



*Stability | Capability | Adaptability | Operability | Availability | Durability | Reliability*

**Your business partner**  
who understands your needs  
and accelerates your  
**logistic**  
**capabilities**

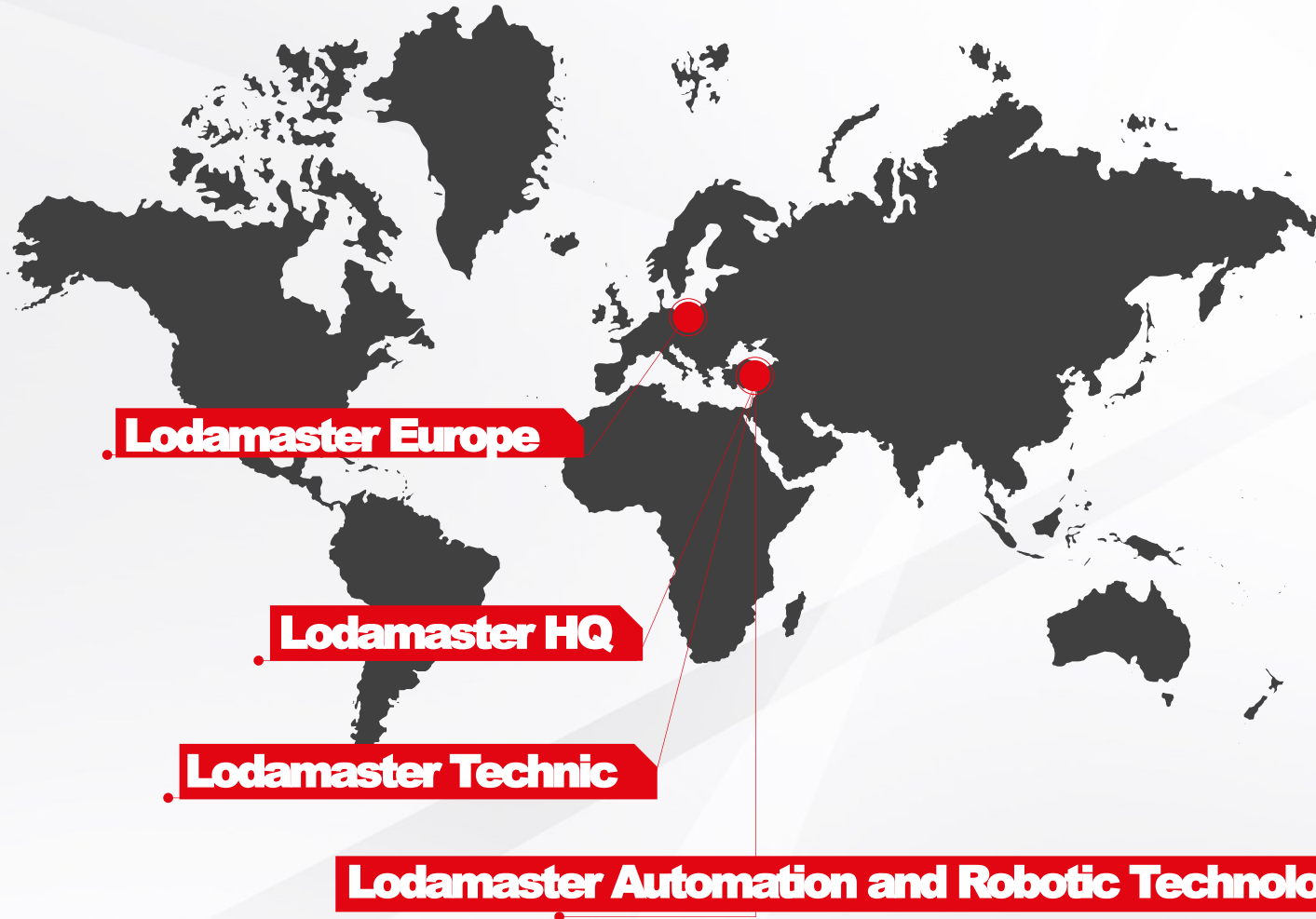
LODAMASTER Group, established in 2011, provides intralogistics solutions globally that include conveyor automation systems, sorter systems, vehicle (un)loading solutions, order picking solutions, and other warehouse technologies from our bases in Istanbul, and Poland.

Lodamaster can offer turn-key solutions in many countries with its teams in Turkey, Poland, and with our partners all over the world.

By using our expertise in warehouse automation and efficiency projects, and loading-unloading operations, we are providing firstly a consultancy service with analyzing your operations on-site and we are proposing the most suitable technologies for your operations.



# Lodamaster Group | About Us



**Lodamaster Headquarter (Istanbul / Turkey)** is dealing with sales and marketing, solution design, project management, and after-sales services activities for the region of Turkey, the Middle East, and Russia;

**Lodamaster Technic (Kocaeli / Turkey)** is the manufacturing company of the group dealing with the design of components in our projects, producing stand-alone machines like telescopic conveyors, pallet magazines, pallet elevators, pallet inverters, and all kinds of conveyors for our projects and also for the supply to other system integrators all over the world.

**Lodamaster Automation and Robotic Technologies (Kocaeli / Turkey)** is the software company of the group, developing our software packages SORTware, SORTcontrol, CONware, LIGHTware, etc. for the data processing and also PLC-based control of our projects.

**Lodamaster Europe (Warsaw / Poland)** is dealing with sales and marketing, project management, and after-sales services activities for the region of Europe and the UK.

# Lodamaster Group | History

**2011**

- Foundation
- Partnership with Joloda

**2013**

- Production of the First Sorter System
- Establishment of Argevi software company

**2016**

- First export of telescopic conveyor to Europe
- Biggest sorter & conveyor project in e-commerce sector in Turkey
- First turn-key project abroad

**2018**

- Moving to new HQ
- Opening new production facility in Istanbul
- Commissioning Trendyol (Alibaba) and Amazon in Turkey

**2020**

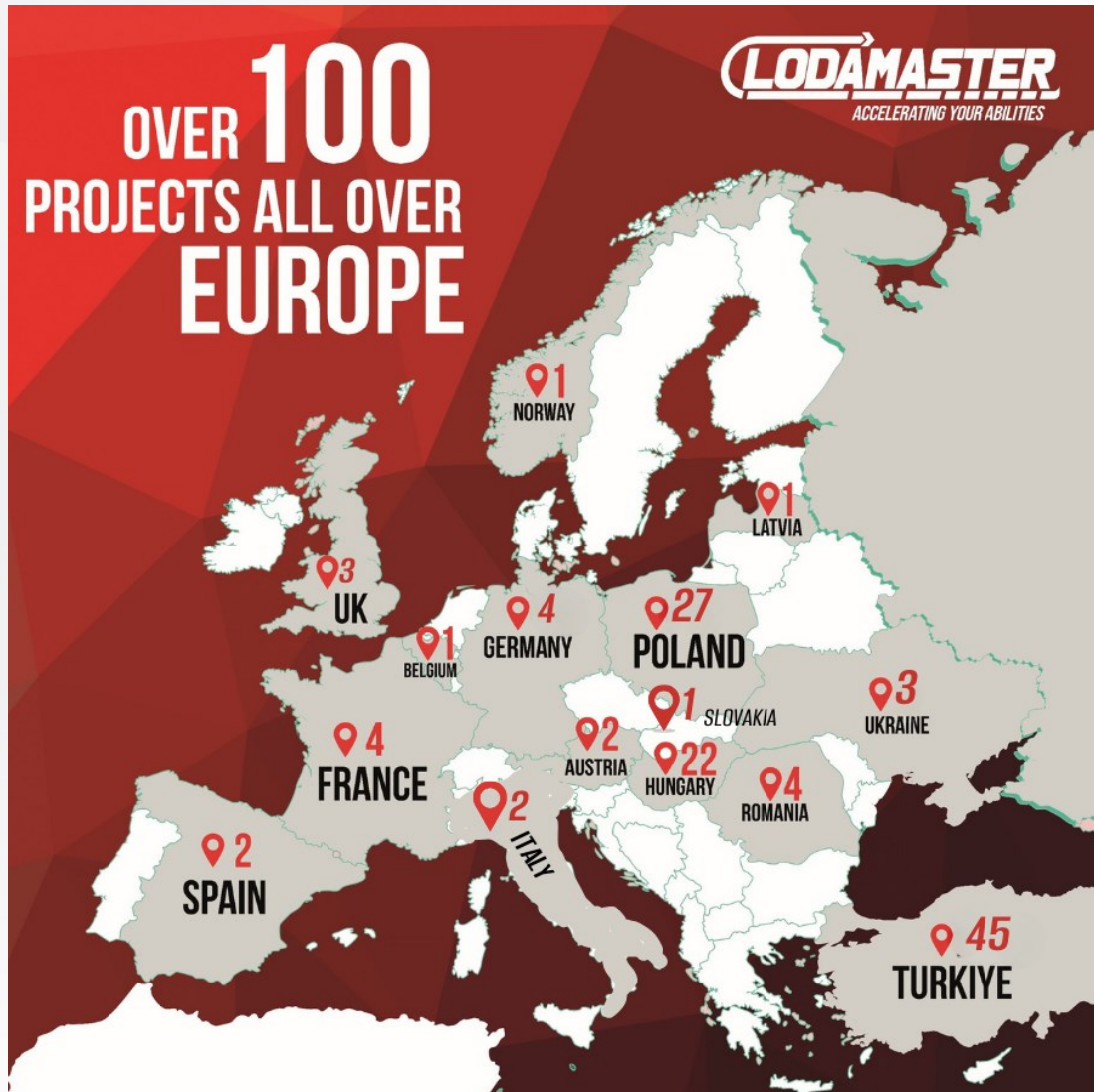
- Opening of Lodamaster Europe
- Commissioning of Inpost projects and Magyar Post Projects

**2022**

- Commissioning Trendyol (Alibaba) – Biggest E commerce and Sorting Center in Turkey and
- Commissioning of Amazon in Turkey



# Lodamaster Group | Projects



## 200+ Projects

Lodamaster company has commissioned more than 200 projects since its establishment and has a growth rate of 50% or more every year.



## 15+ Countries

Lodamaster has implemented projects in more than 15 countries, adhering to one of its main goals, "becoming an international player".



# Lodamaster Group | Mission & Vision

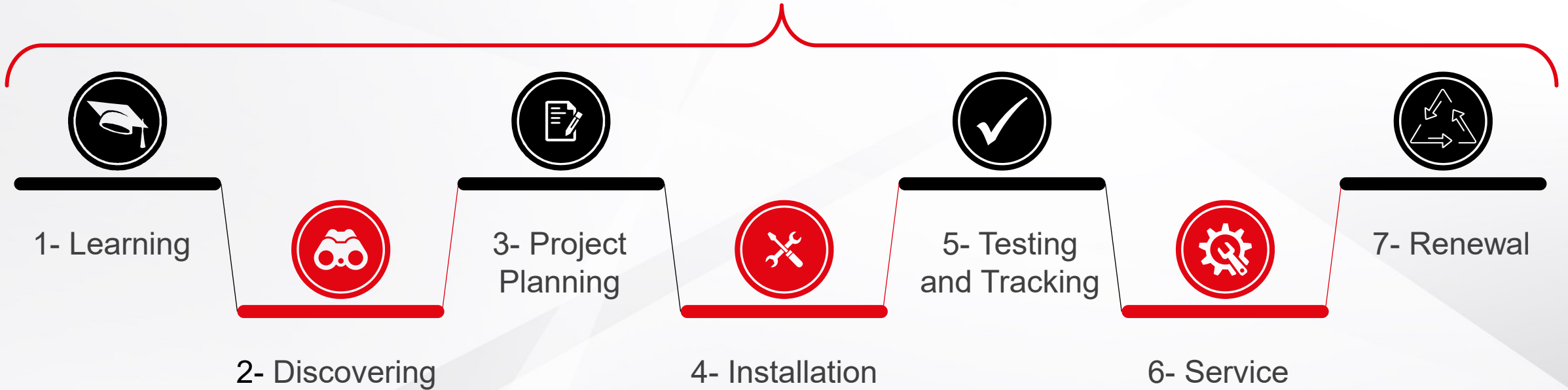


Lodamaster works for discovering and accelerating the abilities of companies in intralogistics and material handling processes.



To become one of the top 20 brands that carry out most of the material handling and intralogistics projects with the ability to produce customized solutions until 2028.

# Lodamaster Group | Lodamaster's Business Approach in 7 Steps





# Lodamaster Group | Solutions



## Technology Independence

Lodamaster is a technology-independent integrator. It has many technology partners all over the world and selects the right technology that fits the solution, not fit the solution around any technology.

**ALL IN-HOUSE SOFTWARE**

**TELESCOPIC CONVEYOR**

**Sorter Systems**

**ROBOTIC SORTING & ORDER CONSOLIDATION**

**CONVEYOR SYSTEMS**

**DWS SYSTEMS**

**VISUAL GUIDED ROBOTS**

**AUTOMATED PACKAGING**

**AUTOMATED STORAGE**

**PICK (PUT) TO LIGHT**

**PALLET AUTOMATION**

**AGVS AND AMRS**

[www.lodamaster.com](https://www.lodamaster.com)

Stability | Capability | Adaptability | Operability | Availability | Durability | Reliability

# Lodamaster Group | Industrial Smart Delivery Robot

Automatic  
Delivery

Multi-Robot  
Scheduling

Automatic  
Charging

IoT  
Compatibility

Deployment  
within minutes



## New AMR

Zero-cost and remote deployment



Dynamic routing and active  
obstacle avoidance



Strong environmental adaptability  
Flexible working modes and  
convenient workflow adjustment



Autonomous lift taking and passing  
electric gate



highly cost effective



VS

## Traditional Industrial Robots



Lay tracks or signs, complex  
deployment



Fixed route



Poor environmental adaptability and  
movement ability

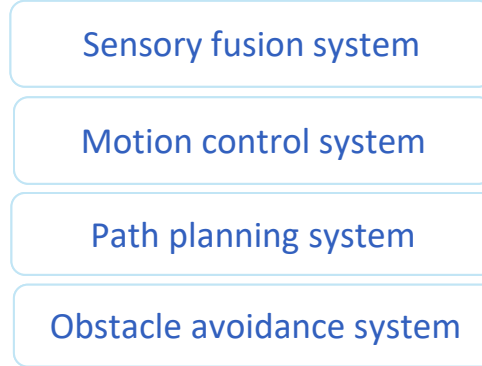
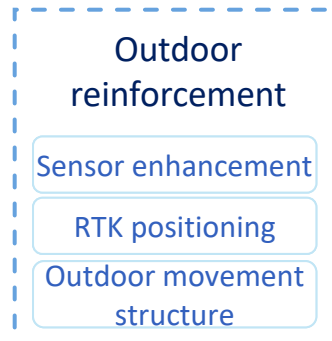
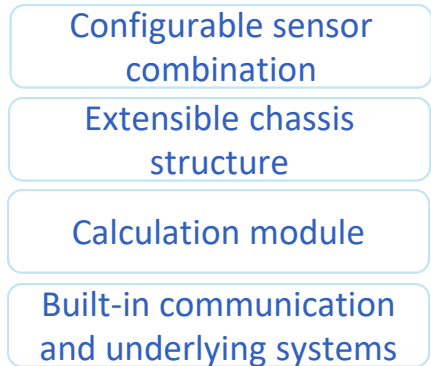
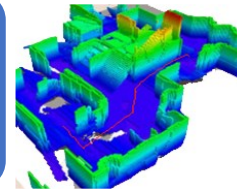
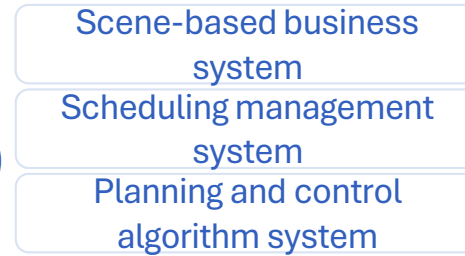
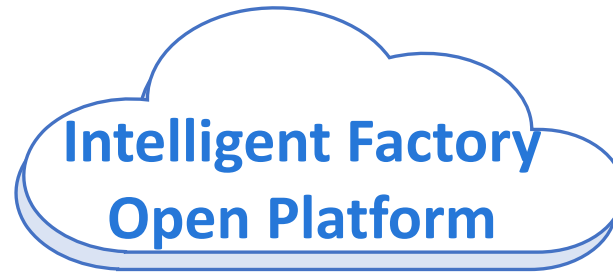


Unable to contact and pass through  
IoT equipment

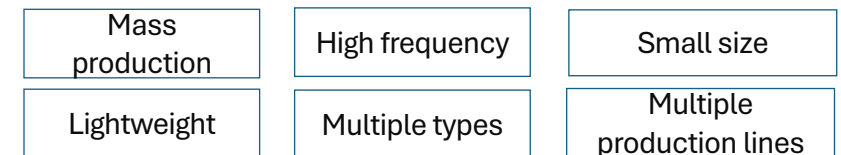


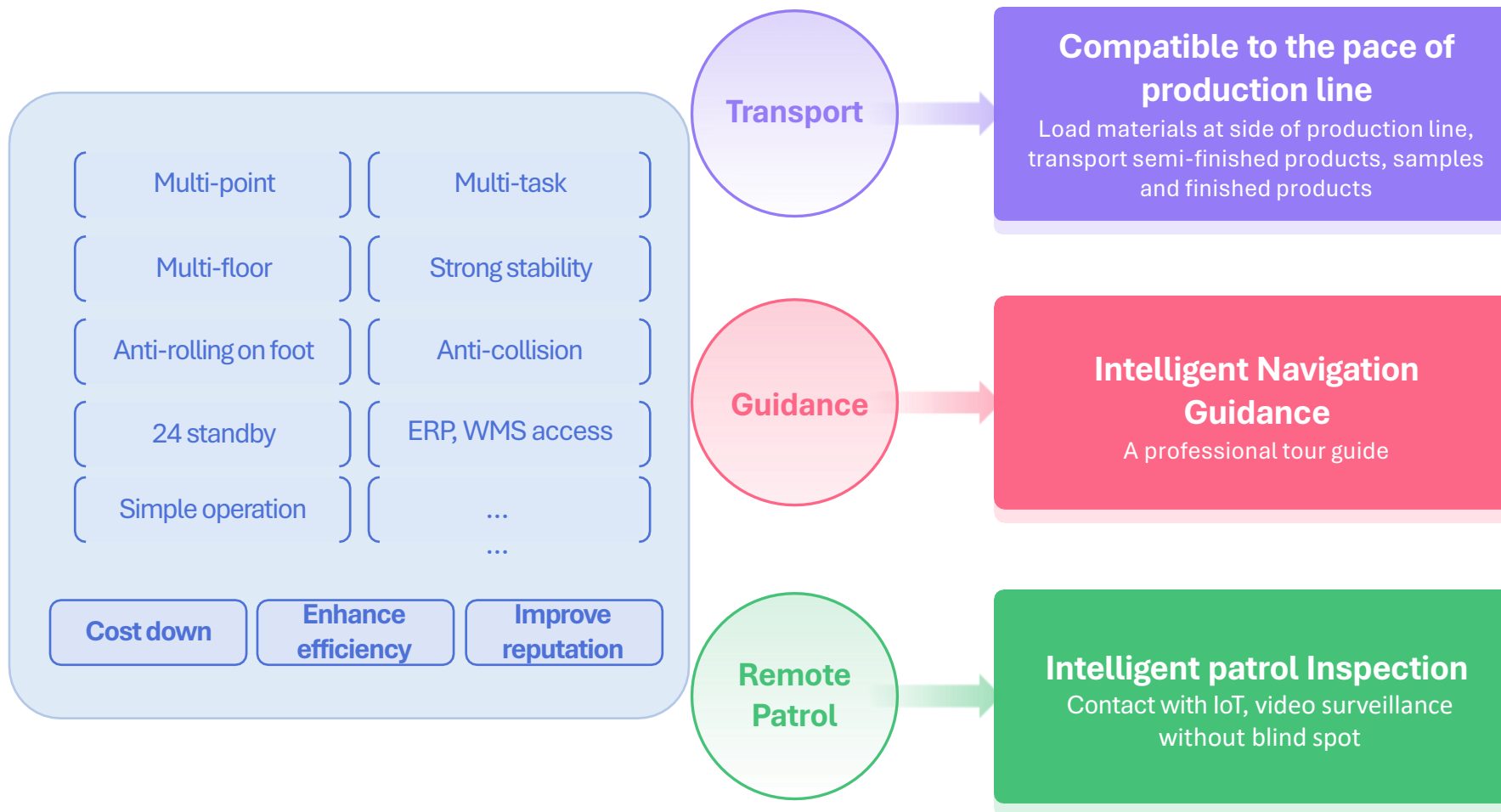
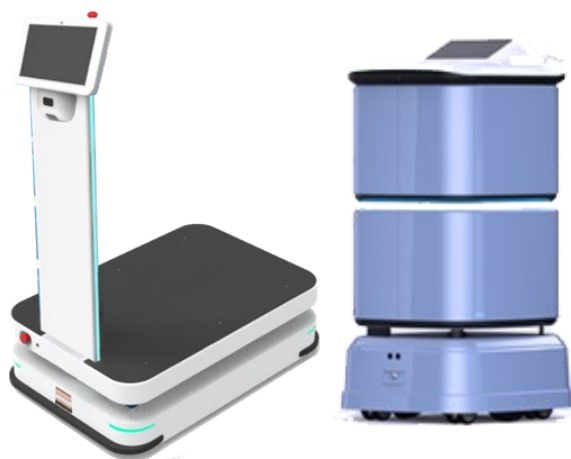
High price





## Applications







Multi-point  
delivery



Multi-robot  
collaboration



Max 1,5m/s



Multi-cabin  
combination



Rapid deployment



7\*24  
operation



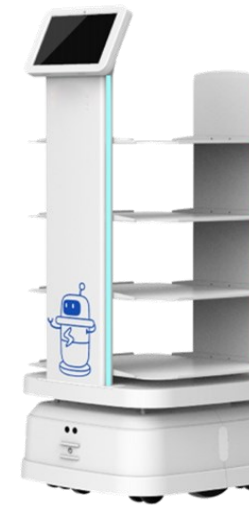
80 - 600 KG  
Payload



Lift - Low



10+  
Working Hours

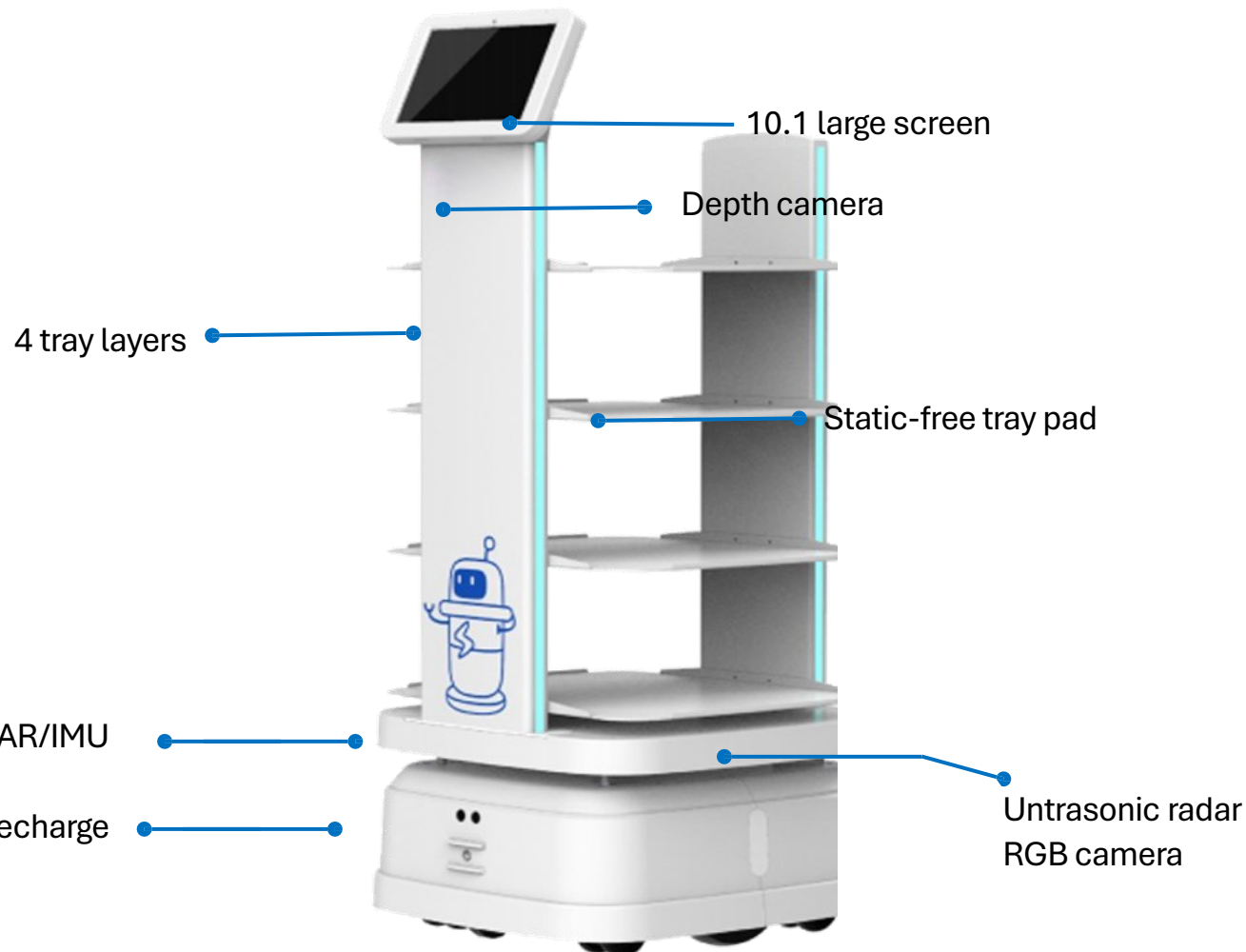


Applicable  
scenarios

Lab Enterprise Factory Logistics Airport Hotel



## Lightweight and Agile



Multi-point  
delivery



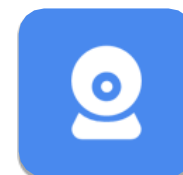
Multi-robot  
collaboration



Rapid deployment



50\*57\*124 (cm)  
Dimension



Max 1,5m/s



$\leq 8^\circ$   
Slope



80 KG  
Payload

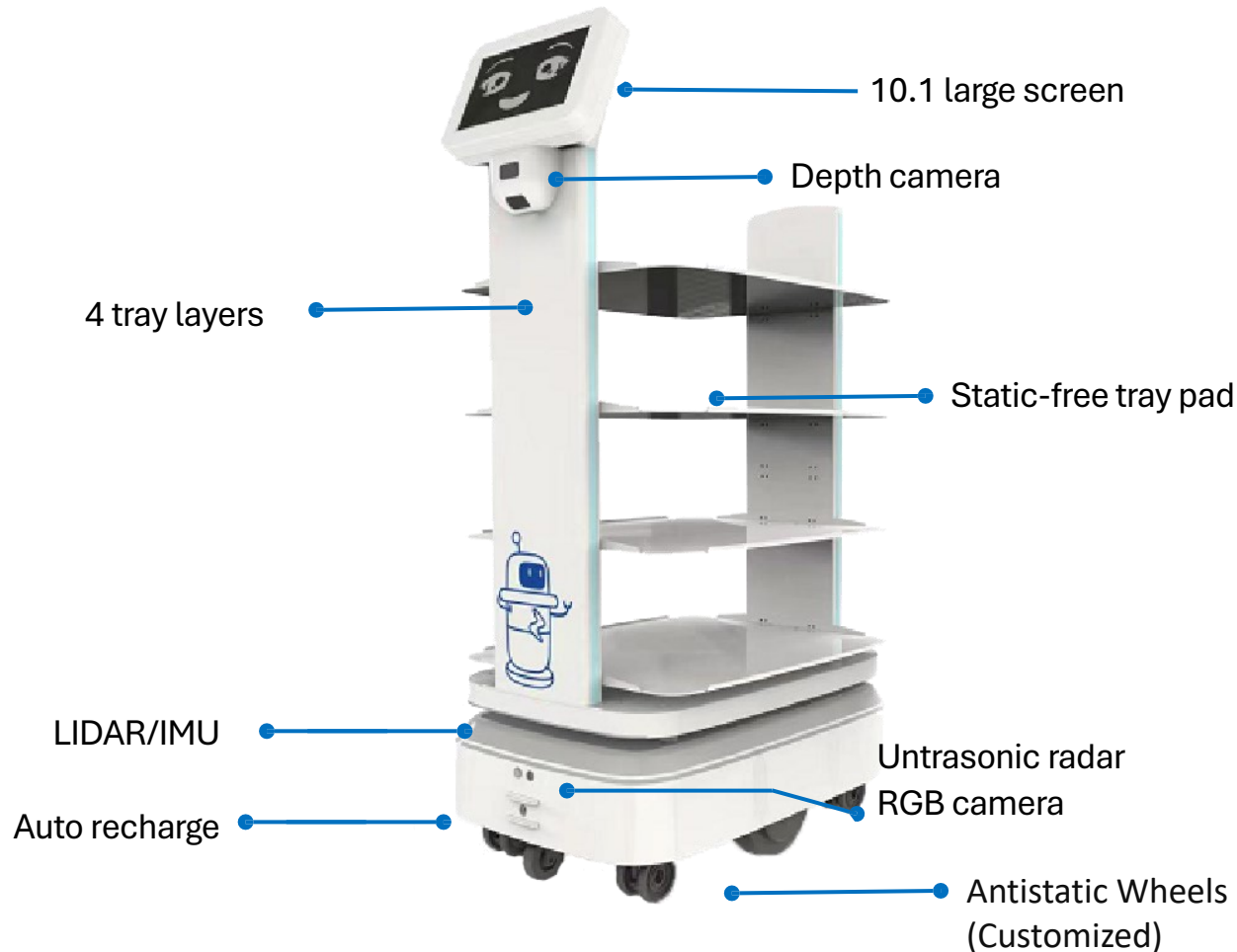


$\leq 10$   
Working Hours



$\leq 4$   
Charging Time

### 200KG Load Capacity Flexible Customizable Cabin



Multi-point  
delivery



Multi-robot  
collaboration



Rapid deployment



50\*71\*124 (cm)  
Dimension



Max 1,5m/s



≤ 8°  
Slope



200 KG  
Payload

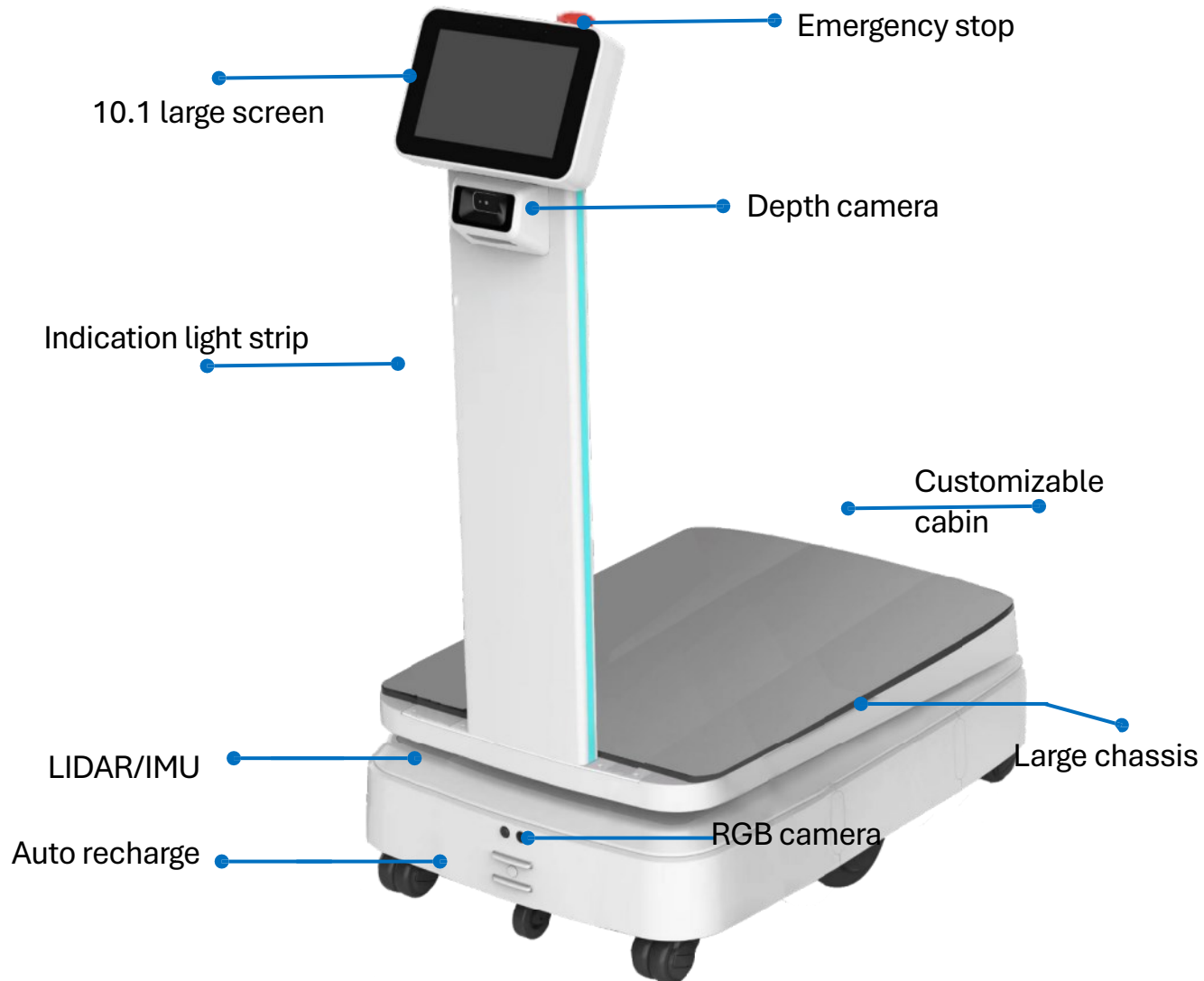


≤ 12  
Working Hours



≤ 5  
Charging Time

### Carry Larger Volume with Oversized Version



Multi-point  
delivery



Multi-robot  
collaboration



Rapid  
deployment



60\*90\*124 (cm)  
Dimension



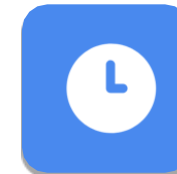
Max 1,5m/s



≤ 5°  
Slope



200 KG  
Payload



≤ 10  
Working Hours

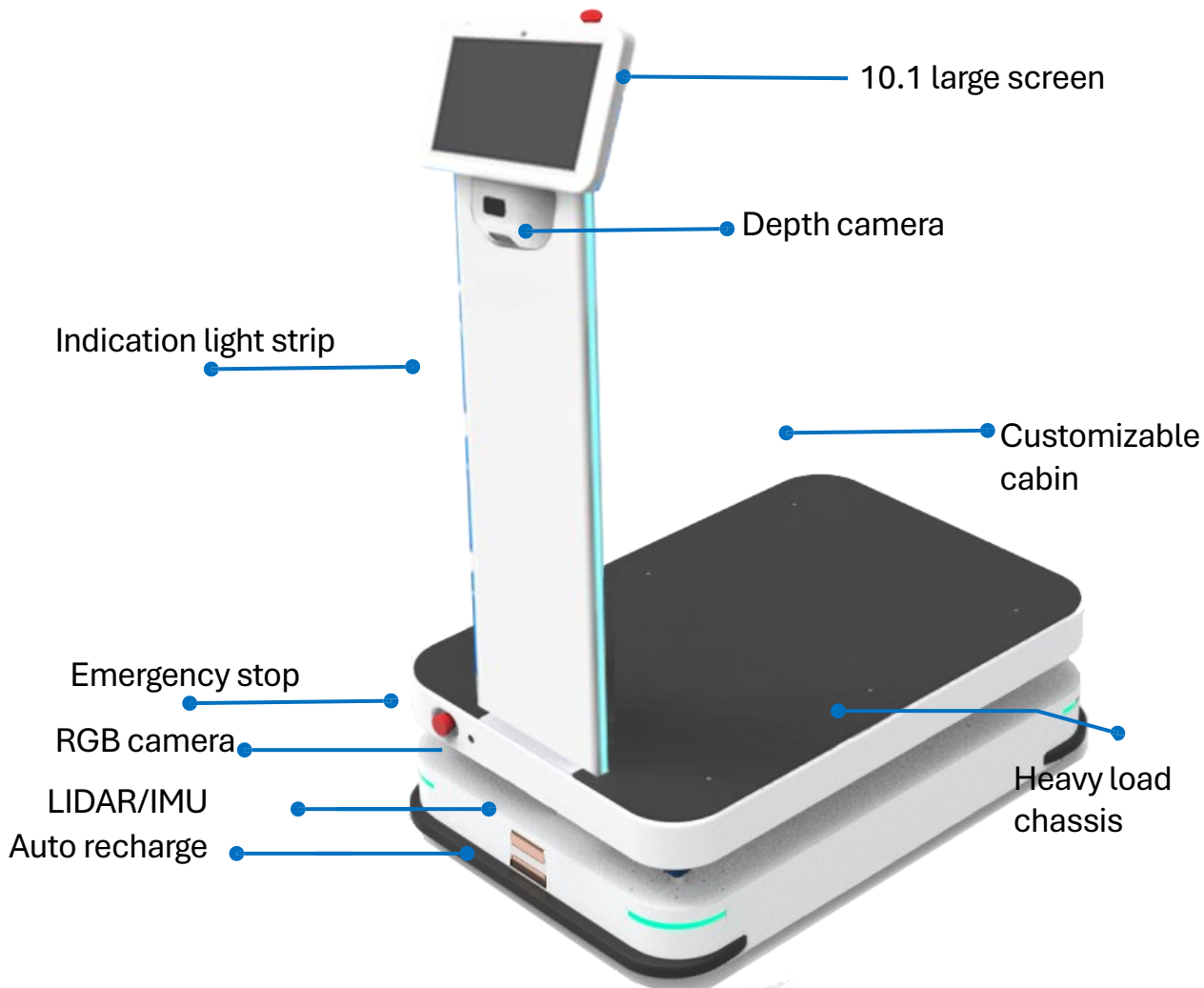


≤ 5  
Charging Time



### Heavy-Duty Version

### Balancing heavy load and flexibility



Multi-point  
delivery



Multi-robot  
collaboration



Rapid  
deployment



95\*65\*124 (cm))  
Dimension



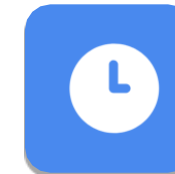
Max 1,5m/s



≤ 5°  
Slope



300 KG  
Payload

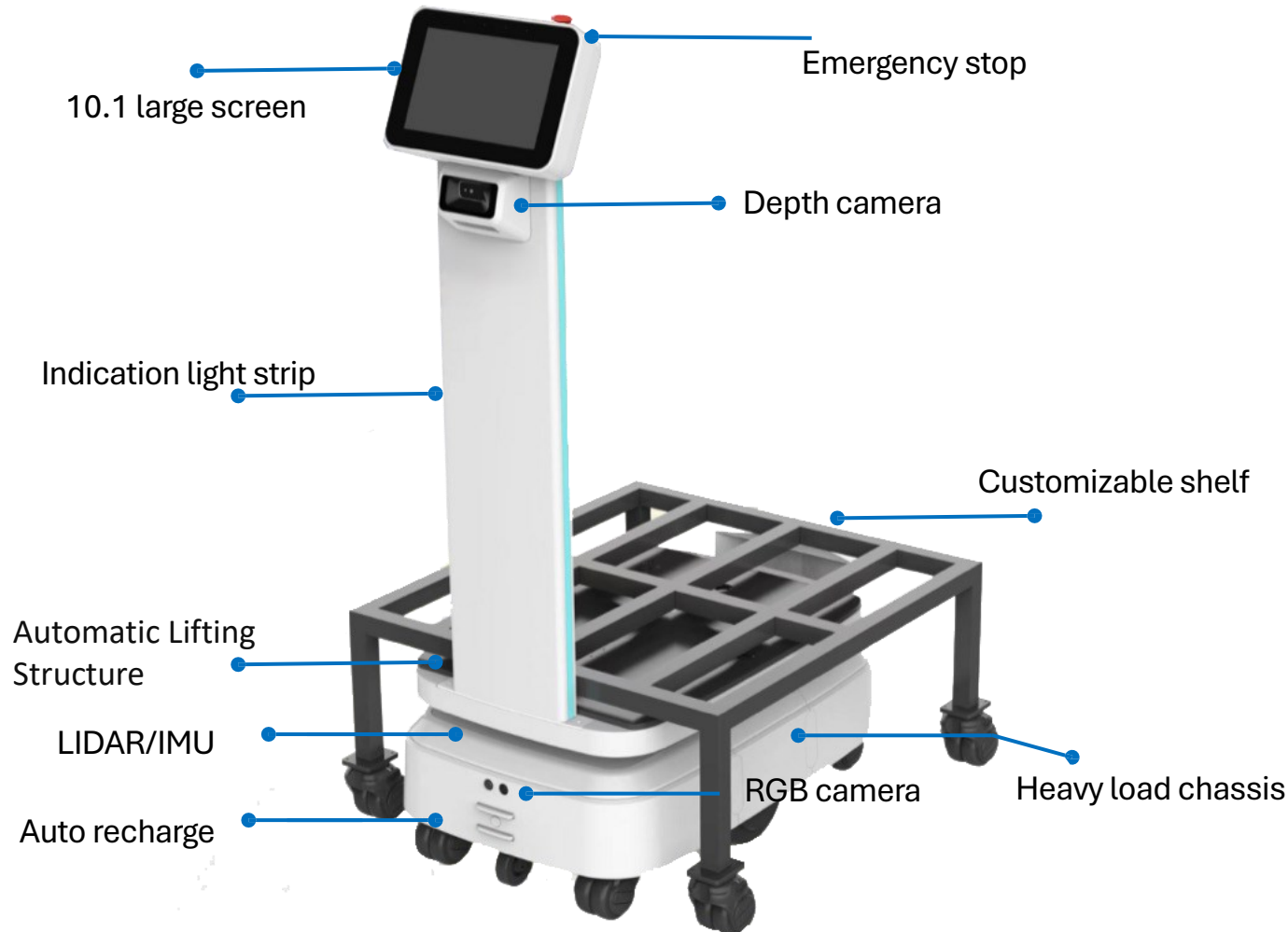


≤ 8  
Working Hours



≤ 5  
Charging Time

### Automatic Lifting Flexibly Adapting to Your Custom Shelves



Lift / Lower



Multi-robot  
collaboration



Rapid  
deployment



50\*71\*124 cm  
Dimension



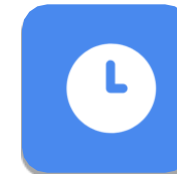
Max 1,5m/s



≤ 8°  
Slope



150 KG  
Payload

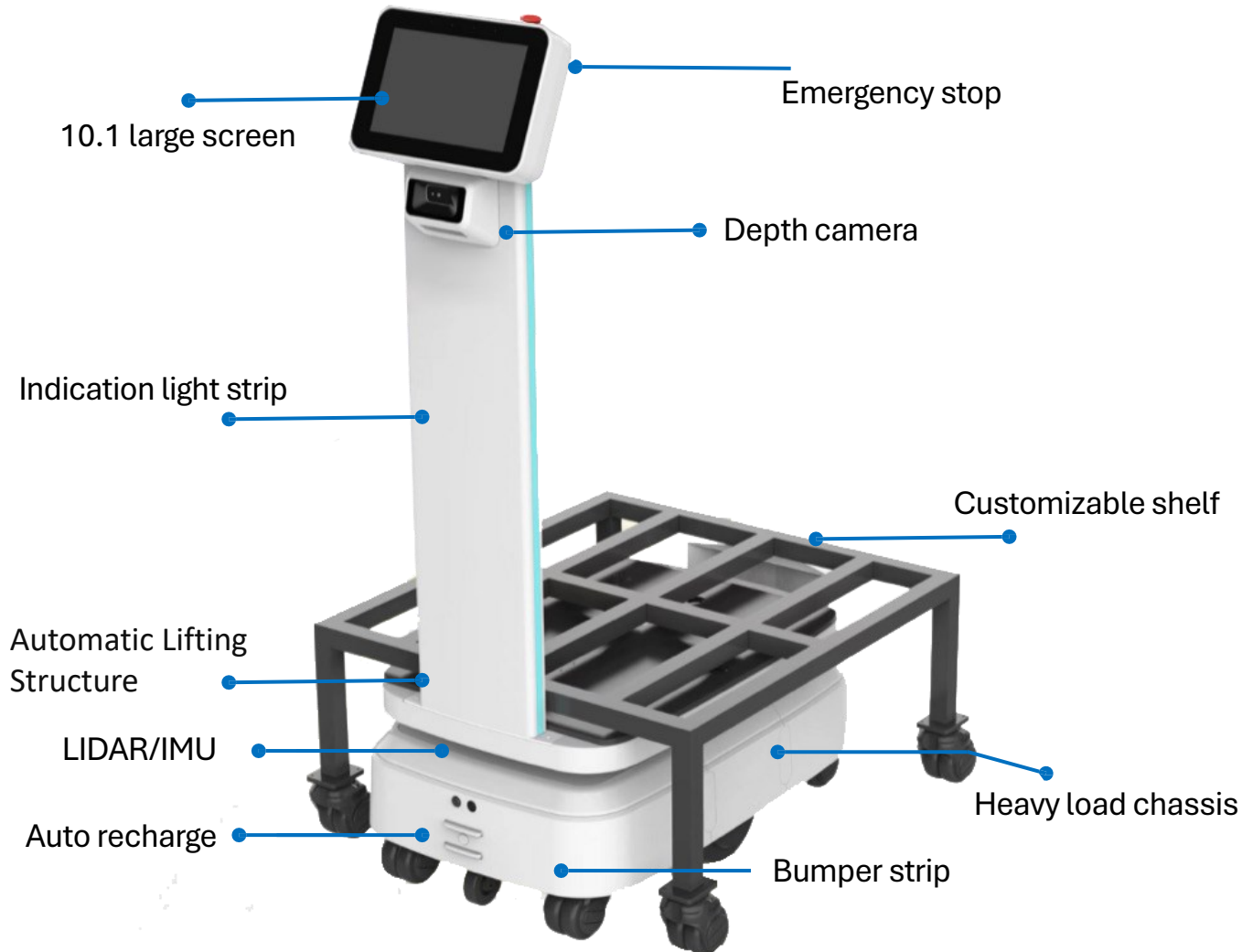


≤ 10  
Working Hours



≤ 5  
Charging Time

### 600KG Heavy-Duty Lifting Flexibility in Deployment



Lift / Lower



Multi-robot  
collaboration



Rapid  
deployment



65\*95\*124 cm  
Dimension



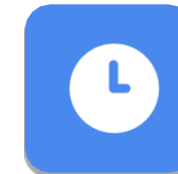
Max 1,2m/s



≤ 5°  
Slope



600 KG  
Payload



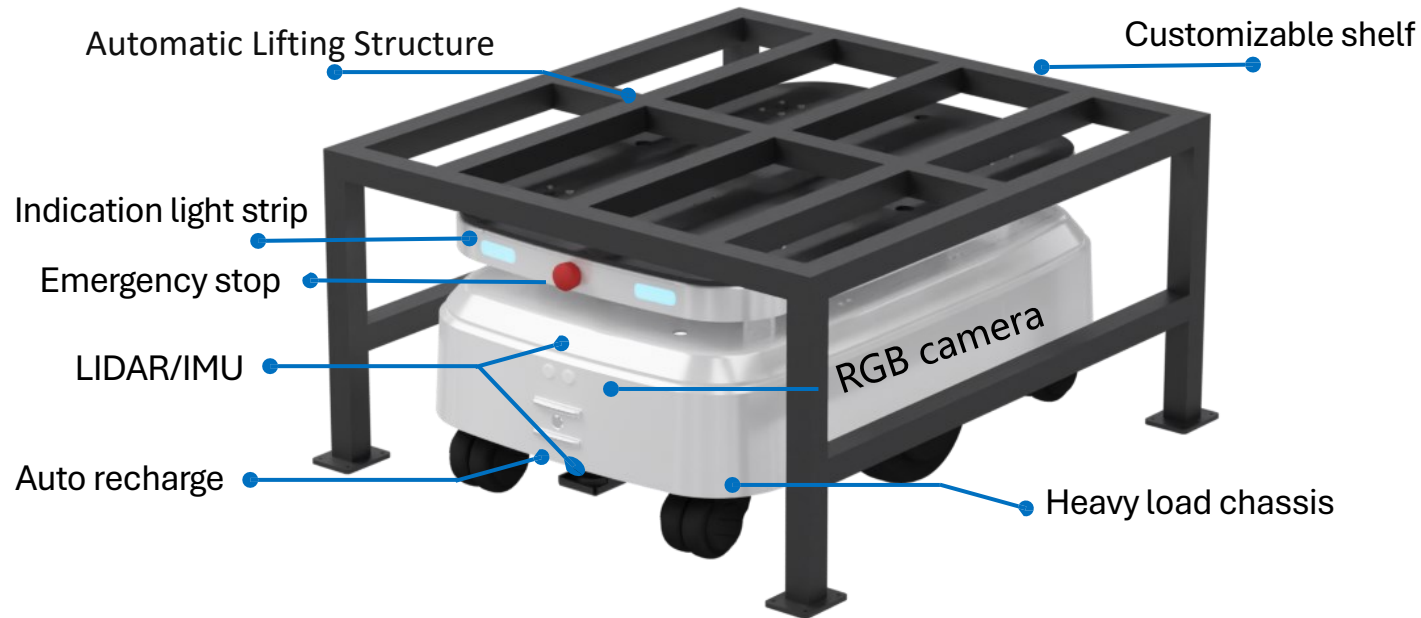
≤ 10  
Working Hours



≤ 4  
Charging Time

### Sub Lift

### Flexible and Support Fleet Dispatch



Lift / Lower



Multi-robot  
collaboration



Rapid  
deployment



50\*71\*31 cm  
Dimension



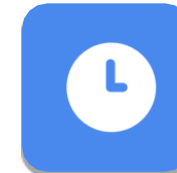
Max 1,5m/s



≤ 8°  
Slope



150 KG  
Payload



≤ 10  
Working Hours



≤ 5  
Charging Time





Multi-point  
delivery



Multi-robot  
collaboration



Set time and route  
Cruise delivery



Multi-cabin  
combination



Rapid  
deployment



7\*24



Password lock



Delivery  
notification



Elevator / Gate  
Intelligence



Applicable  
scenarios

Office building Enterprise Factory



Multi-point  
delivery



Multi-robot  
collaboration



Rapid deployment



50\*57\*124 (cm)  
Dimension



Max 1,5m/s



$\leq 8^\circ$   
Slope



40 KG  
Payload



$\leq 10$   
Working Hours



$\leq 4$   
Charging Time



Applicable  
scenarios

Office building

Enterprise

Factory

Restaurants

Hotels



16L  
Tank Volume



Air Disinfection



Rapid deployment



54\*49\*130 (cm)  
Dimension



1000m<sup>2</sup> / 15 min



≤ 9°  
Slope



%99  
Sterilization



≤ 6  
Working Hours



≤ 3  
Charging Time



Applicable  
scenarios

Office building

Enterprise

Factory

Hospitals

Hotels





13L  
Tank Volume



Air Disinfection



Rapid deployment



42\*42\*77 (cm)  
Dimension



1000m<sup>2</sup> / 15 min



≤ 9°  
Slope



%99  
Sterilization



≤ 6  
Working Hours



≤ 3  
Charging Time



Applicable  
scenarios

Office building

Enterprise

Factory

Hospitals

Hotels



Low Energy  
Consumption



Multi-robot  
collaboration



Max 3m/s



Customizable  
Carrier



Rapid deployment



7\*24  
operation



5 - 50 KG  
Payload



5m  
Charge



4+  
Working Hours



Applicable  
scenarios

Factory

Warehouse



Low Energy  
Consumption



Multi-robot  
collaboration



Max 3m/s



Customizable  
Carrier



Rapid deployment



7\*24  
operation



5 - 50 KG  
Payload



5m  
Charge



4+  
Working Hours

Applicable  
scenarios

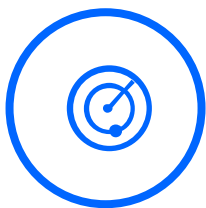
Factory

Warehouse





# Intelligent Perception, Decision-Making and Control



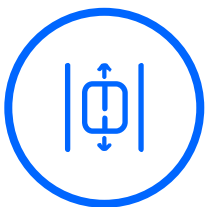
Obstacle  
Avoidance



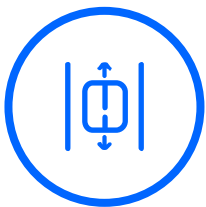
Automatic  
Recharging



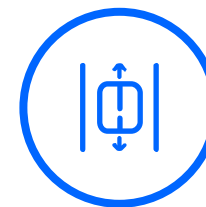
Intelligent  
Map Creation



Elevator



Gate



Automatic  
Door





# Product Advantage: Centimeter-Level Autonomous Positioning, Navigation, and Obstacle Avoidance

The self-developed AX-Mind algorithm enables easy positioning, navigation, and obstacle avoidance in complex environments

- l Based on AI deep learning algorithm for multi-sensor perception fusion
- l Global + local multi-level navigation route planning
- l Maximizes the reduction of blind spots
- l Stable operation of multiple machines in complex indoor environments

## Product Advantage – Smooth Transportation, noiseless

### Accurate Speed Control Fast and stable movement

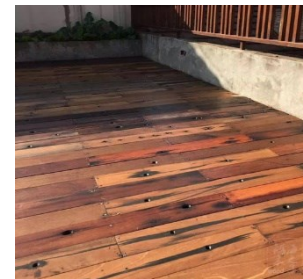
- | Precise speed control, smooth starting and braking
- | Autonomous suspension damping solution
- | Thick carpet, wooden floor, marble joint, upper and lower slopes can be passed



Carpet



Cement



Floor



Ceramic

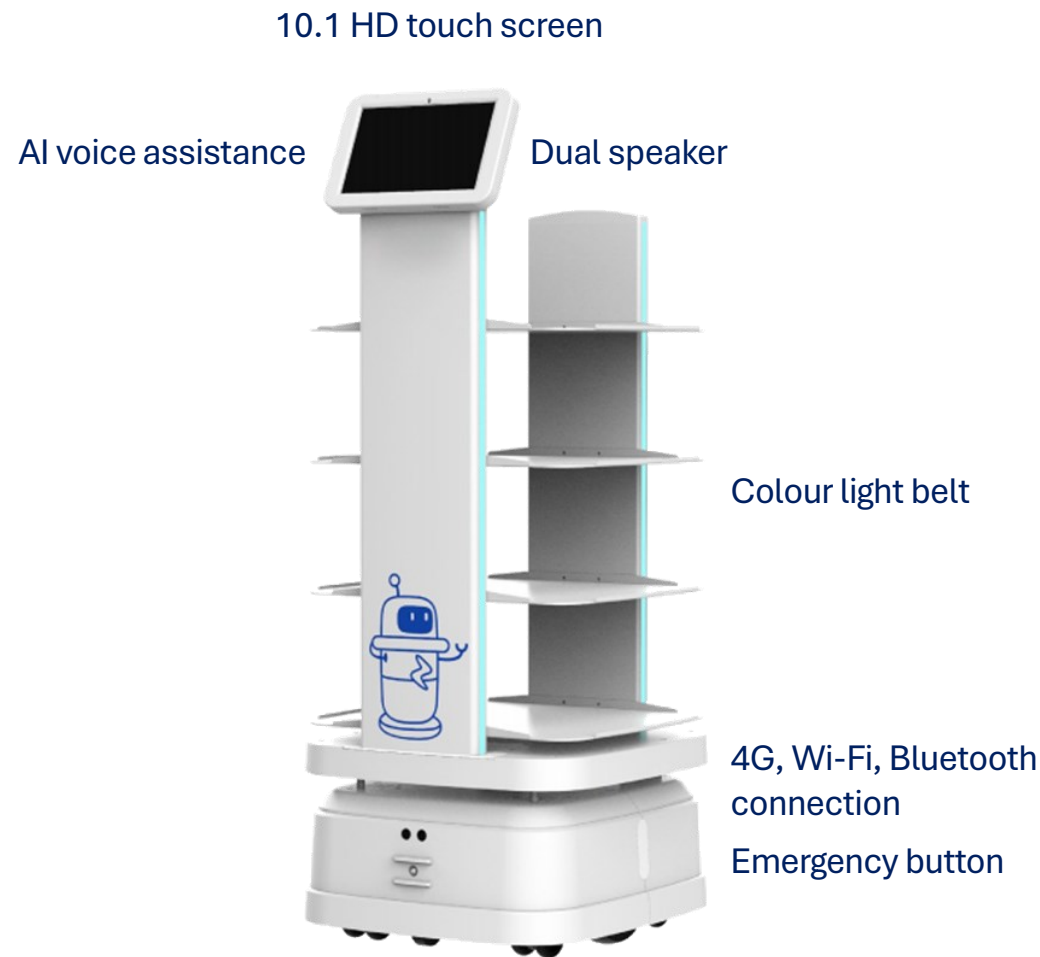


# Lodamaster Group | Advantages

## Product Advantage – Smooth and Convenient Man-Machine Interaction

### Multiple Interaction Modes Simple Operation

- l Multimodal interactions of touch screen interaction, voice interaction, etc., user-friendly experience
- l 10.1 inch large screen, HD image quality display
- l 10+ kinds of lighting reminders
- l AI voice assistance, smart reminder
- l Compare to traditional AGV, it is operable simultaneously at robot terminal or by remote control



# Lodamaster Group | Advantages

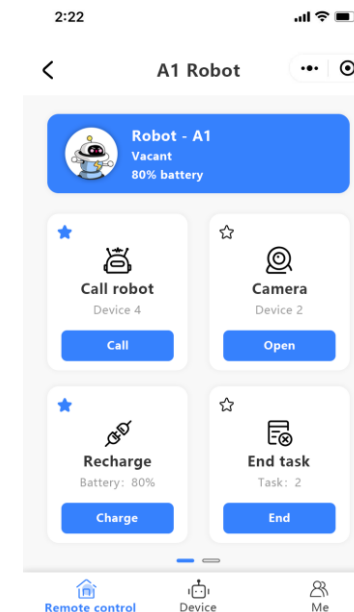
**Product Advantage – Hardware + APP + Intelligent Platform + Monitoring Screen**

**Terminal + management platform + cloud integration solution**

- Operable on robot terminal, phone, PAD, PC, etc.
- Real-time remote monitoring, scheduling and task dispatching on on cloud
- Standardize management via big data analysis, trackable work process
- Remote task dispatch, unattended working, contactless delivery
- Open API: accessible to factory business systems (ERP, WMS)



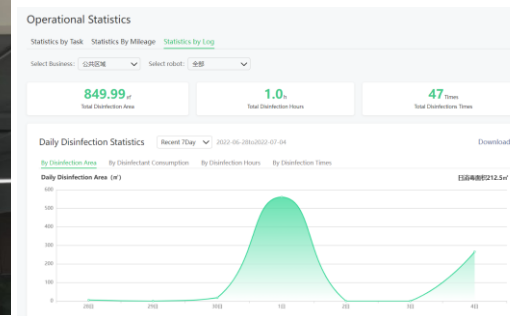
Robot



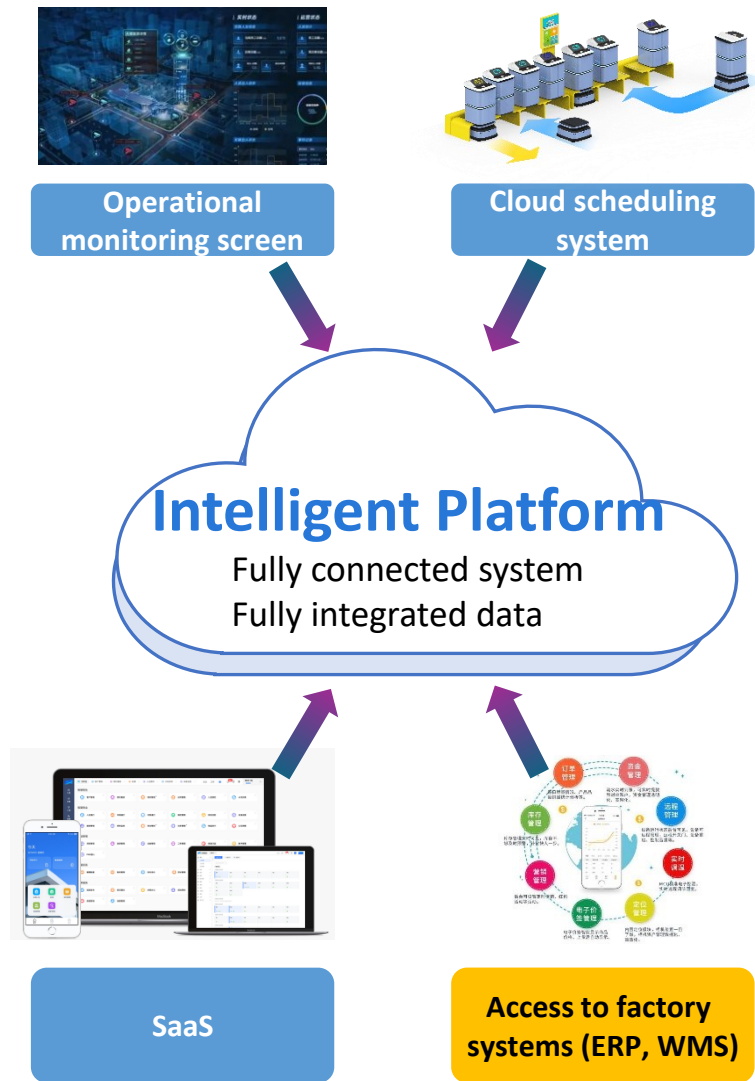
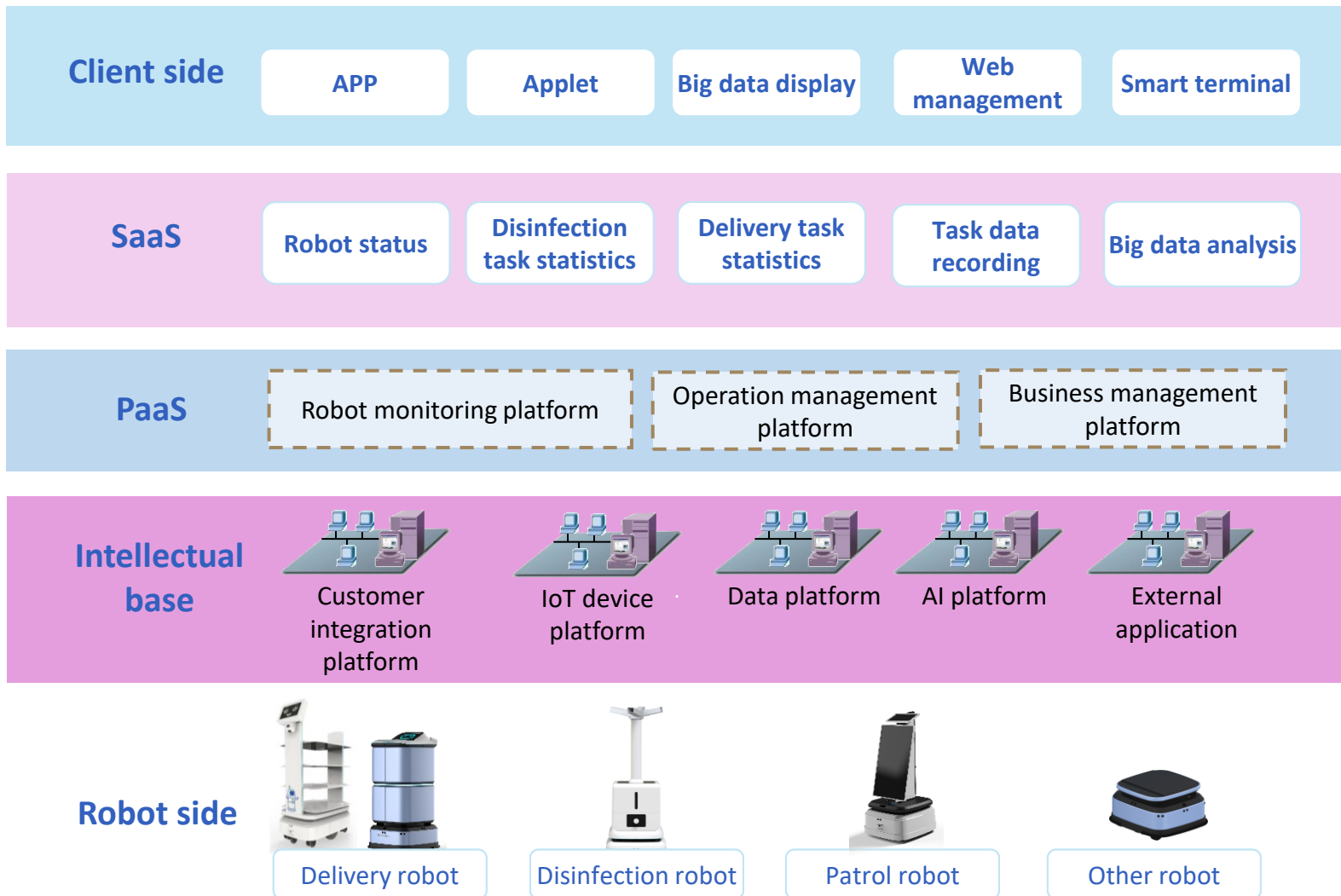
Phone



Cloud



Data-driven platform for factory goods circulation



# Lodamaster Group | References

trendyol<sup>.com</sup>

amazon



arvato  
BERTELSMANN

AYDINLI

ekol | LOGISTICS 4.0



dpd

LA POSTE



DeFacto



InPost

ceva  
LOGISTICS



LC Waikiki

B/S/H/

hepsiburada



COLIN'S

LACOSTE

Sumitomo



Unilever

TEKNO SA



mavi

DB SCHENKER



KUEHNE+NAGEL

Continental



# Lodamaster Group | Contact

