

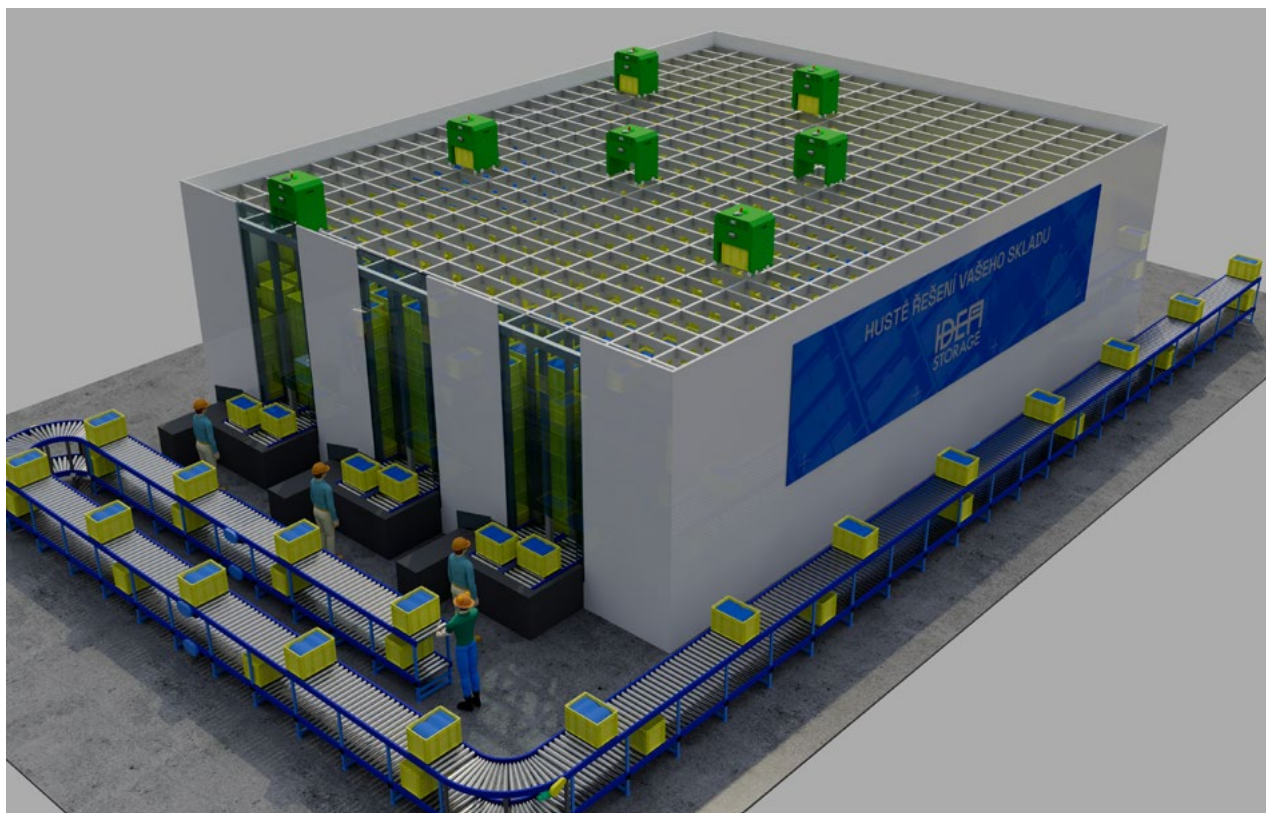
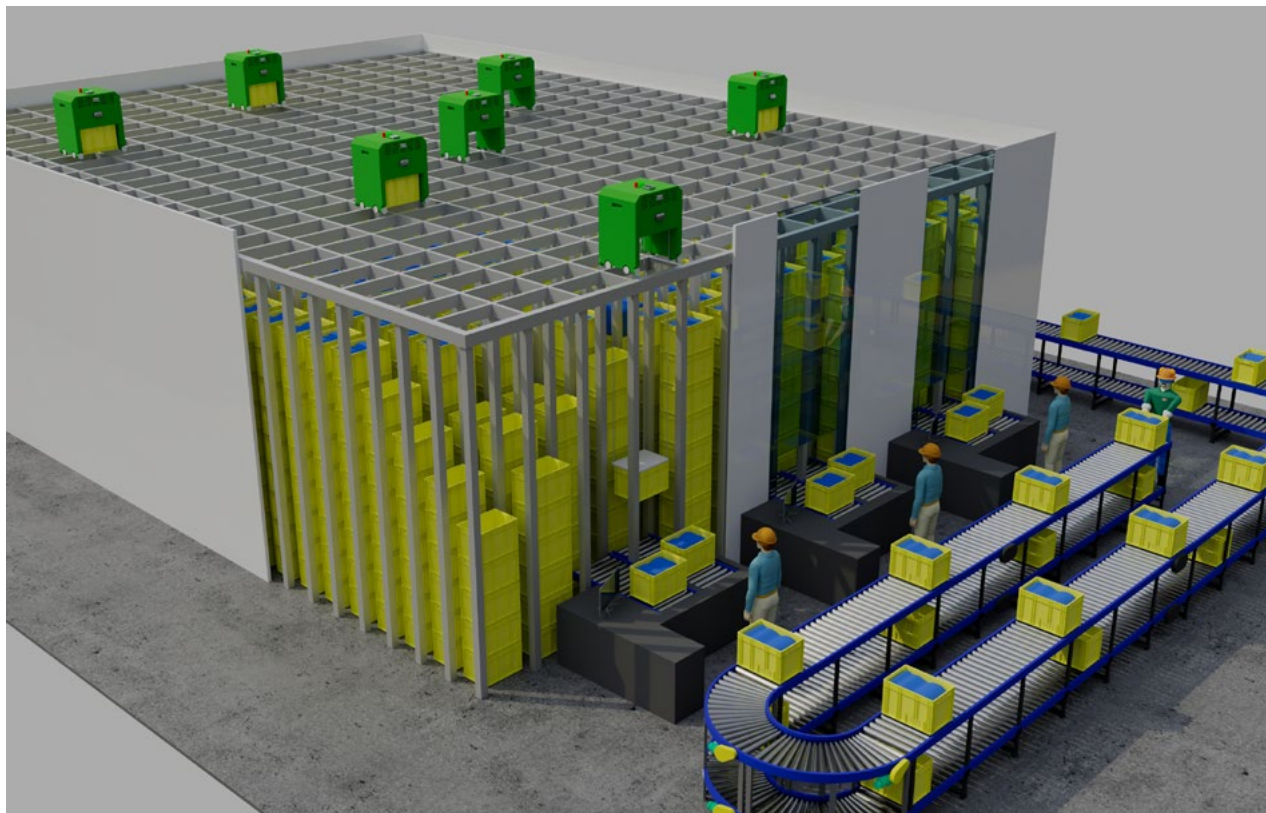
4IGV

www.4igv.cz



Automation of intralogistics

OUR STATE-OF-THE-ART TECHNOLOGY IS YOUR ADVANTAGE





YOUR PARTNER IN AUTOMATION OF INTRALOGISTICS

4IGV has been acting as an integrator and dealer of technologies designed for automation of intralogistics processes. We focus our attention to efficiency and safety of material flow and handling. We help companies deliver goods necessary for production and storage, lower the costs, increase safety and gain time. We offer intralogistics suitable both for smaller and big logistics centres.

Our products include the intelligently guided unattended vehicles. The vehicles are suitable for production and storage facilities. They have extremely precise camera navigation, guides the vehicles in space. Their scanners help detect obstacles and drive units provide omnidirectional movement.

We also offer the **high density intelligent automated warehouses**. We shall prepare this warehouse design for you to fit your facility. This concerns a solution where the robots load and unload the automated warehouse stacking system. Mainly: the modular system allows you to save a lot of space, which you would otherwise need for storage.

We shall be happy to show you and explain the specific benefits specifically for your operation in more details. So far, we have implemented a lot of successful solutions allowing us to offer you a reference visit to see it all in a place and ask our clients about their satisfaction and actual benefits.

Our assortment also includes automatic pallet stackers and aligners, including the

automatic storage and unloading system. We also offer cleaning or sweeping autonomous AMR equipped with SLAM navigation capable of integrating into the common fleet management for industrial cleaning and vacuuming floors.

We adhere to the principles that planning and preparation equals 50 % success of your project.

In case that you are looking for an experienced partner for automation and maximize effectiveness in the production and storage facilities, you've just found him.

Contact us!

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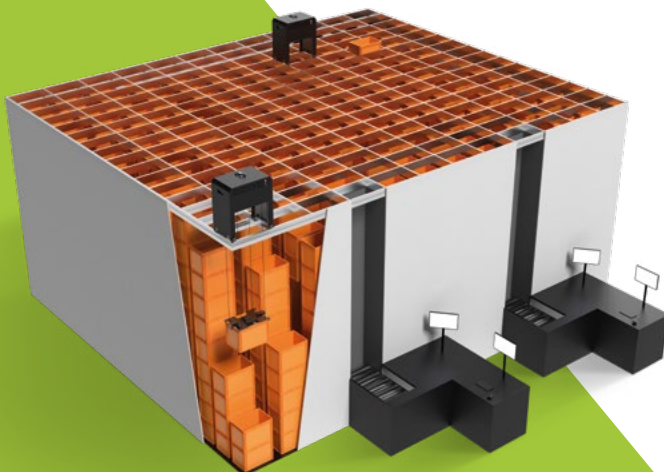
AUTOMATED WAREHOUSE

THE ROBOTIC WAREHOUSES SAVE THE TIME, SPACE AND NEED FOR HUMAN INTERVENTION



SPECIFICATION

- We shall personalize both the structure and number of robots following the season and current workload.
- Less inter-warehouse transfers, less energy.
- Operation 24/7.
- We have been capable of converting up to 90 % warehouse cubic capacity to logistic system and thus double its capacity.



CONSTRUCTION

- Aluminium profiles network which fits together using the locks. The structure top rails enable the movement of the robots.
- The installation has been tailored to the warehouse size and capacity.
- Structure/grid up to 8.4 m + space for robot.
- This allows you to add and remove the new profiles.
- Easy adaptation to the season requirements.

ROBOTS

- They operate on the fixed structure top.
- They move boxes similar to the elevator.
- They charge independently and operate 22 hours per day.
- Each robot can carry up to 30 kg of cargo.
- Customization of robot colors according to RAL chart.



TRANSFER AREA

- IN/OUT as much as you need.
- Within the transfer area, all movement can be monitored and recorded in the real time.
- The box itself never has to leave the structure.
- The number and transfer areas location are flexible
- The open table allows easy goods handling.
- Full integration into the control system.

BOX

- The robots can work with any boxes.
- We shall provide your systems with the EAN codes enabling you manage according to the specific products categories.
- Dimensions: 600 mm × 400 mm.
- Variable Height: 120-420 mm.
- The mounting plate can be adapted for a specific box type.
- The possibility of using own boxes.
- The KLT boxes can leave the automated storage system.



CONTROL SYSTEM

- It passes instructions to robots.
- It optimizes the processes and integrates into your ERP.
- It monitors and saves all data in real time.
- The wireless connection operates even without Wi-Fi.
- It enables remote configuration, service and support as well.

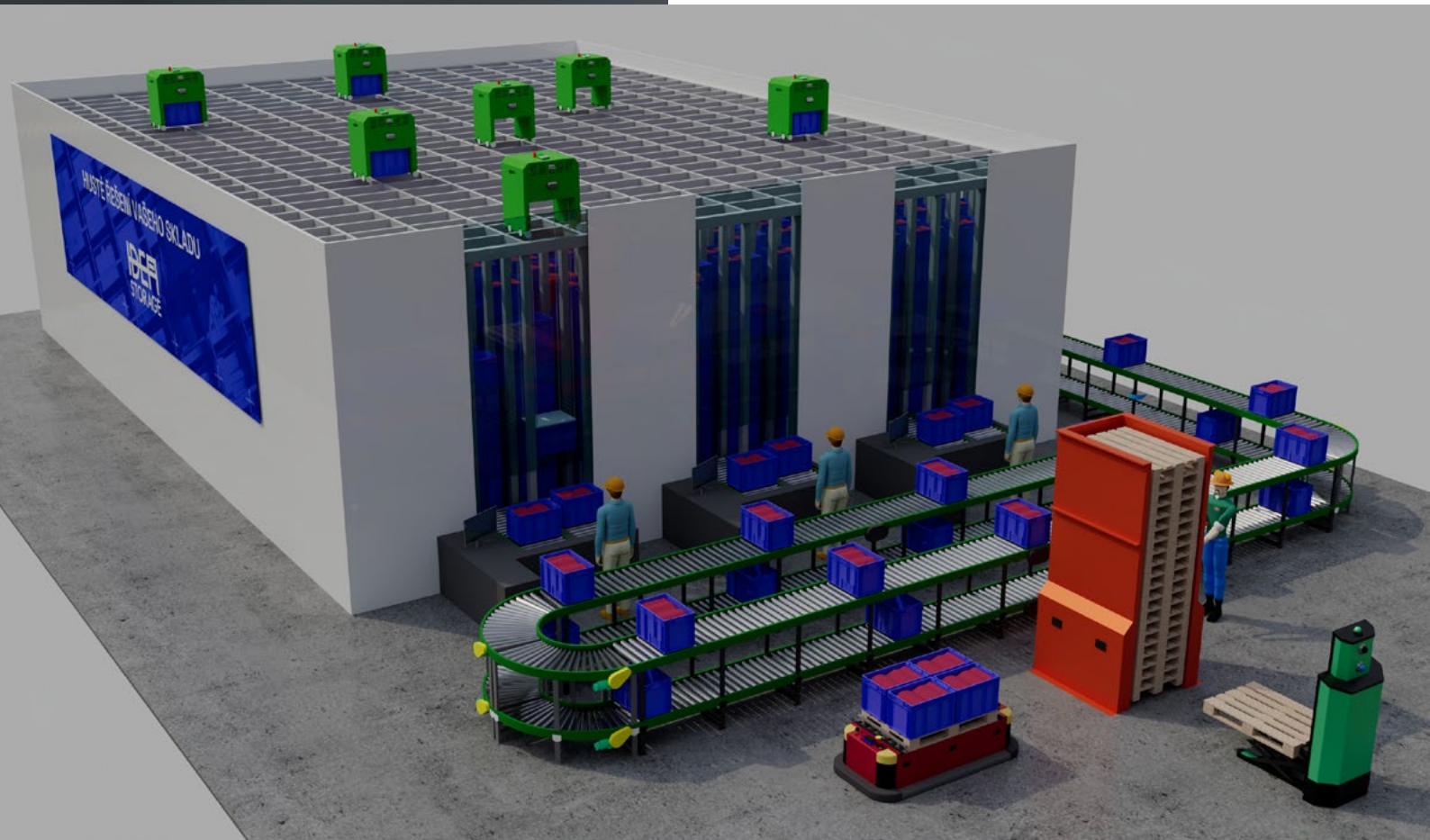
COLOR CUSTOMIZATION

CHOOSE YOUR OWN ROBOT COLOR



HIGH-DENSITY STORAGE BENEFITS

- maximum grid height: 8.4 m + space for robot
- variable height for boxes in a single column: 120-420 mm
- the boxes can leave the automated storage system
- the possibility to use own boxes
- the number of transfer areas as needed
- robot load capacity up to 30 kg



WHERE TO MEET US IN PERSON

There have been a lot of opportunities to meet us. You will get more familiar with our technologies at all meetings. We will be happy to visit you or we can talk during the events, such as logistics conferences, where we and other experts will provide you with an overview of the up-to-date trends in the field of logistics.



We visit both the customers and, of course, companies where we introduce our technologies. After the presentation, we shall go straight to the production plant and, on the spot, we shall tell you whether the technology is suitable or not for your company. We offer the solution directly tailored to you. To make a final decision, we shall individually process the relevant details with clearly quantified benefits for you.



For instance, you could meet us at the Trends in Automotive Logistics conference.

Our 4IGV company regularly attends the EASTLOG logistics conference.



You can also visit our exposition at the International Engineering Fair, Brno.

We also organize our own conferences.



**For more information,
please visit our website**

„Must have“



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