

# Unmanned (Un)Loading Solutions

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- Trailer Truck
- Wing Type Truck
- Flatbed Truck



# Leading Intelligent Intralogistics Solution Provider

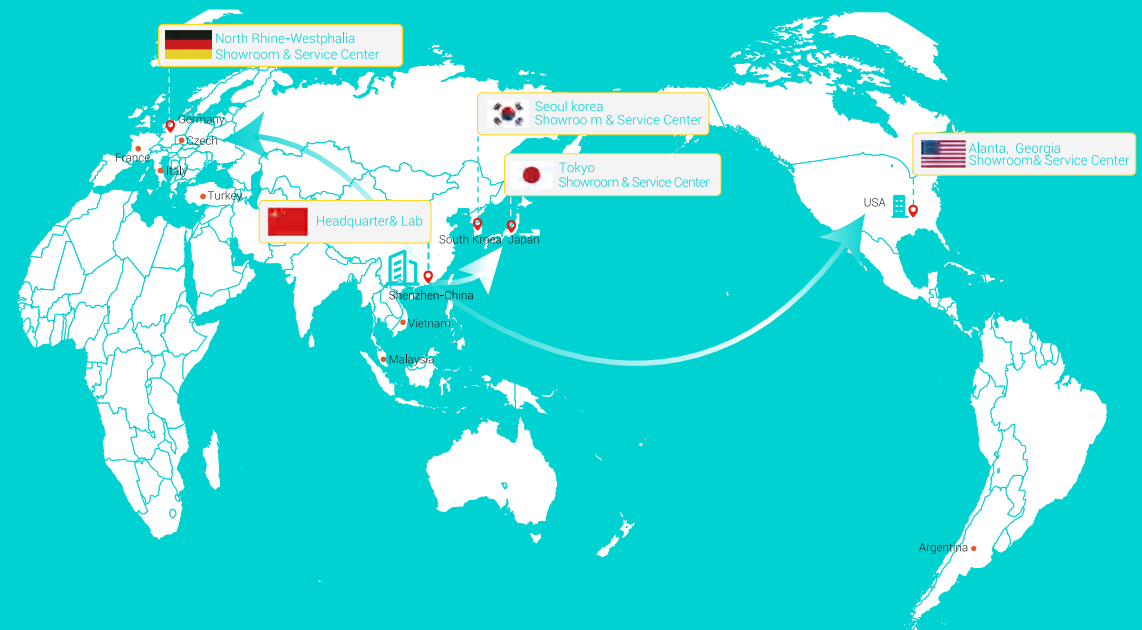
20+ Industry Applied   30+ Countries & Regions   400+ Patents & Copyrights   400+ Project Cases

Multiway Robotics, a leading intelligent intralogistics solution provider, with the mission of "Establish a new and efficient employment mode", is dedicated to drive continuous upgrades in social productive forces.

Global headquarter and laboratory are located in Shenzhen, China, with production facilities in Hefei. Multiway has also established subsidiaries in the United States, Germany, Japan, South Korea, and more, extending business, operations, and services to 30+ countries and regions worldwide.

Focusing on advanced robotics and AI technology, Multiway Robotics is committed to delivering cutting-edge intelligent manufacturing and smart logistics solutions to our customers. Multiway offers a comprehensive, integrated innovation delivery platform and solutions, ranging from core sensors and algorithms to self-developed unmanned forklifts and upper-level control systems. Hardware products include a full range of unmanned forklifts and four-way shuttle, while software systems encompass Multiway Cloud, WMS, RCS, WCS, on-site management systems, and various visual solutions.

After successfully delivering numerous benchmark projects in industries such as factories, warehousing, and logistics, Multiway has become a trusted and ongoing collaborative partner for many industry-leading customers.



# Why it is important?

Our Intelligent and Unmanned Solutions Enhance Efficiency and Safety

High Labor Cost

Low Efficiency

Complex Management

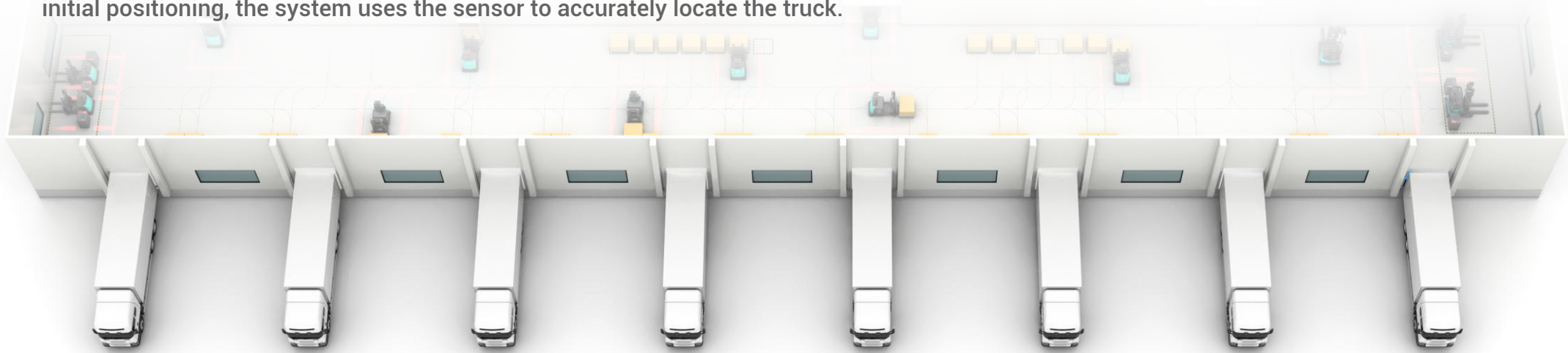
Lack of real-time monitoring

Lack of accurate operation data



# Say goodbye to tedious manual (un)loading

The unmanned loading and unloading solutions locates vehicles and cargo warehouses based on various types of unmanned forklifts on hardware carriers and combines the Horizon System (on-board or off-board vision system) to limit truck stopping deviation. After reaching the initial positioning, the system uses the sensor to accurately locate the truck.



100% safety Guarantee



30% efficiency improvement



50% labor cost saving



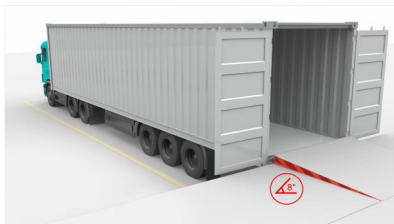
10% increase in trailer space utilization





# Trailer Truck Loading and Unloading Solutions

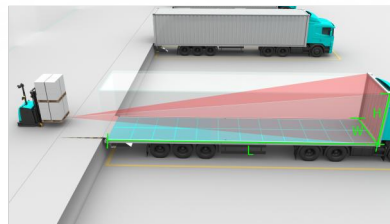
With unmanned forklift truck as the carrier, the innovative 3D lidar simultaneous localization and mapping (SLAM) and flexible vision technology are used to automate the trailer loading and unloading, suitable for pallet or pallet-free situation, as well as stacking goods in the truck.



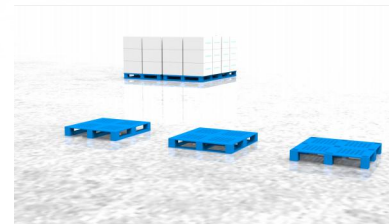
Max deck slope at 8°



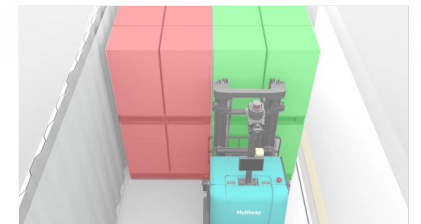
Access to last set of cargos



Dimensions measurement and space allocation



Multi-pallet compatibility



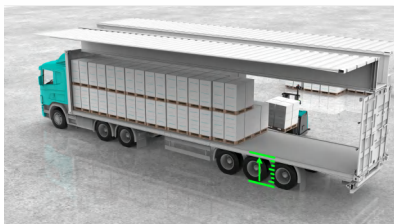
Maximum space utilization with 0 clearance





# Wing Type Truck Loading and Unloading Solutions

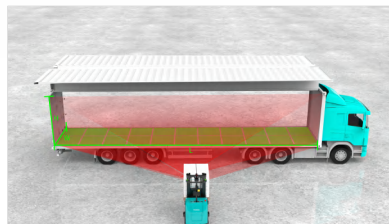
Based on the structural characteristics of the open compartment of the wing type truck, using unmanned forklift trucks to load and unload.



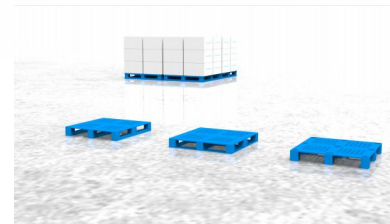
Support different height of wing type truck



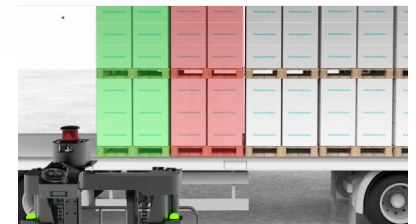
Support mixed loading and unloading



Dimensions measurement and space allocation



Multi-pallet compatibility



Maximum space utilization with 0 clearance





# Flatbed Truck Loading and Unloading Solutions

Automated loading and unloading of flatbed trucks using unmanned forklifts as the carrier for top-open vehicles such as flatbed and high-bay trucks.



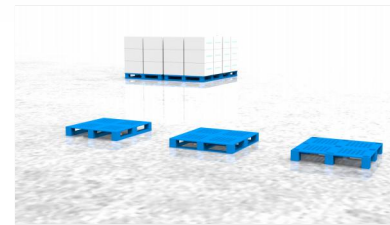
Support different height of flatbed truck



Support mixed (un)loading



Dimensions measurement and space allocation



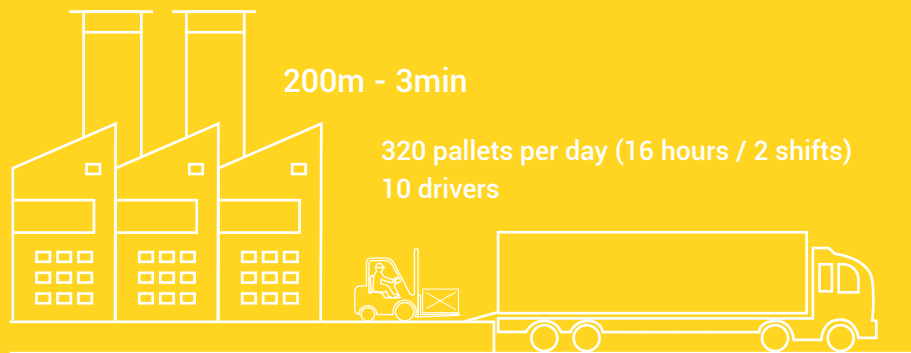
Multi-pallet compatibility



Maximum space utilization with 0 clearance

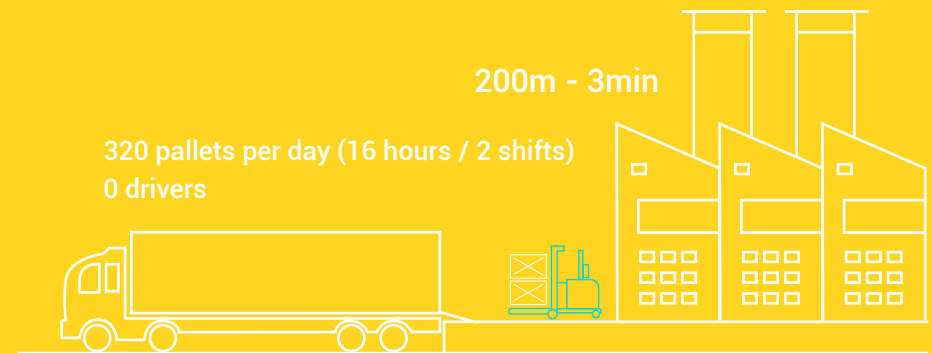
# take a load off

Move the same number of pallets each day with an automated loading solution, with fewer people, trucks and forklifts...



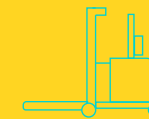
BEFORE

Factory  
2 drivers



AFTER

Factory  
0 drivers



40 minutes loading and unloading

# Features



Intelligent Navigation



360° Safety Guarantee



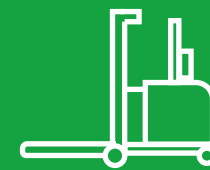
Environmental Adaptation  
(temperature, weather)



Sustainability



Facility Adaptations



Availability of All Products

# Leading Intelligent Intralogistics Solution Provider



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## Overseas Offices:

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