throughputs.

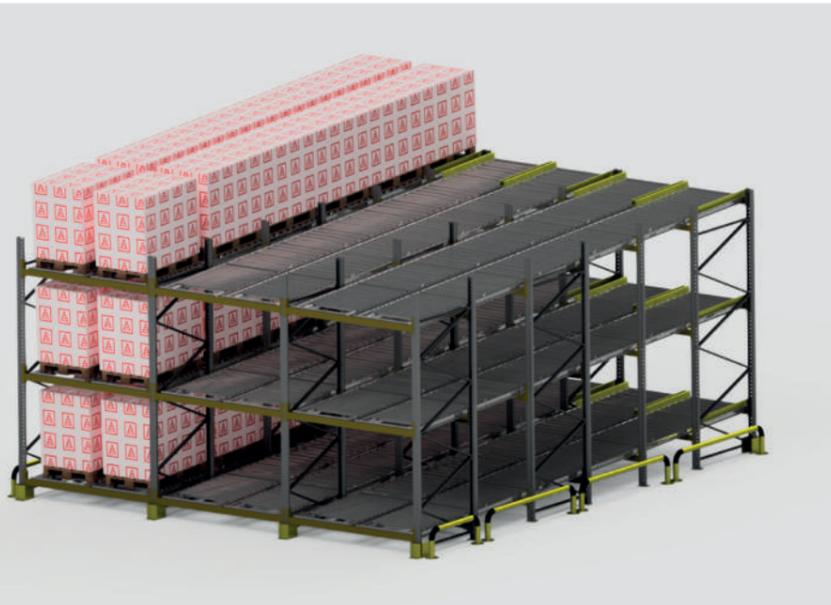
The optimisation of storage space and the automation of processes, enables an increase in throughput as well as a reduction in labour costs.

Discover KAPELOU's cutting-edge mezzanine and platform solutions, meticulously designed, produced, and installed according to European standards. Elevate your warehouse efficiency with our reliable turnkey solutions, ensuring the maximisation of your storage space.

KAPELOU SUPPLIES ALL TYPES OF RACKING SYSTEMS AND MULTI-STOREY MEZZANINES

- Shelving systems
- Pallet racking
- Cantilever racks
- Flow racks
- Mobile and archive storage shelving
- Mezzanine floors
- Platforms
- AS/RS

PALLET FLOW RACK



Thanks to the flexibility of this system, each solution can be adapted and scaled to the needs of your warehouse.

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

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

- FIFO - principle
- 1 time per year - min. maintenance



Loading section

Intermediate section

Unloading section for pallet jack

TECHNICAL DATA



KAPELOU®



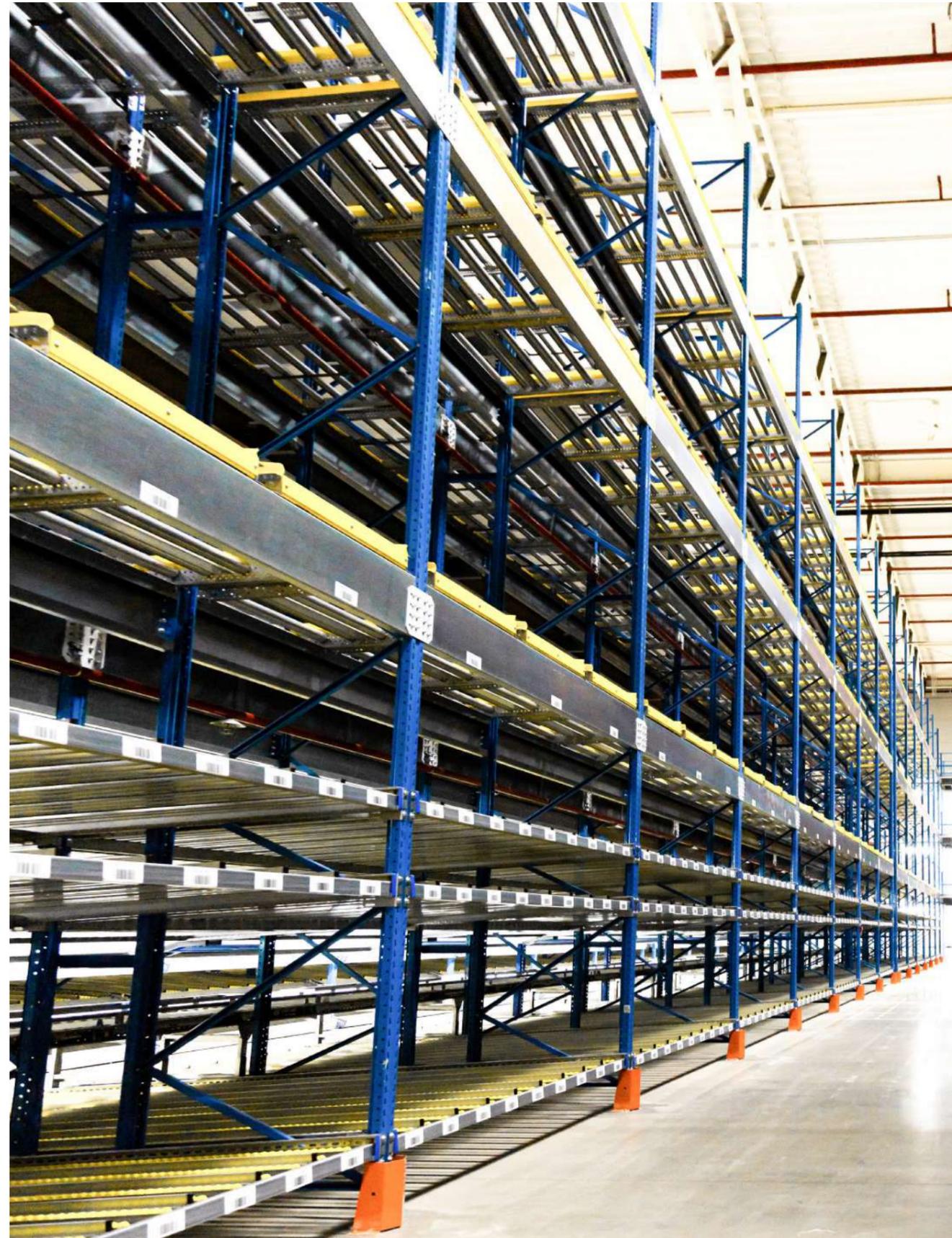
up to 1,500 kg



15 pallets



800x1,000x1,200 mm,
1,200x1,200x1,200 mm



WITH KAPELOU YOU GET EVERYTHING FROM ONE SOURCE - BEST SOLUTIONS AND RELIABLE SERVICE

SERVICE

Because we understand the specifics of your business operations, we provide the service support that meets your individual needs and tasks.

KAPELOU support service is available to you around the clock. The service technicians can also access the system remotely via a VPN connection.



SERVICE SUPPORT



Remote connection (VPN)



24/7 tech support



Free warranty service within 1 year

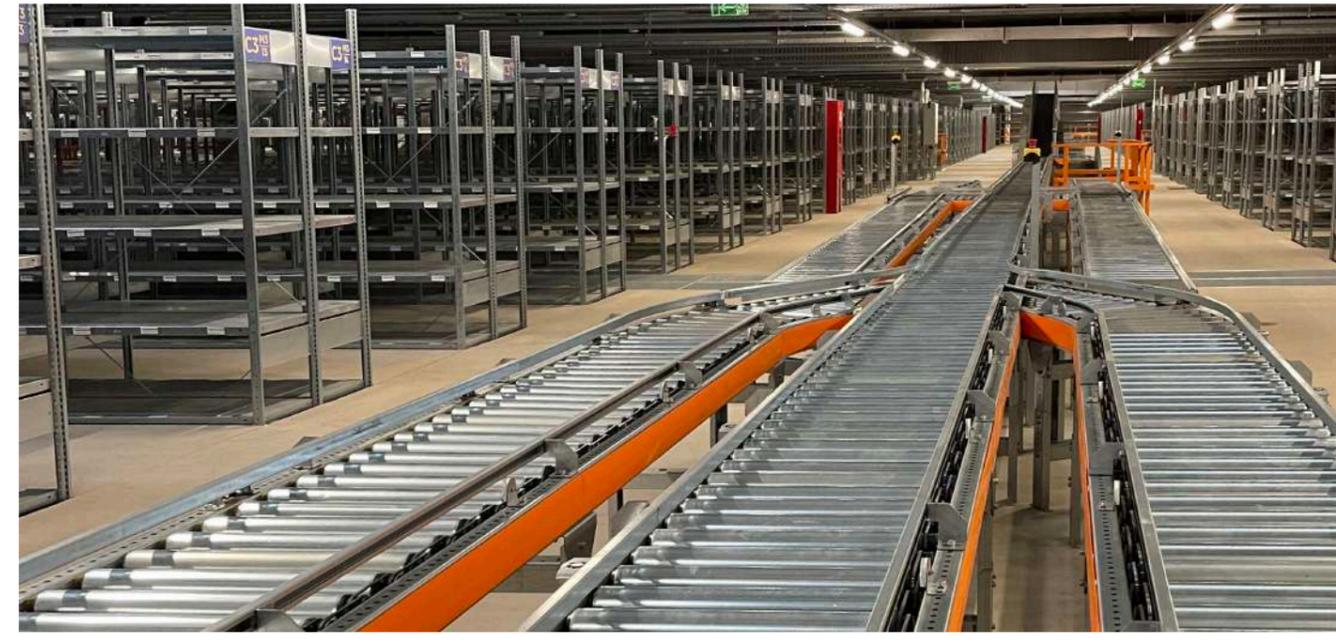
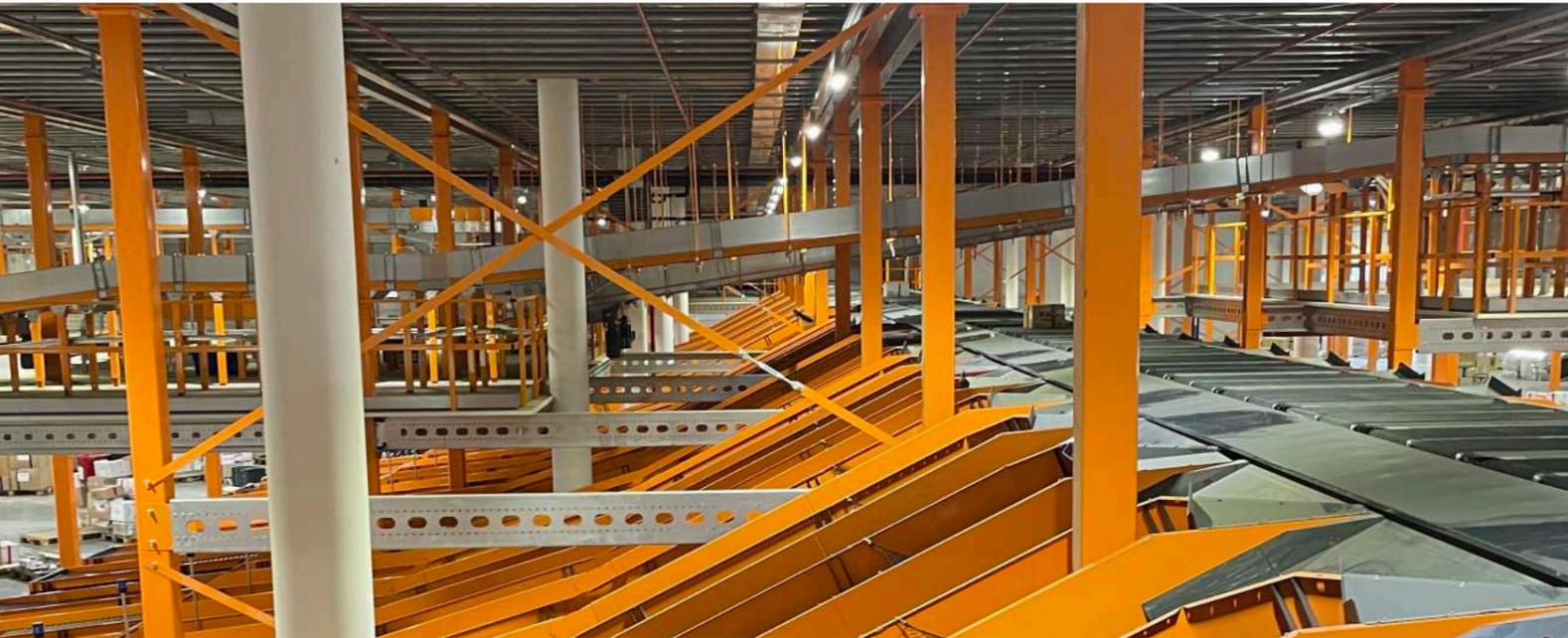


System instruction



Service & maintenance

PROJECTS



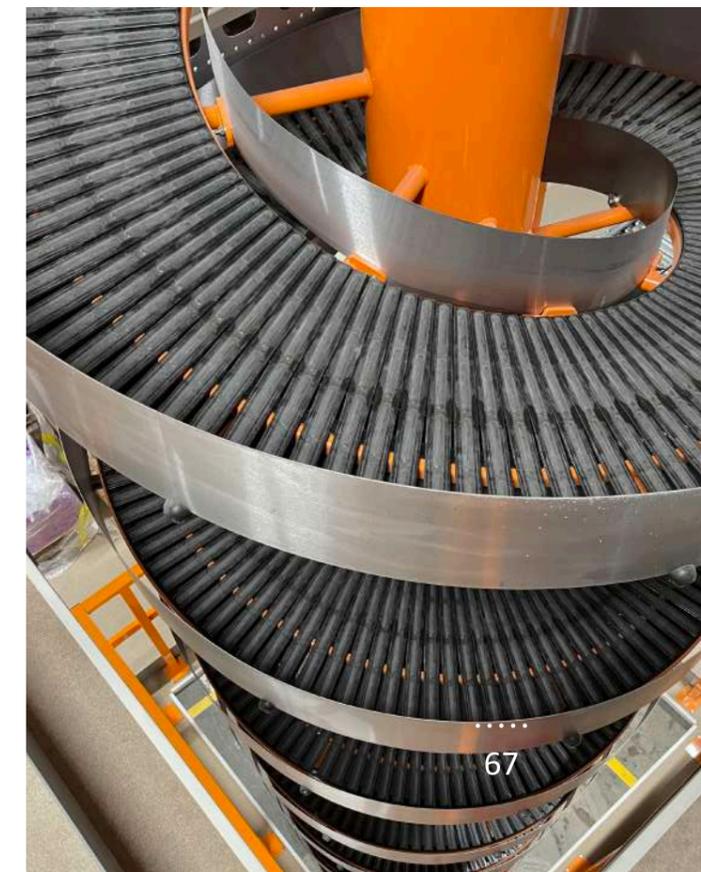
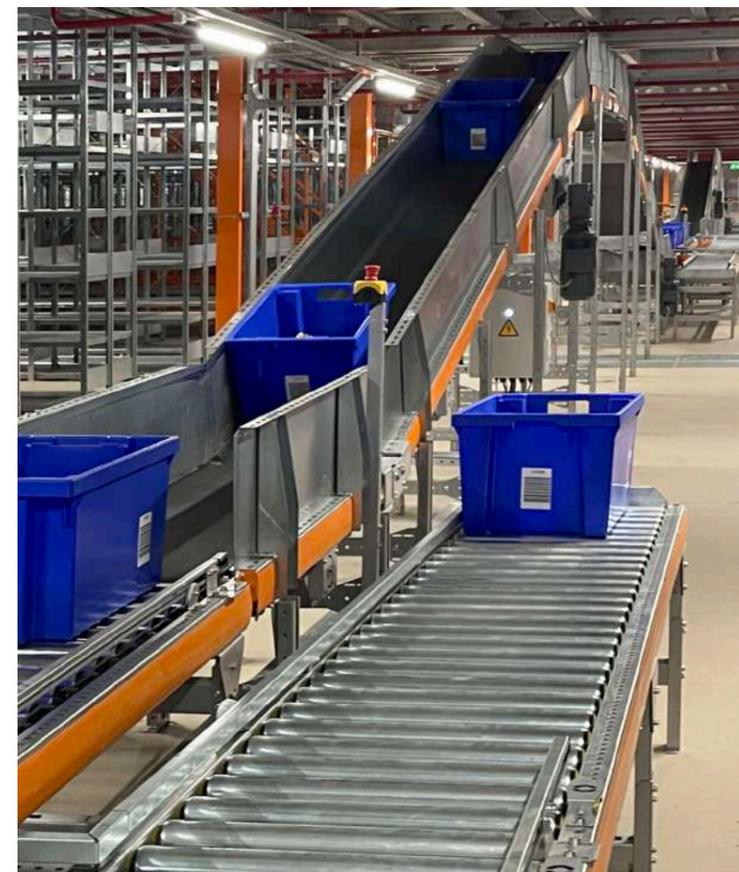
ABOUT THE COMPANY

A network of shopping centers in Ukraine, specialising in the retail of building household appliances.

400,000 SKU

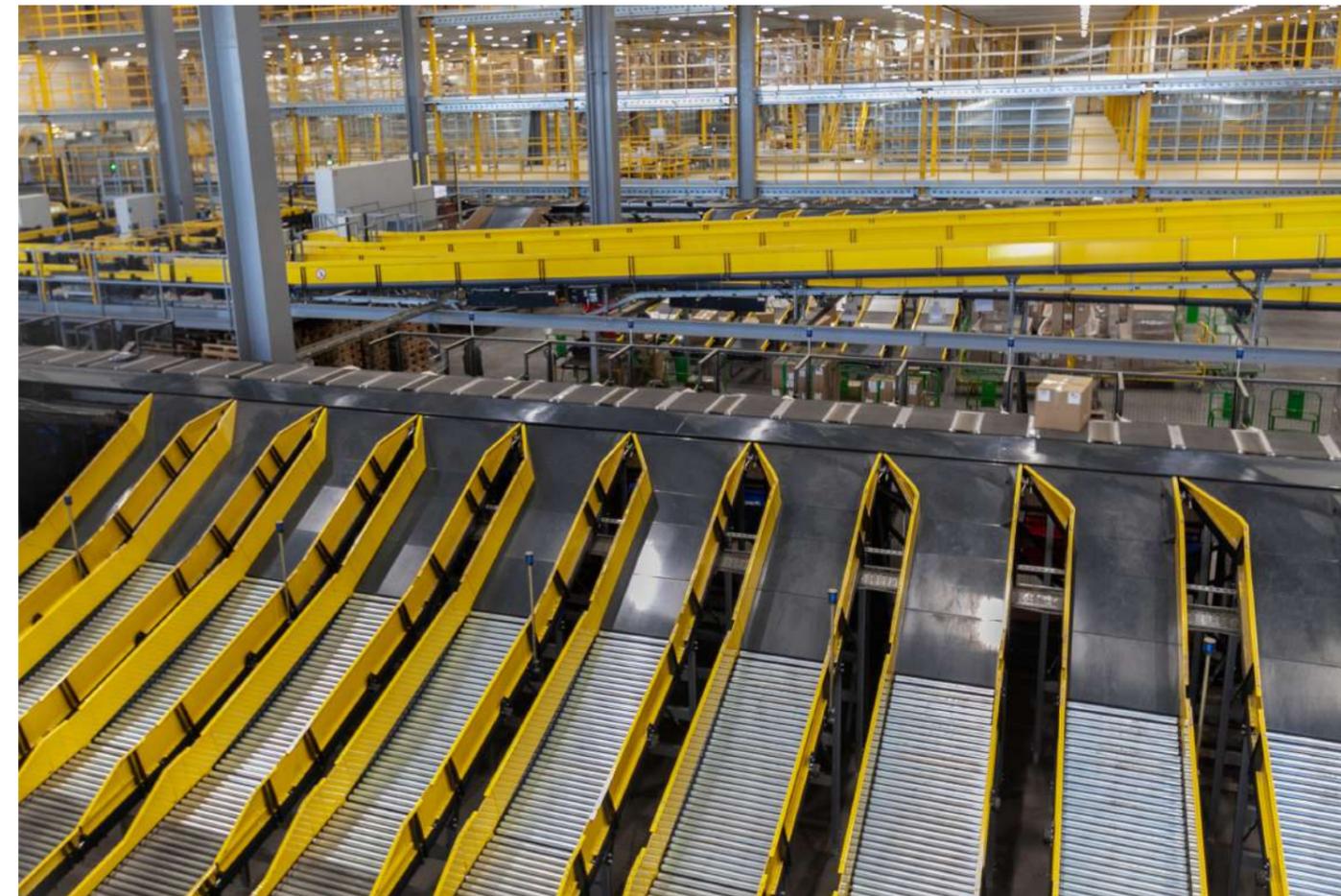
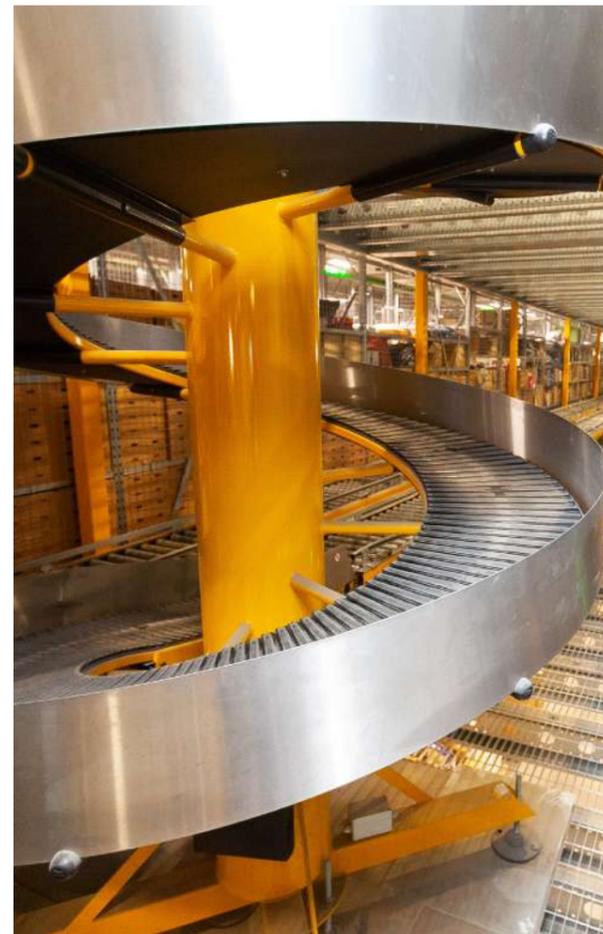
KEY COMPONENTS OF THE SOLUTION:

- Two-level mezzanine
- Belt conveyor Kapelou
- Driven roller conveyor Kapelou
- Non-driven roller conveyor Kapelou
- Telescopic conveyor
- High-speed vertical conveyor Kapelou
- Diverters
- Vertical conveyor
- Spiral conveyor
- Automatic weight measurement system
- Integration with WMS – Qguar





[E-COMMERCE]
[MARKETPLACE]



ABOUT THE COMPANY

Ukraine`s largest e-commerce company – 43% market share.

100k shipments/day

2M SKU

KEY COMPONENTS OF THE SOLUTION:

- Platform
- Mezzanine
- Belt conveyor
- Driven roller conveyor Kapelou
- Non-driven roller conveyor Kapelou
- Vertical conveyor
- Spiral conveyor
- Weighing & dimensioning system Kapelou
- WSC Kapelou
- Integration with WMS – 1C





[E-COMMERCE]
[AUTOMOTIVE]

ABOUT THE COMPANY

No 1 in the segment LCV

One of the national leaders in the sale of automotive parts in Ukraine.

Assortment of the company

> 75, 000 SKU

KEY COMPONENTS OF THE SOLUTION:

- Shelf racks
- Gravity racks
- Driven roller conveyor Kapelou
- Non-driven roller conveyor Kapelou
- Pick-by-Light
- Vertical conveyor
- WCS Kapelou
- Integration with WMS – 1C





[E-COMMERCE]
[FASHION]



ABOUT THE COMPANY

No 1 in the “Clothing and Shoes” category in Ukraine.

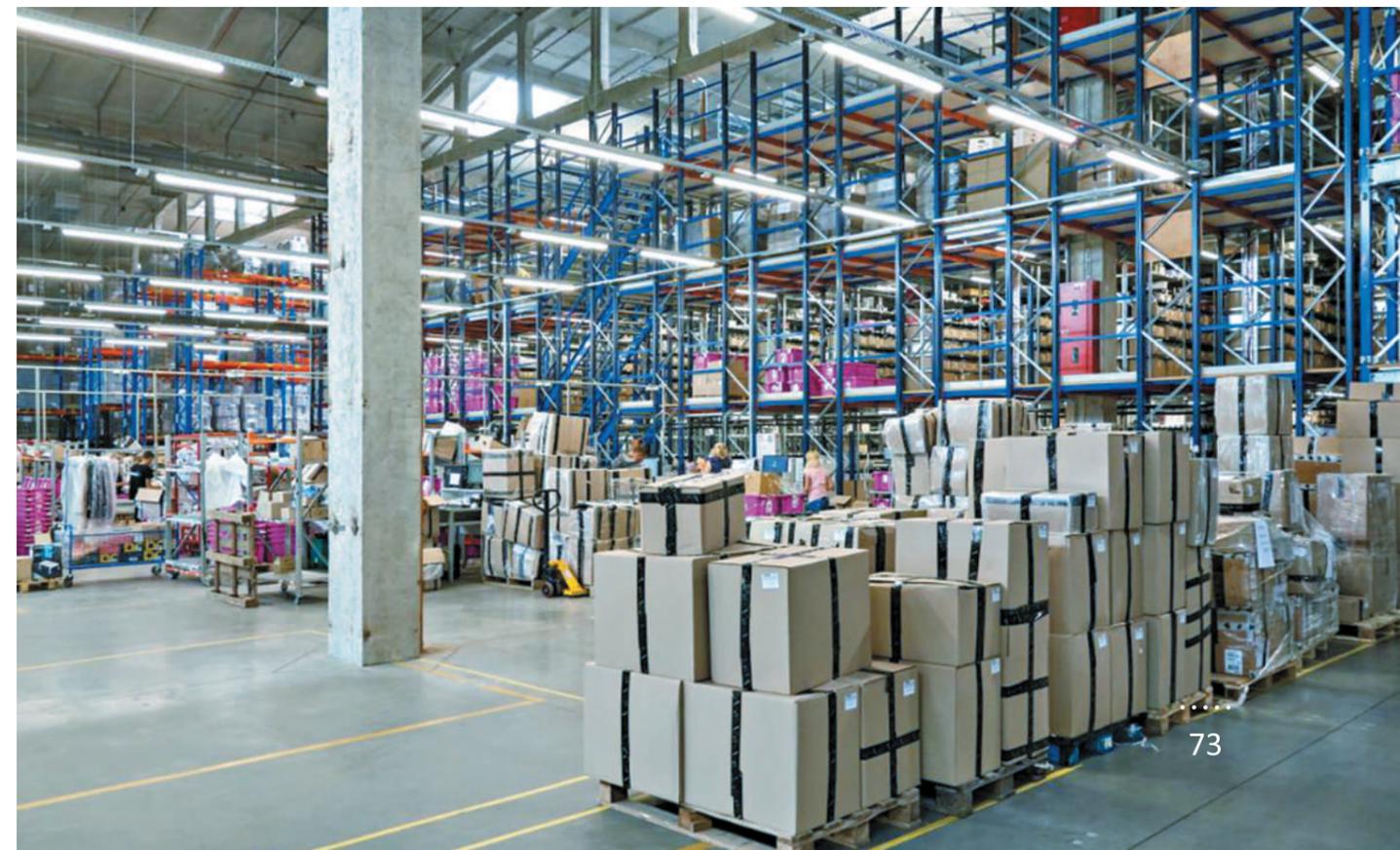
1,000,000 SKU

30% market share in Ukraine

Order processing after automation —
50,000 parcels per day

KEY COMPONENTS OF THE SOLUTION:

- Platform and 4-level mezzanine
- Driven roller conveyor Kapelou
- Non-driven roller conveyor Kapelou
- High-speed vertical conveyor
- Belt conveyor Kapelou
- Automatic weight and dimension measuring module Kapelou
- Integration with WMS — 1C





[DISTRIBUTION]
[PHARMA]



ABOUT THE COMPANY

Distributor **No. 1** measured by delivery volumes and products.

42% market share in Ukraine

> 250 k order lines/day

KEY COMPONENTS OF THE SOLUTION:

- Platform
- Shelving racks
- Gravity racks
- Cantilever racks
- Driven roller conveyor Kapelou
- Non-driven roller conveyor Kapelou
- Belt conveyor Kapelou
- Spiral conveyor
- WCS Kapelou
- Machine vision
- Sorting system based on Pick-by-Light
- Automatic weight and dimension measuring module Kapelou
- Integration of the equipment with the client's WMS — Exceed, Infor





[DISTRIBUTION]
[ELECTRONICS]



[PRODUCTION]
[ELECTRONICS]

ABOUT THE COMPANY

All-Ukrainian distributor

> 25,000 SKU

Brands: Philips, Panasonic, Schneider Electric, Bosch, Siemens, LG, Sony, etc.

KEY COMPONENTS OF THE SOLUTION:

- Platform
- Belt conveyor
- Driven roller conveyor Kapelou
- Non-driven roller conveyor Kapelou
- WCS Kapelou
- Automatic Vertical conveyor Kapelou
- Machine vision
- Weight and dimension measuring module Kapelou
- Integration of the equipment with the client's WMS — Manhattan

ABOUT THE COMPANY

Global manufacturer and distributor of digital technology.

Spare parts depot

KEY COMPONENTS OF THE SOLUTION:

- Driven roller conveyor Kapelou
- Vertical conveyor
- WCS Kapelou
- Integration of the equipment with the client's WMS — SAP



[MANUFACTURE]
[AUTOMOTIVE]



[MANUFACTURE]
[MEAT PROCESSING]



ABOUT THE COMPANY

Global leader in production and supply of electrical systems, cables and plastic components for Audi, Mercedes-Benz, BMW, Volkswagen

3 000 SKU

KEY COMPONENTS OF THE SOLUTION

- Automatic feeding system of stacked trays for trolley
- Driven roller conveyor Kapelou
- Carton live storage racks
- Live pallet racking system

ABOUT THE COMPANY

TOP-10 best sausage producers in Ukraine

Production capacity — **11,000 tons/year**

KEY COMPONENTS OF THE SOLUTION

- Pallet racks
- Gravity racks
- Shelving racks
- Pallet conveyor ILS
- Belt conveyor ILS
- Driven roller conveyor ILS
- Non-driven roller conveyor ILS
- Vertical conveyor
- WCS
- Integration of equipment with the client's WMS — Solvo



[E-COMMERCE]
[DIY]



[E-COMMERCE]
[AUTOMOTIVE]



ABOUT THE COMPANY

70% market share in Ukraine
100 k order lines/day
400,000 SKU

KEY COMPONENTS OF THE SOLUTION:

- Platform
- Mezzanine
- Conveyor belt Kapelou
- Driven roller conveyor Kapelou
- Non-driven roller conveyor Kapelou
- Vertical conveyors Kapelou
- Spiral conveyor
- Automatic weight measurement system Kapelou
- WCS Kapelou
- WMS Integration – Qguar

ABOUT THE COMPANY

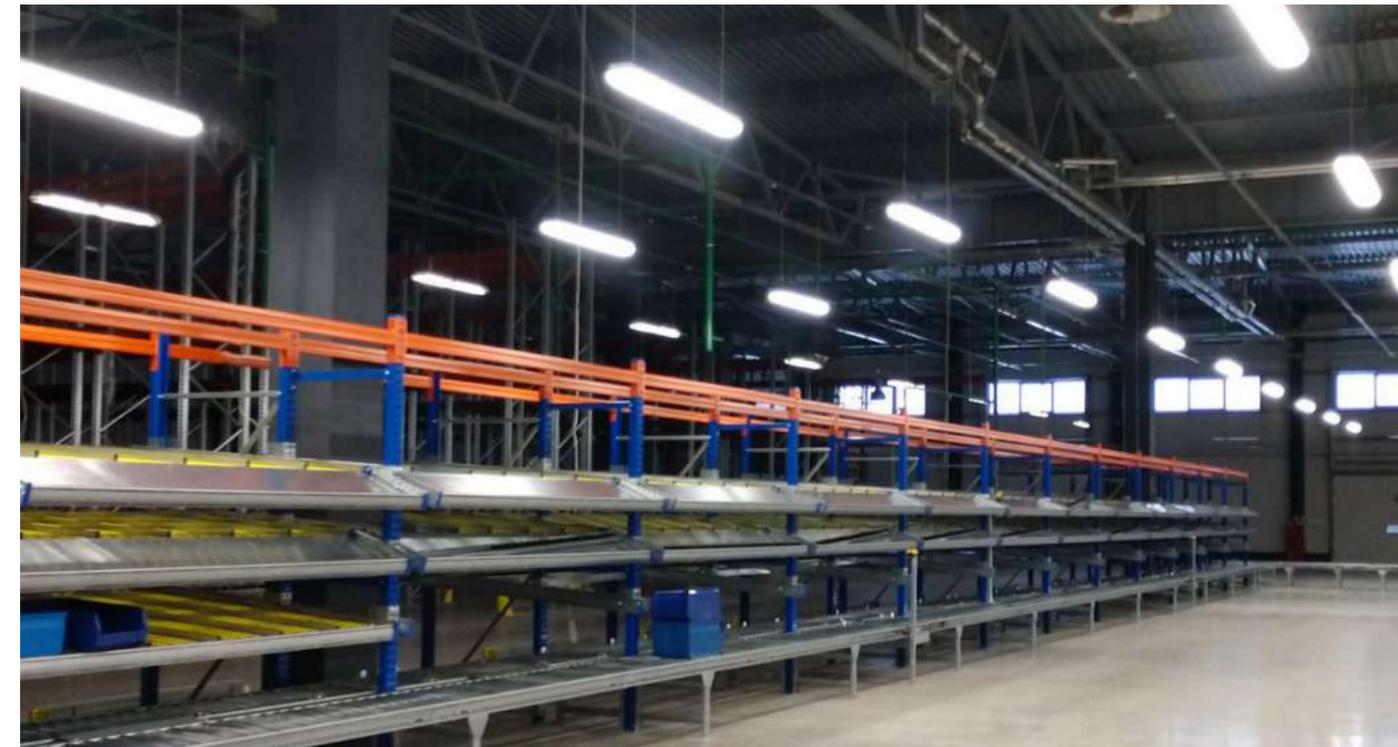
No 1 in the LCV segment in Ukraine
50,000 SKU

KEY COMPONENTS OF THE SOLUTION:

- Shelving racks
- Carton flow racks
- Driven roller conveyor Kapelou
- Non-driven roller conveyor Kapelou
- Pick-by-Light
- High-speed vertical conveyor Kapelou
- WCS Kapelou
- WMS Integration – 1C



[DISTRIBUTION]
[AUTOMOTIVE]



[E-COMMERCE]
[PHARMA]

ABOUT THE COMPANY

Distribution of vehicle parts.

SKU 30 000

KEY COMPONENTS OF THE SOLUTION:

- Shelving racks
- Carton flow racks
- Driven roller conveyor Kapelou
- High-speed vertical conveyor Kapelou
- PBL sorting
- WCS Kapelou
- WMS Integration – Falcon

ABOUT THE COMPANY

TOP -10 pharmaceutical distributor in Belarus.

SKU > 12 000

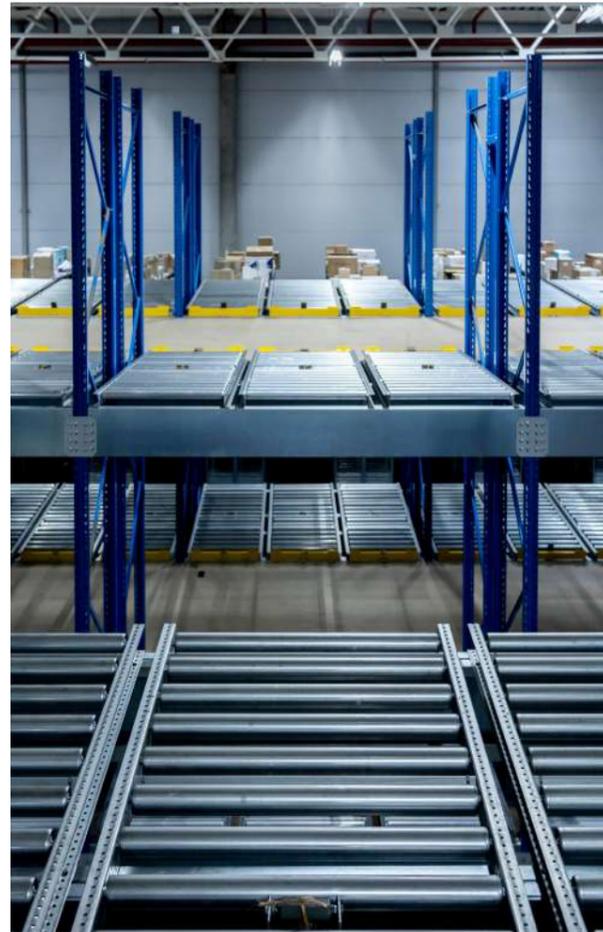
115 pharmacies

KEY COMPONENTS OF THE SOLUTION:

- Carton flow racks
- Driven roller conveyor Kapelou
- Non-driven roller conveyor Kapelou
- WCS Kapelou



[RETAIL]
[PHARMACY]



ABOUT THE COMPANY

25% market share in Ukraine

7,000 parcels/hour

350 shops/day

30,000 SKU

KEY COMPONENTS OF THE SOLUTION:

- Pick tower
- Belt conveyor Kapelou
- Driven roller conveyor Kapelou
- Non-driven roller conveyor Kapelou
- Flow racks for pallets
- Spiral conveyor
- Machine vision
- Sorter

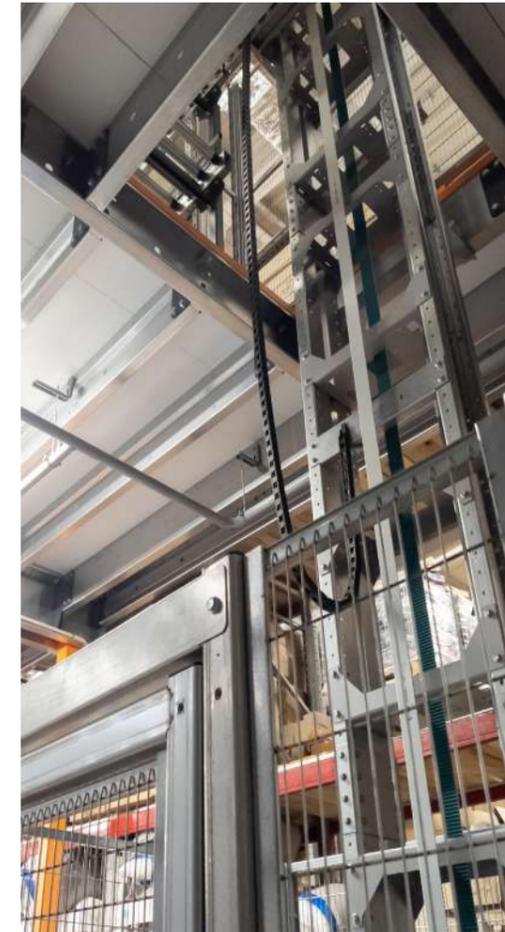




[MANUFACTURE]
[FMCG]



[E-COMMERCE]
[DIY]



ABOUT THE COMPANY

Ukrainian producer and exporter of sunflower oil and mayonnaise.

7% market share (oil)

Production facilities – 1 000 t/day

Export to 85 countries

KEY COMPONENTS OF THE SOLUTION:

- Driven roller conveyor Kapelou
- Vertical conveyor
- WCS Kapelou

ABOUT THE COMPANY

70% market share

100 k order lines/day

24/7

26 similar projects realised

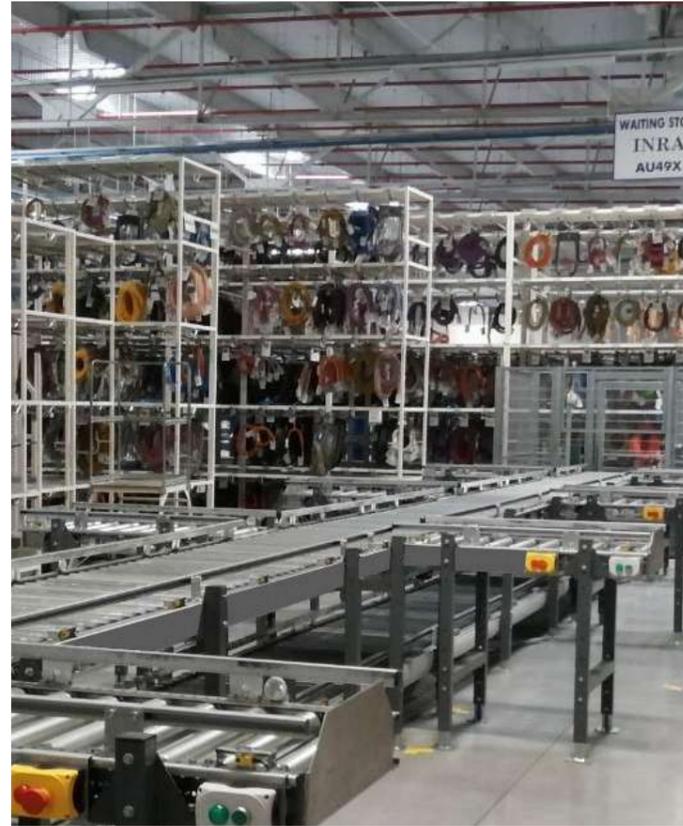
400 000 SKU

KEY COMPONENTS OF THE SOLUTION:

- Driven roller conveyor Kapelou
- Vertical conveyor Kapelou
- WCS Kapelou



[DISTRIBUTION]
[AUTOMOTIVE]



ABOUT THE COMPANY

Manufacturer and distributor of wiring harnesses, wiring harness components and other electrical components for Volkswagen AG – Audi, Seat, Skoda, Bugatti and Porsche.

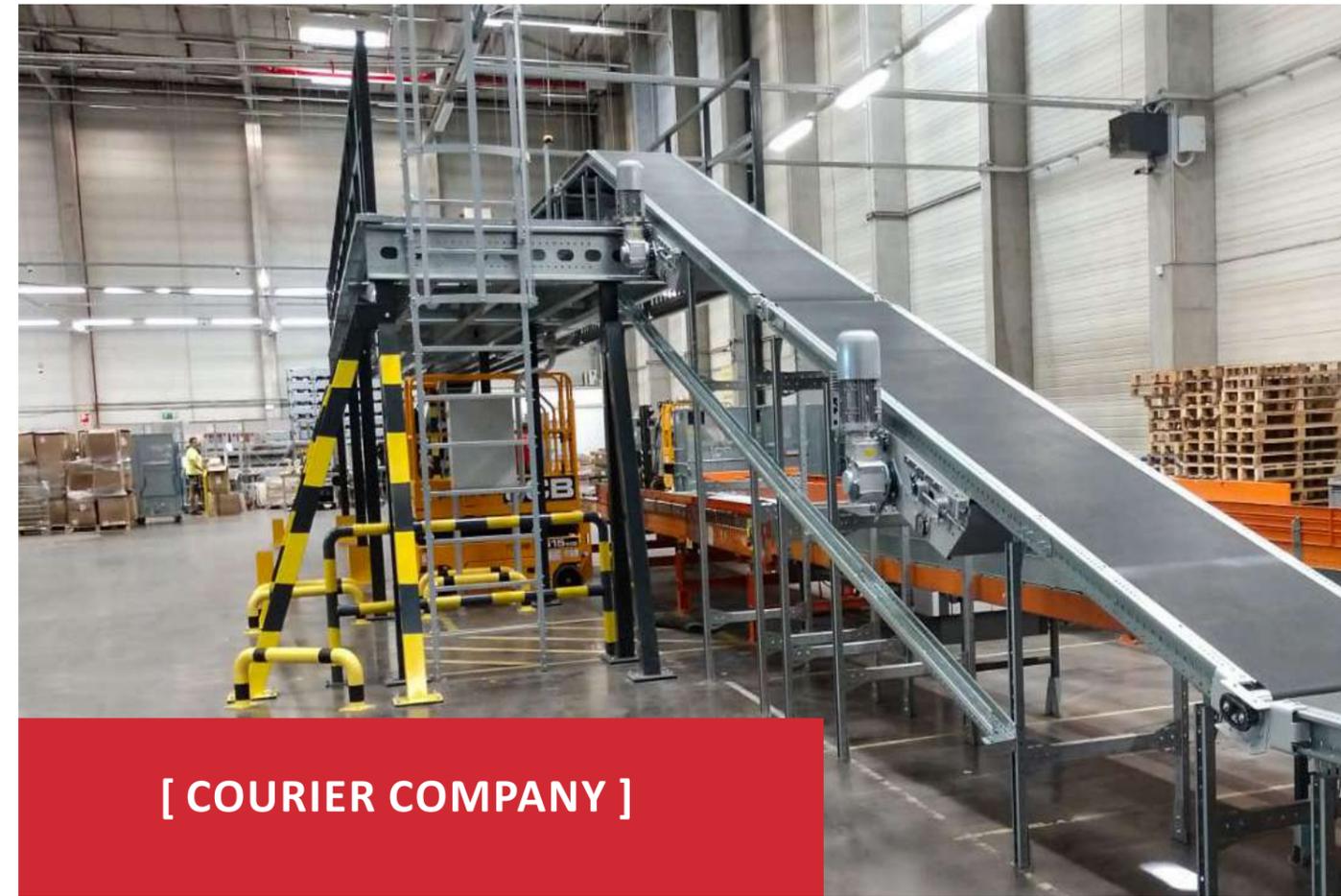
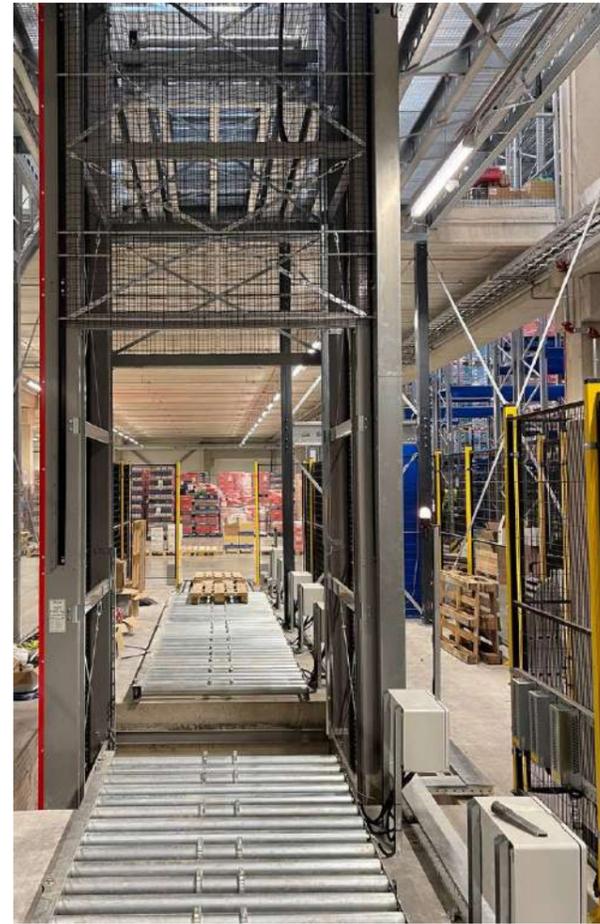
70,000 SKU

KEY COMPONENTS OF THE SOLUTION:

- Shelving racks
- Carton flow racks
- Pallet racks
- Robot gripper Kapelou
- Driven roller conveyor Kapelou
- WCS Kapelou



[RETAIL]
[DISTRIBUTION]



[COURIER COMPANY]

ABOUT THE COMPANY

The largest retailer of the Baltic States

> 35,000 clients

43,000 SKU

KEY COMPONENTS OF THE SOLUTION:

- Vertical conveyor for pallets
- Customised pallet conveyor
- 2-level platform
- WXS - Software Kapelou

ABOUT THE COMPANY

The largest courier company in Hungary

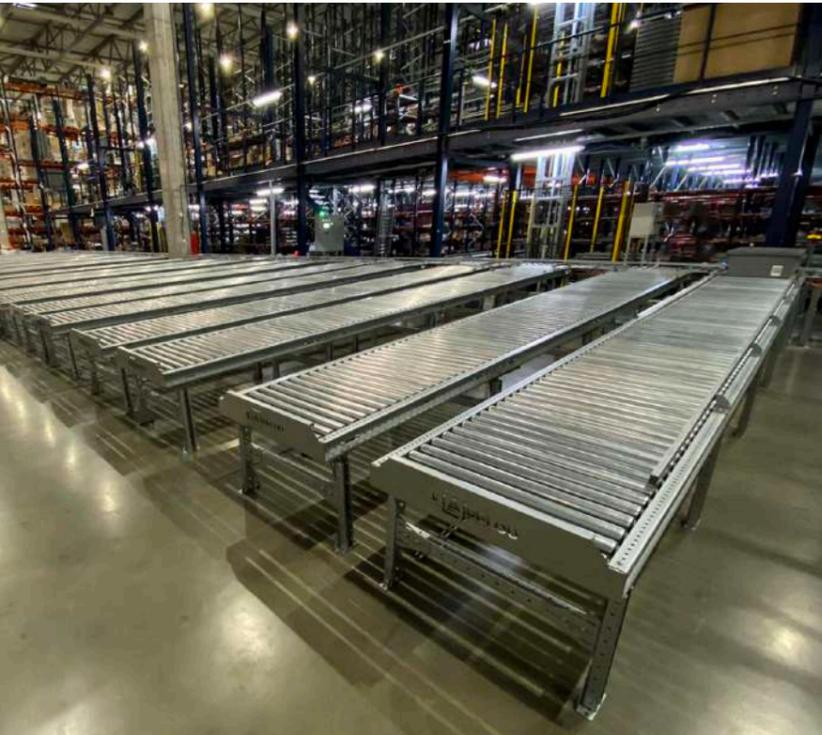
> 30,000 parcels/day

Part the Austrian Post

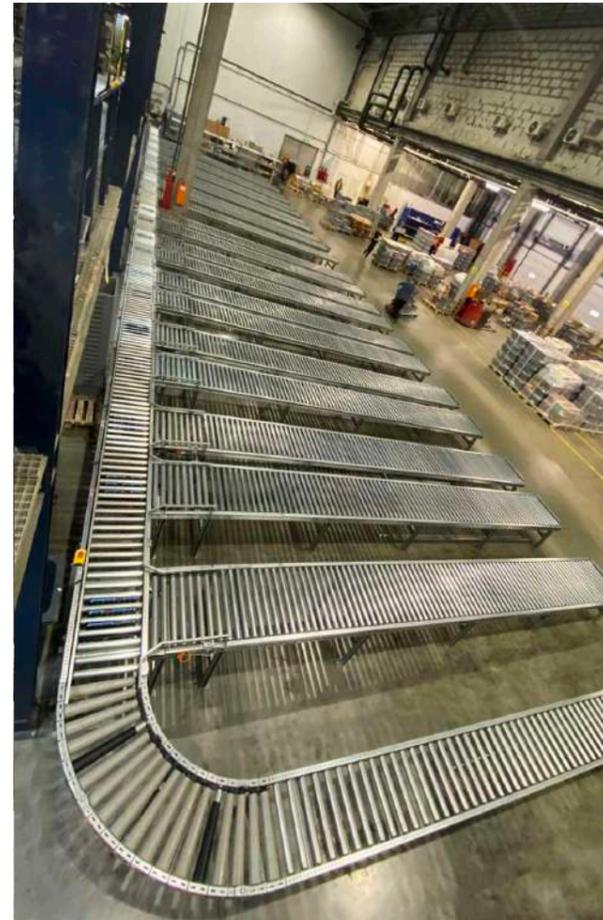
4,000 m²

KEY COMPONENTS OF THE SOLUTION:

- Belt conveyor Kapelou
- Platform
- Integration with the existing sorting system
- WCS implementation



[E-COMMERCE]
[PHARMACY]



[DISTRIBUTION]
[AUTOMOTIVE]



ABOUT THE COMPANY

Prostor - Ukrainian market leader in the pharmacy sector.

> 427 shops in 132 cities

> 20,000 SKU

KEY COMPONENTS OF THE SOLUTION:

- Driven roller conveyor Kapelou
- Non-driven roller conveyor Kapelou
- Belt conveyor Kapelou
- High-speed vertical conveyor Kapelou
- Diverters 90°
- Put-to-Light system
- Shelving system
- Automatic weight measurement system Kapelou

ABOUT THE COMPANY

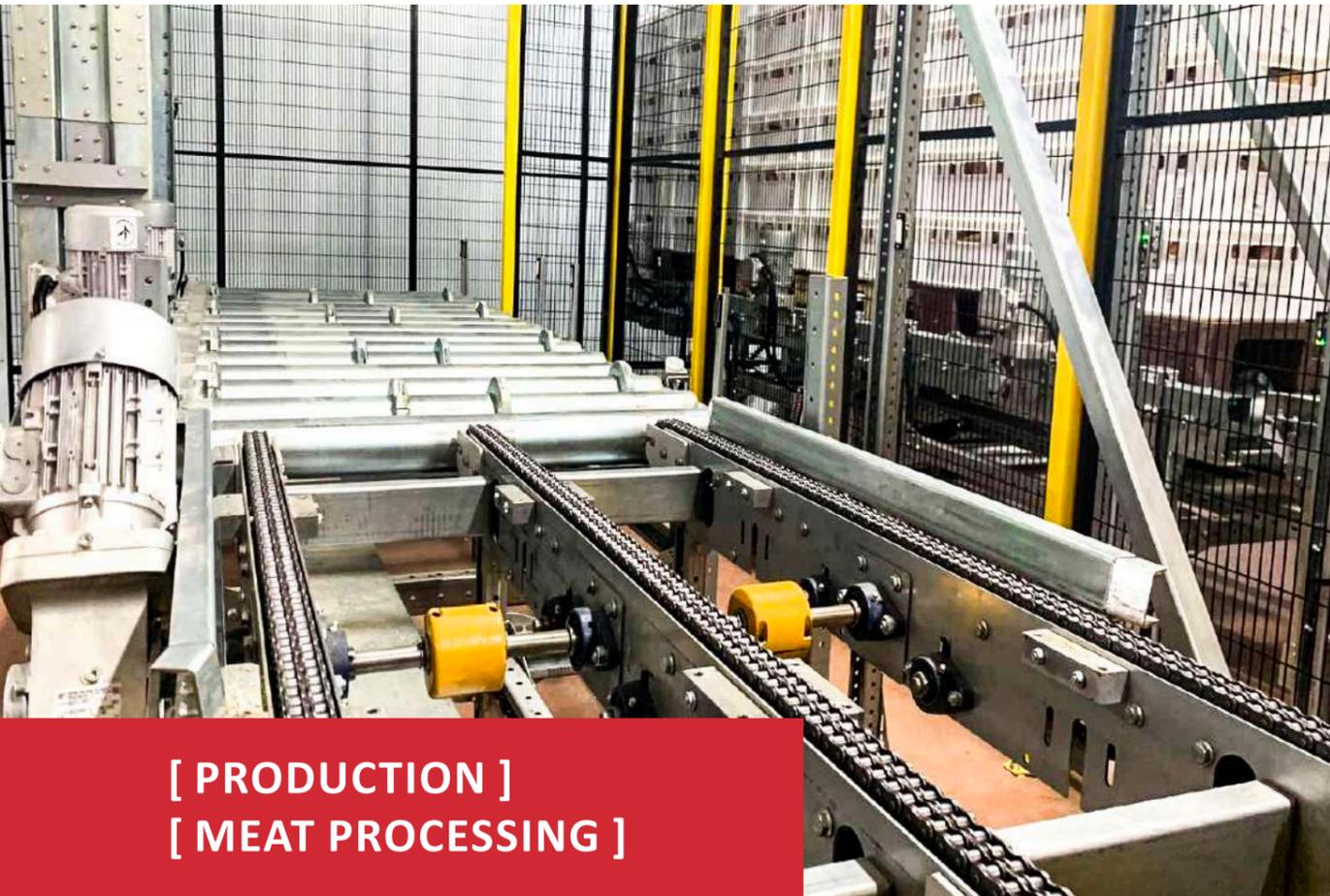
136, 000 SKU

20, 000 m2

Operating mode - 24/7

KEY COMPONENTS OF THE SOLUTION:

- AGV for the sorting of order waves
- Shuttle system
- Driven roller conveyor Kapelou
- Non-driven roller conveyor Kapelou
- Pick-by-Light
- High-speed vertical conveyor Kapelou
- WXS
- Sequencer
- Diverter
- Spiral conveyor



[PRODUCTION]
[MEAT PROCESSING]

ABOUT THE COMPANY

One of the leading manufacturers of sausage and meat products.

120 pallets per hour

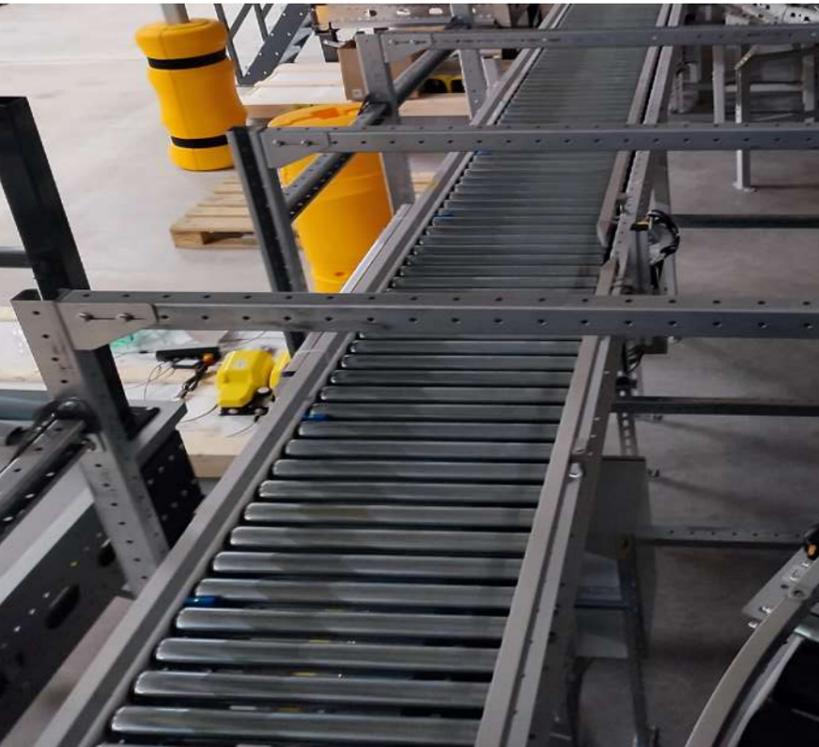
30,000 pallets/6 months

3, 710 m2

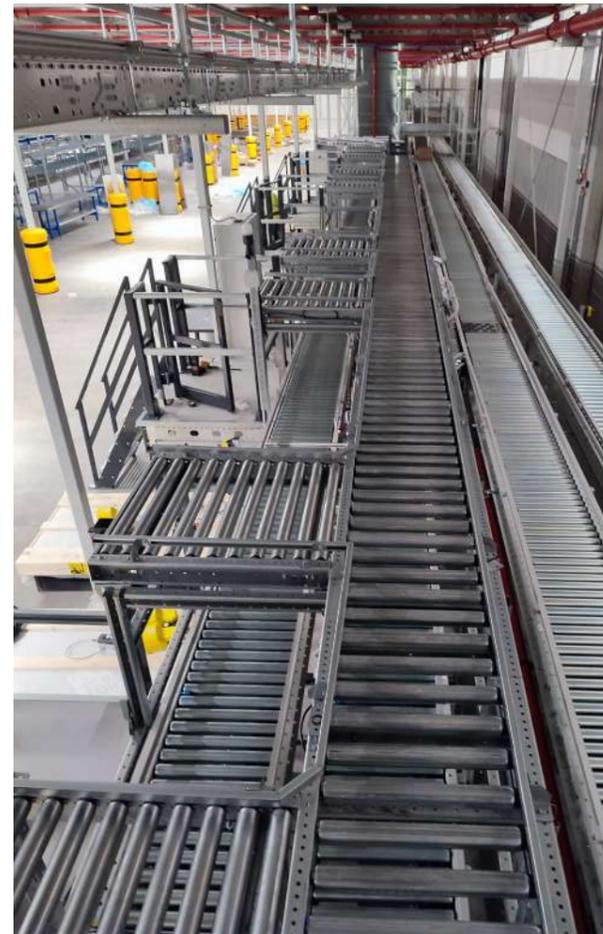
KEY COMPONENTS OF THE SOLUTION:

- Vertical conveyor for pallets
- Pallet chain conveyor
- Pallet roller conveyor
- WCS integration





[E-COMMERCE]
[FOOD DELIVERY]



ABOUT THE COMPANY

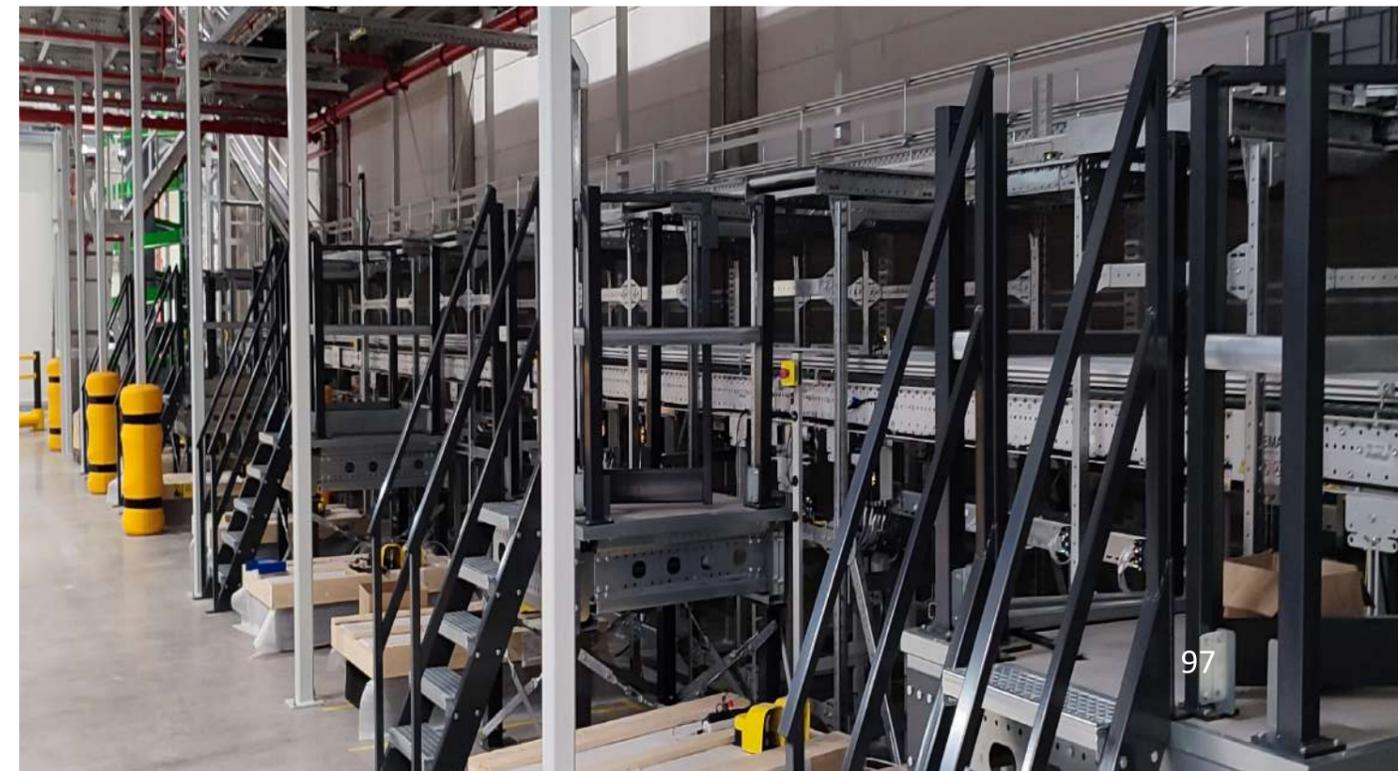
German company based in Berlin, which offers so-called “cooking boxes”.

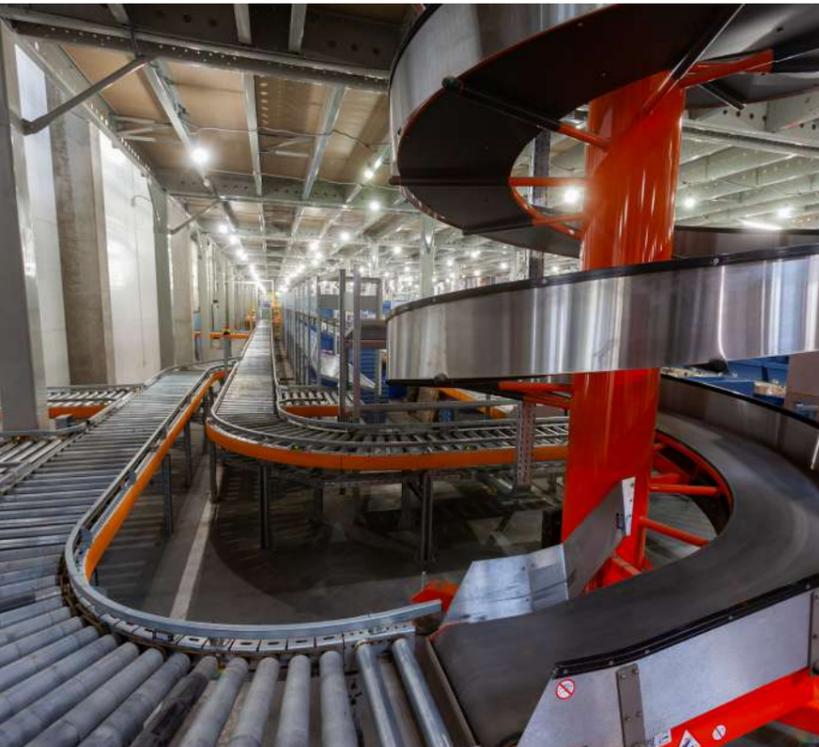
The largest provider of cooking boxes in the United States.

300,000 m2

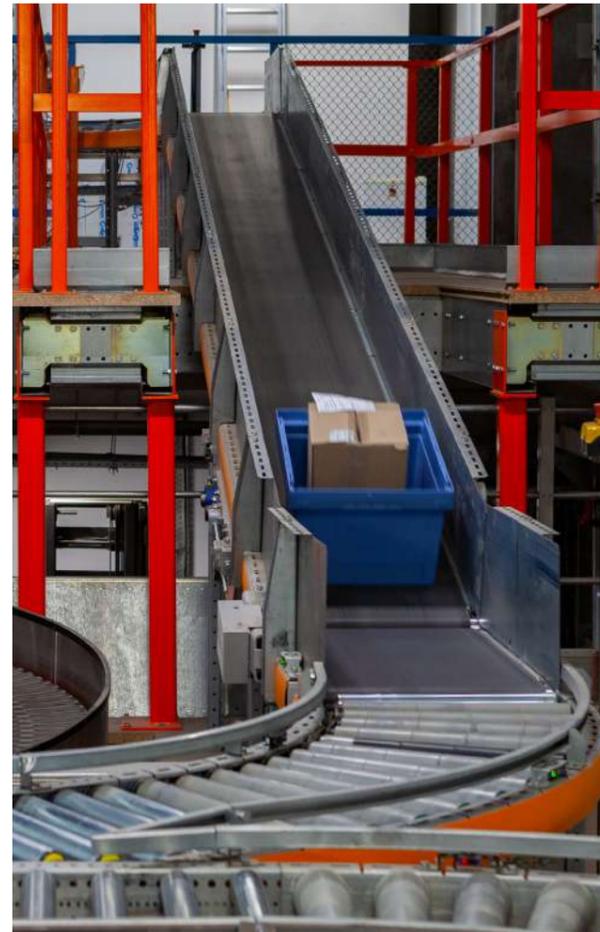
KEY COMPONENTS OF THE SOLUTION:

- Driven conveyor
- Non-driven conveyor
- Control unit
- Platforms with guardrails and safety gates





[FMCG]
[3PL]



[FMCG]
[PRODUCTION]

ABOUT THE COMPANY

No 1 3PL operator in Western and Central Ukraine

160 own "Blyzenko" stores

300,000 m2

KEY COMPONENTS OF THE SOLUTION:

- Kapelou automated conveyor system
- Automatic weight measurement system Kapelou
- Spiral conveyor
- Control and packaging tables
- Pick-by-Light
- WCS Kapelou
- Integration with WMS - Qguar

ABOUT THE COMPANY

One of the largest investors in the food industry in Ukraine

KEY COMPONENTS OF THE SOLUTION:

- Kapelou pallet gravity rack
- Drive-in/drive-through racking system
- Conventional pallet racking

OUR CUSTOMERS

more than **200**

- 1 RELIABLE SYSTEMS**
High quality and good terms due to own production
- 2 EXPERIENCE**
Strong solutions thanks to our experience and our specialists
- 3 INDIVIDUAL SOLUTION**
In -depth analysis of the current warehouse situation
- 4 OPTIMUM SOLUTION**
We don't offer more than you need

SAMSUNG

MOYO

ЮНИК ТРЕЙД

ERC

OMEGA

KROSCHU KROMBERG & SCHUBERT

ТОРГОВЕЛЬНИЙ ЦЕНТР ЕПІЦЕНТР

IDS BORJOMI GEORGIA

BFI BAKERY FOOD INDUSTRY

BUSMARKET GROUP

SUMITOMO ELECTRIC BORDNETZE

Nestlé

AVON the company for women

Amway

STV group

speedy

PEPSICO

ORIFLAME SWEDEN

ВіЯр

Kasta

Фармак

BaDM service company

НОВА ПОШТА

Природа Відчуй радість

АЛАН

БАЩИНСЬКИЙ

СВ

доброго дня | аптека

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