

Industry Solution

Healthcare



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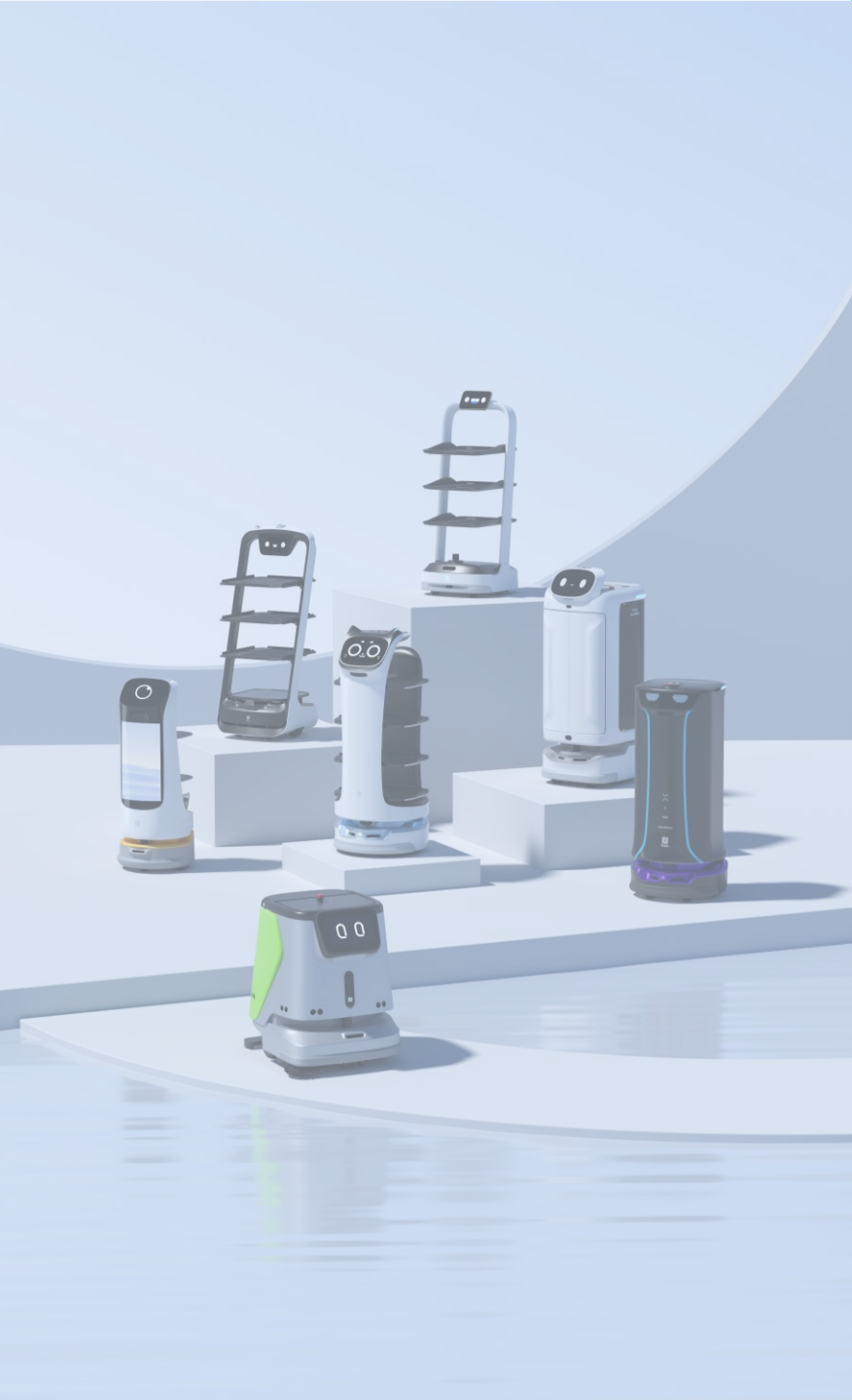
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01

Industry Overview



Equipment



Pharmaceutical



Biotechnology



Veterinary healthcare

What's the healthcare sector ?

Any company involved in products and services related to health and medical care are represented in the healthcare sector and further segmented by type into 5 main industries. The industries include **healthcare services**, pharmaceutical drugs, medical equipment, biologics, and veterinary healthcare.

* Resource from researchandmarkets.com



Healthcare services

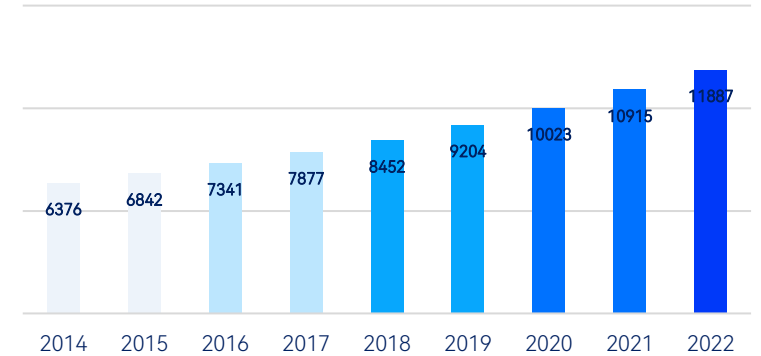
How big is the healthcare sector ?

The healthcare market value reached nearly \$8,452 billion in 2018, a growth of 7.3% since 2014. reaching almost \$11,908.9 billion by 2022.

- Healthcare services were the largest segment of the healthcare market, accounting for **79.4%**.

Global healthcare sector market size

From 2014 to 2022 (USD Billion)



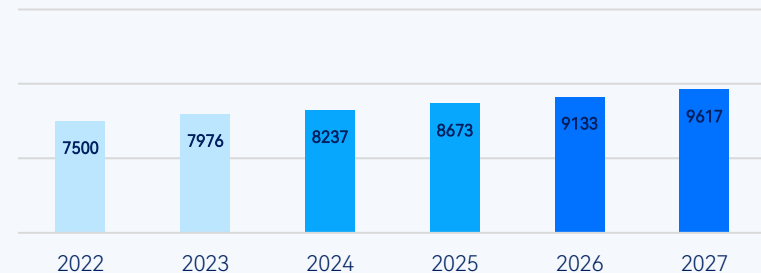
* Resource from Research And Markets.com

The global healthcare services market grew from \$7,500 billion in 2022 to \$7,976 billion in 2023 at a compound annual growth rate (CAGR) of 6.3% and also expected to grow to \$9,816.85 billion in 2027 at a CAGR of 5.3%.

- The healthcare services is composed of three sections: **professional medical services** (hospital, clinic, ophthalmology, dental, assisted reproduction, etc.), **medical cosmetology** (medical beauty, hair transplant, etc.), and **health management** (physical examination, maternity, sports health care, nutritional psychology, etc.).

Global healthcare service market size

With a forecast from 2022 to 2027 (USD Billion)



* Resource from ReportLinker

Pain points in healthcare service

Professional medical services



Challenges of an aging society

With the increasing trend of population aging, the demand for healthcare services continues to grow, putting pressure on the healthcare system.



Medical cosmetology



Unequal distribution of healthcare resources

Some regions suffer from a lack of medical resources and face a shortage of healthcare professionals, making it difficult for patients to access timely and high-quality healthcare services.



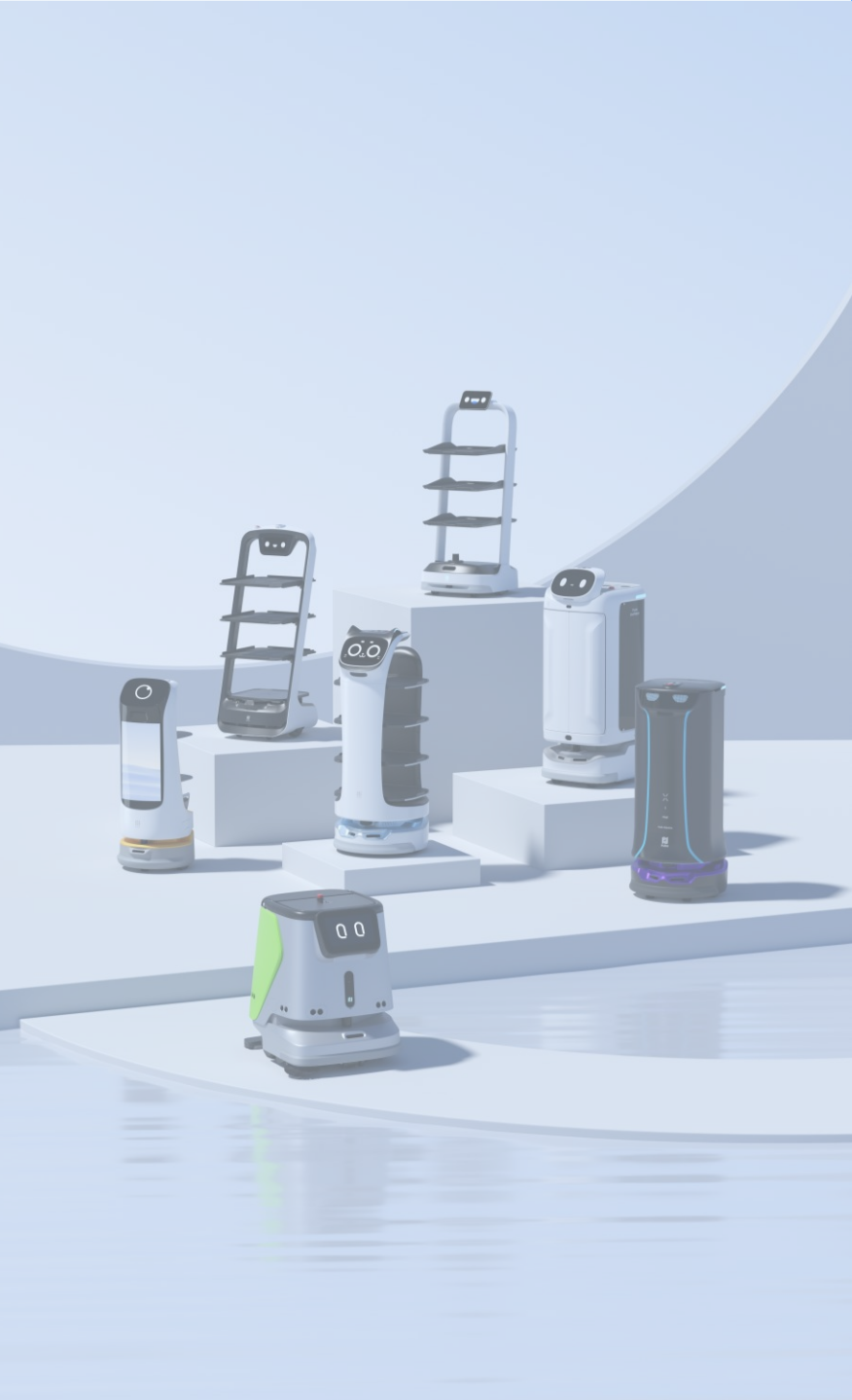
Health management



Bad patient experience

Several factors that contribute to a poor patient experience include : Lack of convenience for patients, The atmosphere of the healthcare institution, Longer wait times , Lack of transparency





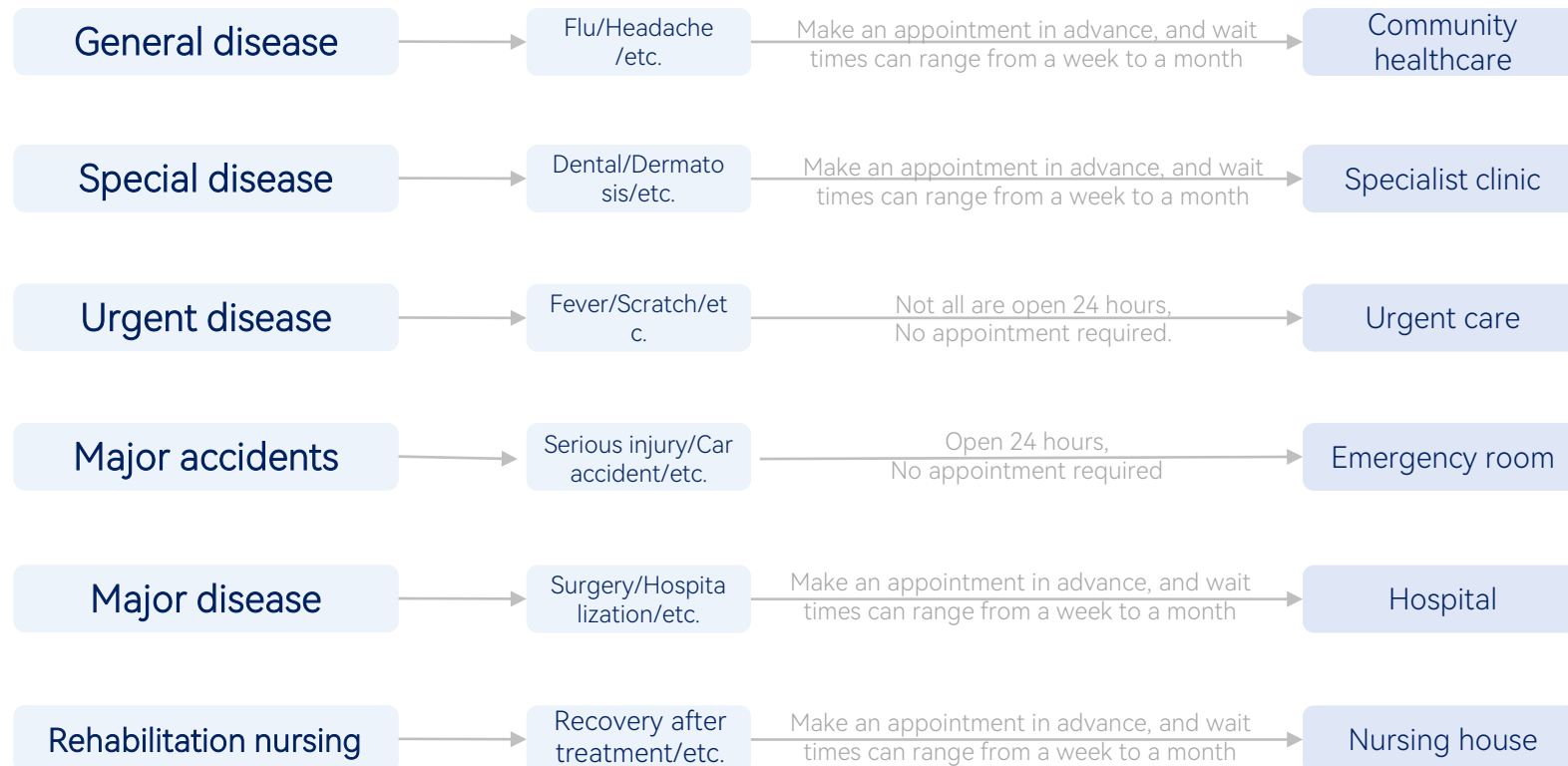
02

Scenario Solutions

Category of medical institutions

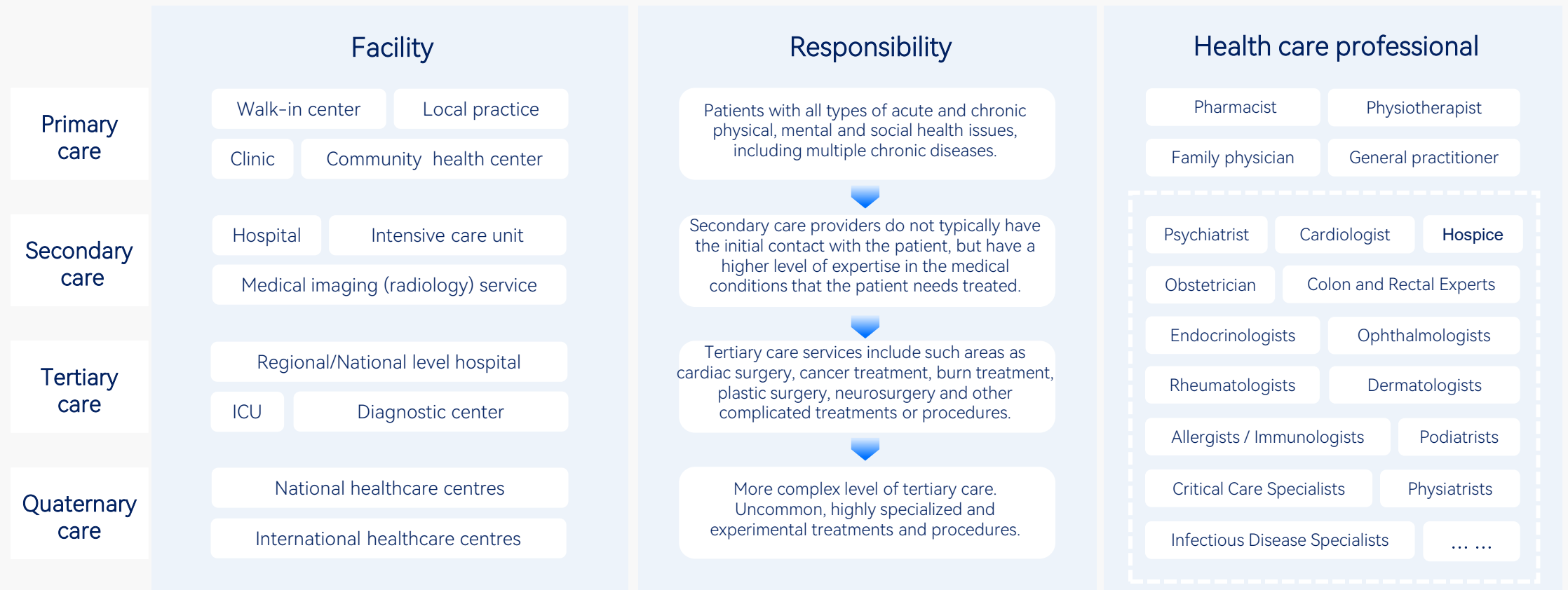
What are the different types of health care facilities ?

The health care infrastructure is a complex system of facilities, insurance plans, professionals, technologies, and more. Health care administrators look after the core facility types: hospitals, outpatient clinics, long-term care facilities, clinical labs, and hospices. These facilities collaborate to deliver high-quality health care to patients and communities.



Hierarchical diagnosis and treatment

The triage effect can promote the sinking of high quality resources and improve the capacity for medical services of grassroots medical institutions through the interaction and coordination of medical personnel between grassroots medical institutions and superior hospitals, Its improvement can help improve service efficiency, reduce waste of resources, and promote the coordinated development of medical institutions.



8 main processes for medical treatment

There are 8 general steps involved in the medical treatment processes, which assisted patients get better soon.



Overview of scenario-based schemes

PUDU Healthcare Industry Solution

Committed to leveraging intelligent solutions to optimize resource allocation and enhance service capability of healthcare institutions.



Robot



Medical worker



Patient

- Optimized [patients](#) healthcare treatment experience
- Reduce the workload of [medical workers](#).
- Assist [medical institutions](#) to allocate medical resources rationally



01 “Advertising” scenarios

- ✓ Pre-Triage Station
- ✓ Hall of healthcare institution
- ✓ Nurses station
-

02 “Disinfection” scenarios

- ✓ ICU
- ✓ Surgery rooms
- ✓ Pathology department
-

03 “Delivery” scenarios

- ✓ ICU
- ✓ Surgery rooms
- ✓ Pathology department
-

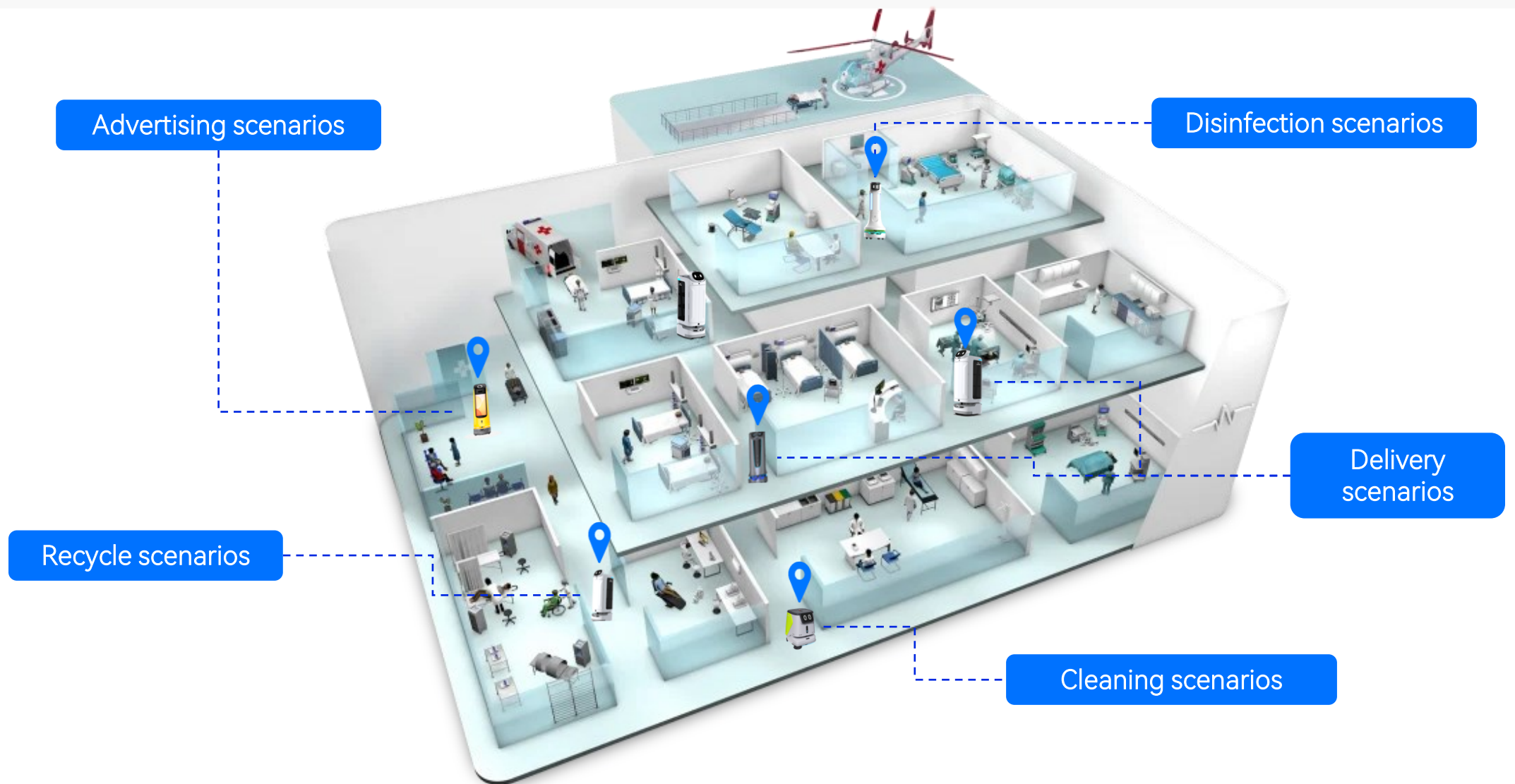
04 “Recycle” scenarios

- ✓ Surgery rooms
- ✓ ICU
- ✓ Clinical lab
- ✓ Infection Dept .
-

05 “Cleaning” scenarios

- ✓ Public area of hospital
- ✓ Inpatient department
-

Overview of scenario-based schemes



Scenario scheme 1: Advertising scenarios

More attractive, More customizable for specific scenarios

- Preview and triage
- Propaganda and education
- Medication guidance
- Health knowledge
- Hospital information



Ketty

18.5" Ads screen, variety promotion

Promotion more accuracy

- Utilizing intelligent LCD screens to attract patients from all angles
- Large advertising screens better fitting the patients' perspective
- Combining with speakers to significantly broadcast medical treatment processes & announcements
- Supporting multiple scenarios, allowing for customizable media size and content
- Supporting various types of media, such as audio, video, images, and links



PUDU2

32" Capacitive touch advertising screen

The interaction is diversified

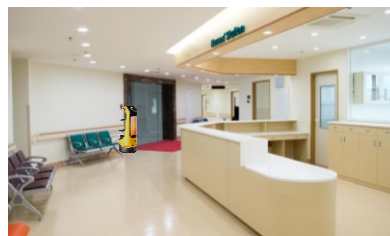
- Seamlessly integrated mobile robots with advertising screens
- Display a variety of videos and showcase promotional content in real time.
- Indoor mobile advertising machine can bring message directly to target audience
- Product promotion, brand promotion, and marketing display, easily achieve marketing objectives



Department entrance



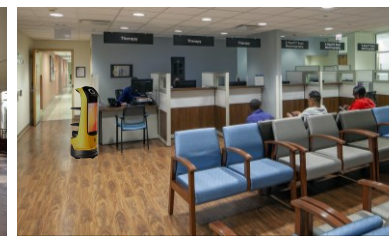
Information



Nurse station



Registration



Waiting room

Scenario scheme 1: Advertising scenarios

Professional medical information transmitter



Scenario scheme 2: Delivery scenarios

01 Closed encryption hatch

Full of science and technology, the distribution process is safe and worrisome, and the distribution of medical stuffs is safe and assured.

02 Automatic recharge

Supports automatic recharge without manual assistant, worrisome and efficiency, 7x24H unstop working

03 Cross-floor distribution

Through the connection with the elevator, access control, gate machine, to achieve cross-layer cross-domain distribution

FlashBot

Ultra-private distribution

- Single multitasking
- Multi-iot approach
- Move dynamic path prompts
- Pass by 75CM guest corridors



Multifunctional distribution

- Customized projection
- Large capacity for more items
- Connected Aromatherapy, atomizer, mobile atmosphere accentuated

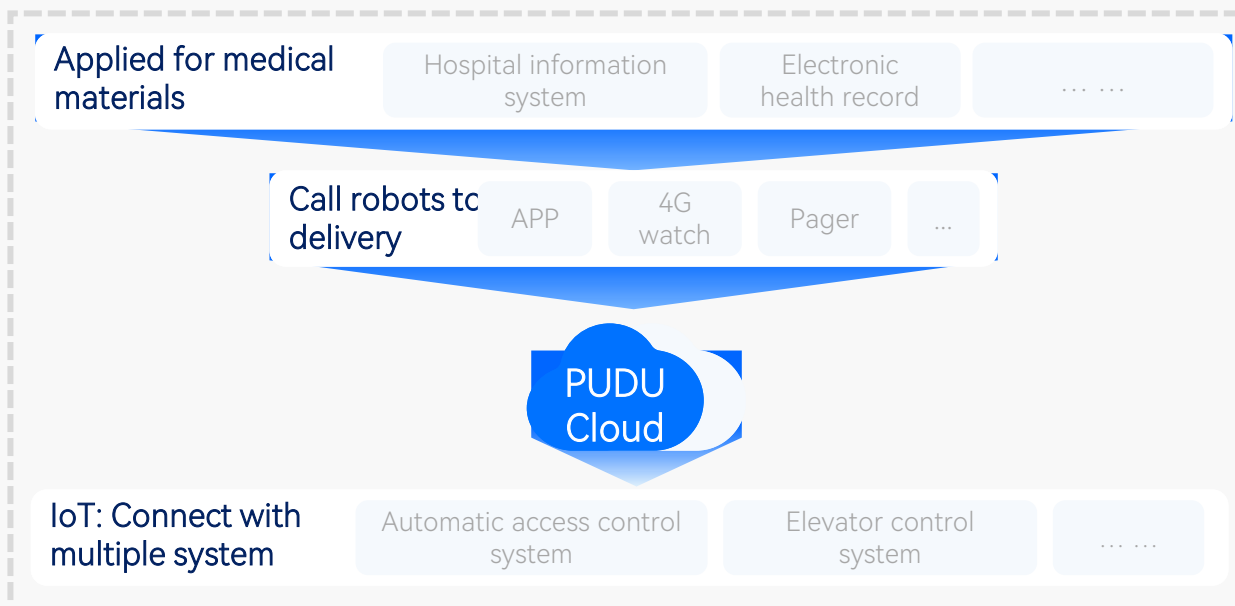


SwiftBot



Scenario scheme 2: Delivery scenarios

Intelligent logistics solutions for Operating room

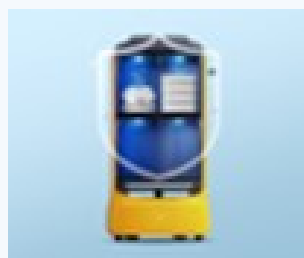


By connecting with the high-value consumables management system in the operating room and HIS (Hospital Information System), the robot can realize the ordering and automatic logistics distribution between the operation and the secondary warehouse, avoid the interruption of the operation caused by the need to take temporary surgical supplies during the operation, **thus shortening the operation time, satisfying the information and accurate management of surgical supplies, and tracing the whole surgical process in a closed loop.**



Scenario scheme 2: Delivery scenarios

Intelligent logistics solutions for laboratory



Collect specimens

Collect all kinds of specimens from each ward to the laboratory



Deliver laboratory test tubes

Call robots to delivery the laboratory test tubes to each ward



Receipt specimens

Receipt the specimens at the specimen reception



Specimen examination

Examination of specimens received



Deliver test results

Call robots to delivery the test results to each ward.

Specimen transport closed loop workflow

PUDU provide multiple robots

Suitable for different processes of laboratory

Ensure the standardized intelligent distribution of each specimen, Reduce the heavy specimen distribution tasks of medical staff, Save the time of returning specimens, Optimize the efficiency of specimen distribution reduce the risk of cross-infection between specimens and personnel, Better protect medical staff, And let them return to serving patients

- Multi-tasking
- UV sterile compartment
- Modular adjustable compartment
- Intelligent arrival notifications, including: telephone / APP / Landline

Scenario scheme 2: Delivery scenarios

Intelligent logistics solutions for wards

Two different ways to distribute ward items

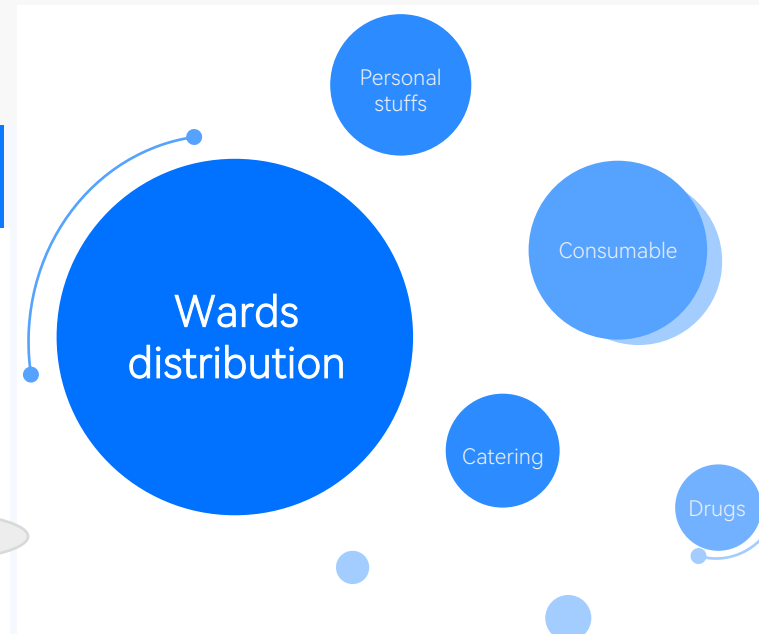
Same floor distribution-BellaBot / PuduBot2

- 1 *Call robots to delivery things to patients bedside*
- 2 *Robots receive the delivery demands by PUDU cloud*
- 3 *Announce patients when robots arrived*



Cross floor distribution-SwiftBot / FlashBot

- 1 *Send medical materials demands online*
- 2 *Robots receive the delivery demands by PUDU cloud*
- 3 *Robots go to the warehouse to pick up stuffs*
- 4 *Ride the elevator to delivery*



Increase staff management :

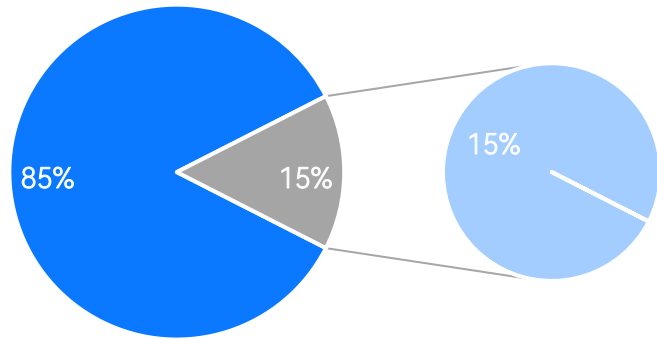
Encourages team working and improve staff morale, leading to reduced turnover, sickness and reliance on temporary staff

Scenario scheme 3: Recycle scenarios

Intelligent recycle solutions for medical wastes

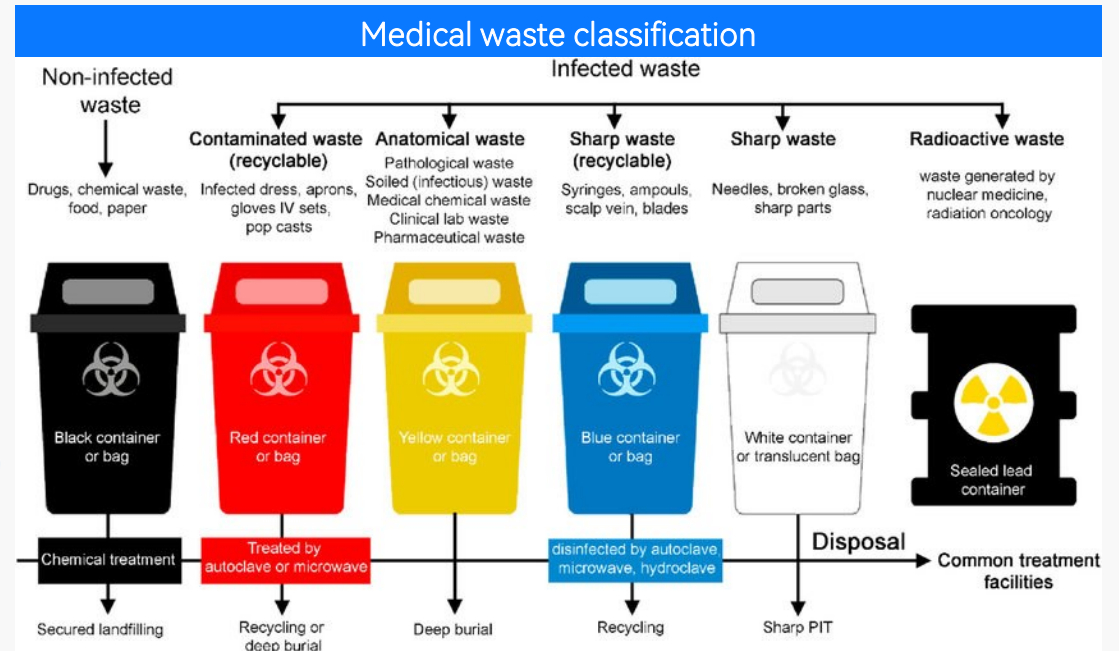
Medical wastes

Medical waste refers to the direct or indirect infectious, toxic and other hazardous wastes generated by medical and health institutions in the course of medical treatment, prevention, health care and other related activities.



■ Non-hazardous waste ■ Hazardous waste

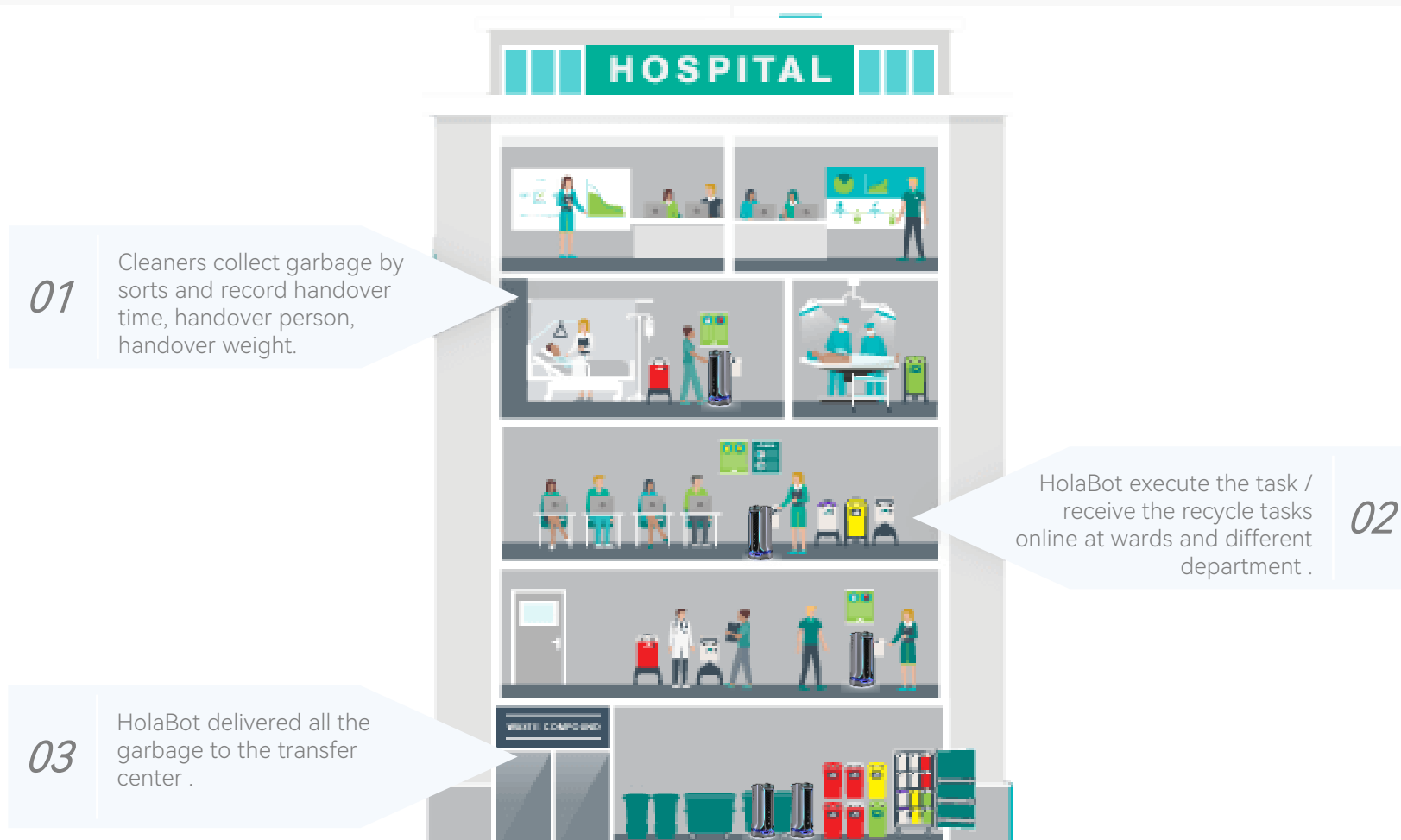
Of the total amount of waste generated by medical activities, about 85% is general non-hazardous waste equivalent to domestic waste. The remaining 15% are considered hazardous substances that may be infectious, toxic or radioactive.



* Resource from world health organization

Scenario scheme 3: Recycle scenarios

Intelligent recycle solutions for medical wastes



Scenario scheme 4: Cleaning service

Intelligent cleaning solutions for medical institutions

Pain points



Cleaning is a hard work

Cleaning work usually requires physical labor such as standing and bending for a long time . The high requirements for cleaning in the medical industry are even more over workload, which is not the most young people's employment first choices.



Big security risk

Cleaners are usually old people, disinfectants, cleaners and tools are mixed use during cleaning work in medical institutions, it's difficult for them to clean with the standardizing processes every time which has certain security risks.



Unstable cleaning quality

Different levels of skills , work attitudes of cleaning personnel , variations in experience and training among cleaners and cleaning requirements in different areas of a medical institutions can make it difficult to ensure stable quality of cleaning work.



Lack of supervision and management

Traditional cleaning cannot control the work progress and quality in real time. It is difficult to conduct quantitative supervision and evaluation of cleaning work, and assist medical institutions to pass cleaning-related audits.

Scenario scheme 4: Cleaning service

Cleaning requests of medical institutions

Different cleaning standards exist in various area of medical institutions

- The type and frequency of cleaning spaces require, depends on what activities are carried out in them, and the level of infection risk .
- Cleaning plans must recognize the importance of keeping frequently touched surfaces clean in minimizing organism transfer between individuals and surfaces.
- The national standards require all healthcare organizations to meet safe standards of cleanliness to minimize risk to patient safety from inadequate cleaning.

Area : General Wards		Frequency (times / day)	Job duties
Contaminated area	General wards, examination room, sewage room, washroom	2	➤ Water & Cleanser ➤ Use disinfectant if it' s necessary
	Toilet , bath room (for patients)		➤ Water & Disinfectant
Semi-contaminated area	Medical staff office, treatment room, nursing station, corridor	2	
Hygienic area	Storage room, medicine dispensing room, medical staff living area (duty room, changing room, demonstration classroom, etc.)	1	➤ Water & Cleanser ➤ Use disinfectant if it' s necessary
	Toilet , bath room (for medical staff)	2	

Area : Laboratory, Radiology, B-ultrasound room, etc.		Frequency (times / day)	Job duties
Contaminated area	Examination room, Laboratory, Specimen collection room, Dirt room, Washing room, etc.	2	➤ Water & Cleanser ➤ Use disinfectant if it' s necessary
	Toilet , bath room (for patients)		➤ Water & Disinfectant
Semi-contaminated area	Medical staff office, treatment room, nursing station, corridor, Diagnosis room, Waiting area, Endoscopic cleaning and disinfection room, etc.	2	
Hygienic area	Storage room, medicine dispensing room, medical staff living area (duty room, changing room, demonstration classroom, etc.)	1	➤ Water & Cleanser ➤ Use disinfectant if it' s necessary
	Toilet , bath room (for medical staff)	2	

Area : Outpatient & Emergency		Frequency (times / day)	Job duties
Contaminated area	Consulting room, sewage room, washing room, waiting area, public lobby, outer corridor	3	
	Toilet (for patients)		➤ Water & Disinfectant
Semi-contaminated area	Treatment room, Nursing station, corridor	3	
Hygienic area	Storage room, medical staff living area (office , changing room, etc.)	1	➤ Water & Cleanser ➤ Use disinfectant if it' s necessary
	Toilet (for medical staff)	2	

Area : Isolation wards & ICU , etc.		Frequency (times / day)	Job duties
Contaminated area	Consulting room, Sewage room, Washing room, Waiting area, Public lobby, Outer corridor	3	
	Toilet (for patients)		➤ Water & Disinfectant
Semi-contaminated area	Treatment room, Nursing station, corridor , First buffer, Second buffer	3	
Hygienic area	Storage room, Medical staff living area (office , changing room, etc.)	1	➤ Water & Cleanser ➤ Use disinfectant if it' s necessary
	Toilet (for medical staff)	2	

Scenario scheme 4: Cleaning service

Suit various floor types



Suitable for different materials and different infection control requirements of the ground

Luxury vinyl tile (LVT)

Vinyl composite tile (VCT)

✓ Corridors , waiting rooms , patient rooms , entryways

Sheet vinyl

✓ Surgical suites , operating rooms , procedural rooms ,ICU ,corridors

Rubber flooring

✓ Stairwells , entryways , vestibules

Bamboo flooring

✓ Offices, chapel, private waiting rooms ,specialty areas

Commercial carpet

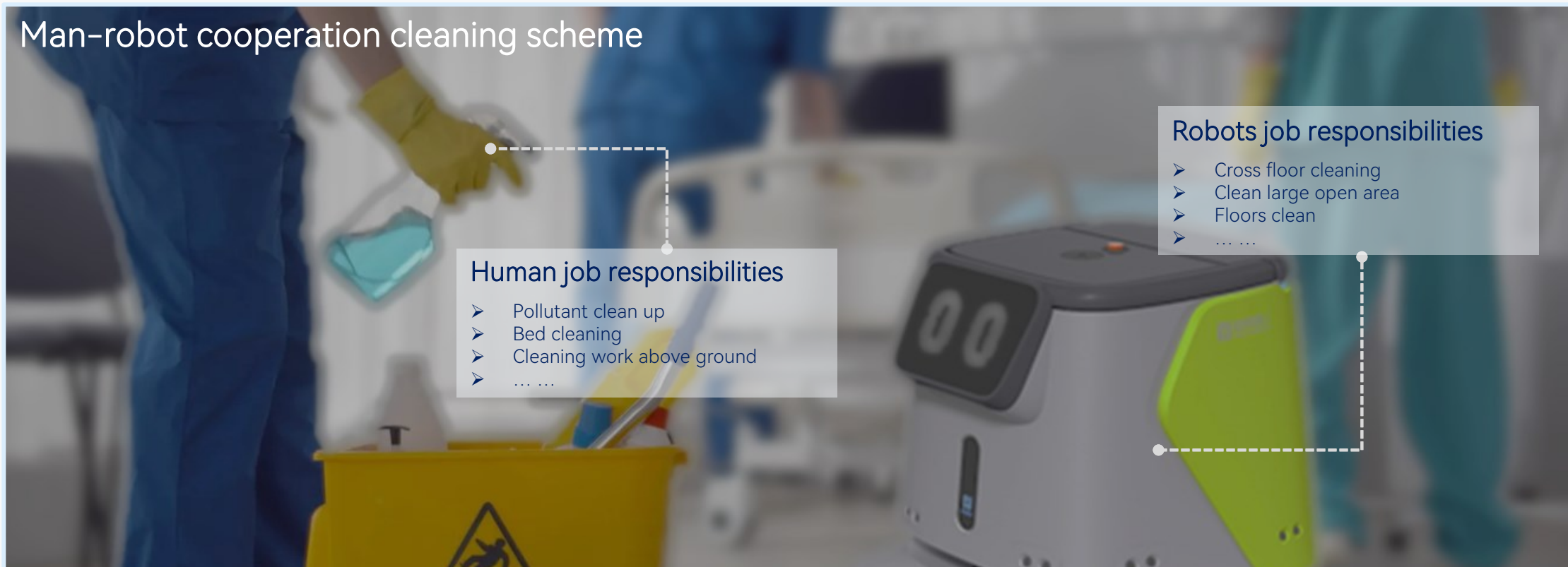
✓ Offices , waiting rooms , lobbies , public corridors

**Procedural rooms, surgical suites, ICU, etc. areas have the highest level of infection control requirements.*



Scenario scheme 4: Cleaning service

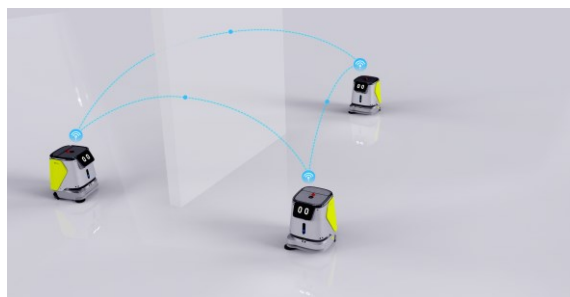
Man-robot cooperation cleaning scheme



The robots are suited to cleaning large areas in medical organizations and will support their cleaners by **enhancing repetitive cleaning procedures** in open spaces such as corridors (i.e. sweeping , mopping , etc.)which will **free up other cleaners to focus on touch point areas and cross infection hotspots** . This will form the perfect ‘cooperation’ relationship.

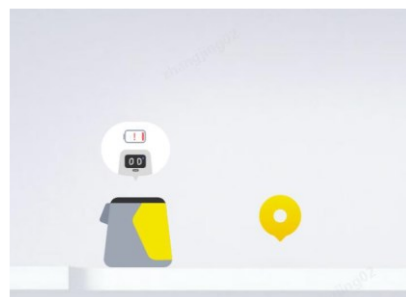
Scenario scheme 4: Cleaning service

7*24 hours task schedule , fully automatic



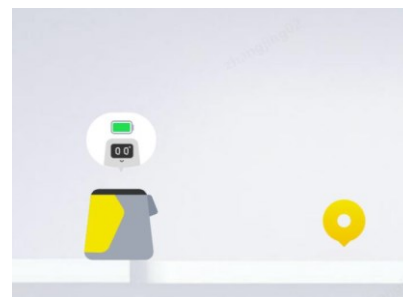
Multi-machine Scheduling

Based on PUDU scheduler technology, it realizes **multi-machine collaborative operation**, and the systematic operation of robots in medical institutions.



Breakpoint Resume Cleaning

When the power is low and the cleaning task is not completed, the robot can remember the cleaning progress and resume the previous unfinished task after being fully recharged .



Automatic Addition & Drainage

15L clean water tank and 15L waste water tank with an exclusive workstation. **Automatically fill and drain the water** at the workstation.



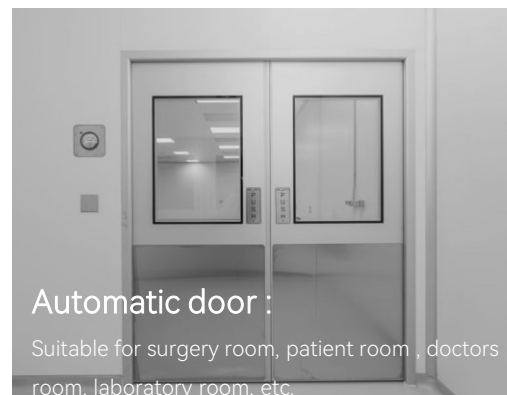
An intelligent IoT system makes it easy to connect elevators 、 turnstiles 、 automatic doors , etc. ,

enabling automatic elevator and entrance guard access, auto-calling of elevators, crossing-floors cleaning and autonomous return trips.



Elevator :

Suitable for outpatient building , inpatient building , etc.



Automatic door :

Suitable for surgery room, patient room , doctors room, laboratory room, etc.



Turnstile gate :

Suitable for public lobbies, medical institutions entrance , etc.

Scenario scheme 4: Cleaning service

7*24 hours task schedule , fully automatic



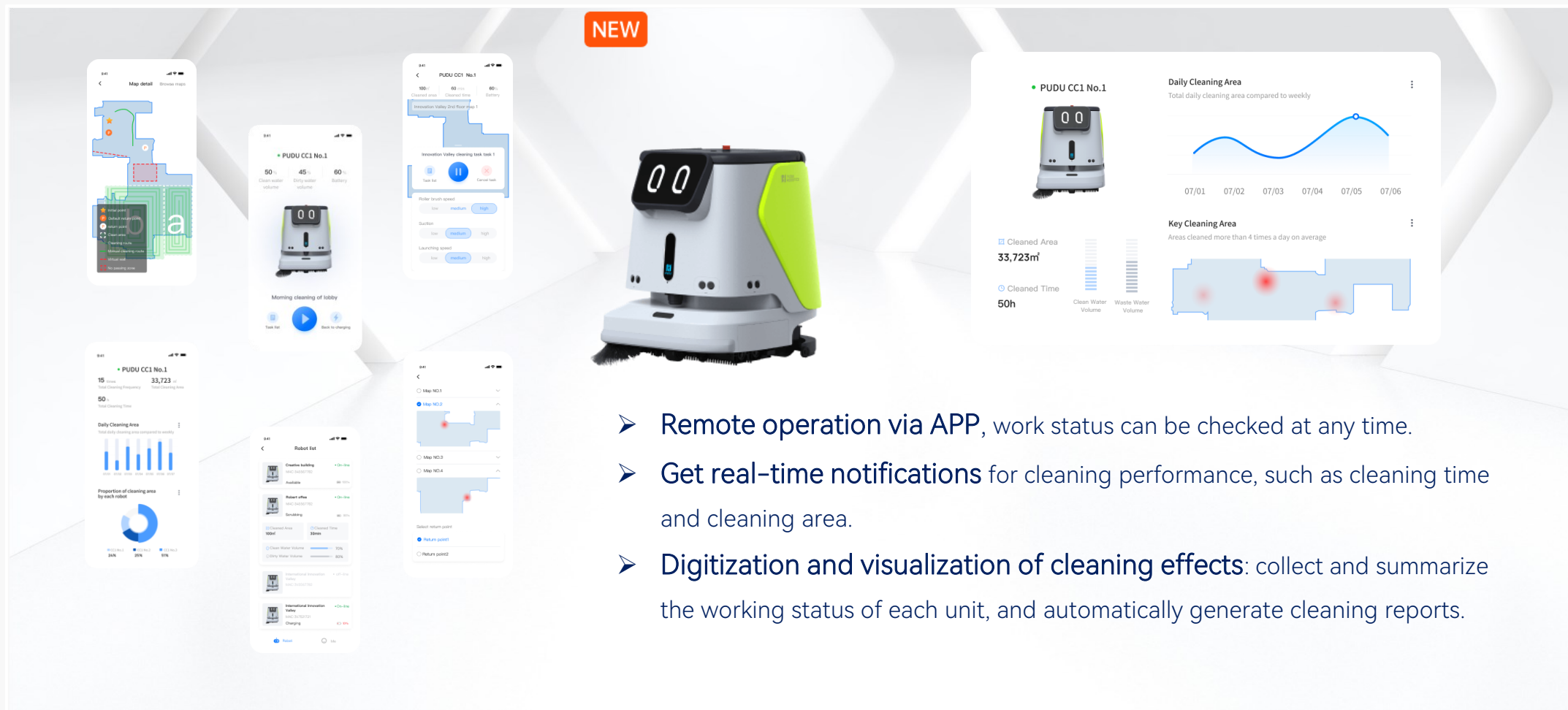
- ✓ Save manpower、time、 money
- ✓ One machine, multiple cleaning modes, suitable for multiple scenarios.
- ✓ 24-hour operation, fully automatic
- ✓ Simple, user-friendly, reliable, and stable
- ✓ Check the machine status at any time
- ✓ Presentation of cleaning reports

one day of CC1



Scenario scheme 4: Cleaning service

Digital Platform



- Remote operation via APP, work status can be checked at any time.
- Get real-time notifications for cleaning performance, such as cleaning time and cleaning area.
- Digitization and visualization of cleaning effects: collect and summarize the working status of each unit, and automatically generate cleaning reports.

Scenario scheme 5: Disinfection scenarios

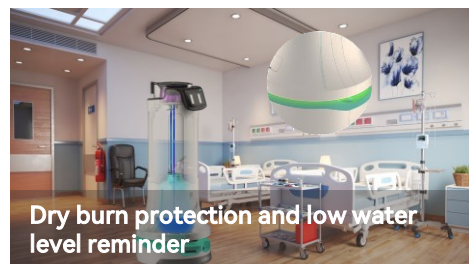


Puductor 2

Professional intelligent disinfectant

2 disinfection modes, UV disinfection + Ultra dry mist disinfection

- ✓ Enhanced the control of nosocomial infection, Control and prevent hospital internal infections and improve the quality of medical nursing.
- ✓ Digital management platform, strengthened the infection link management, standardized infection operation.

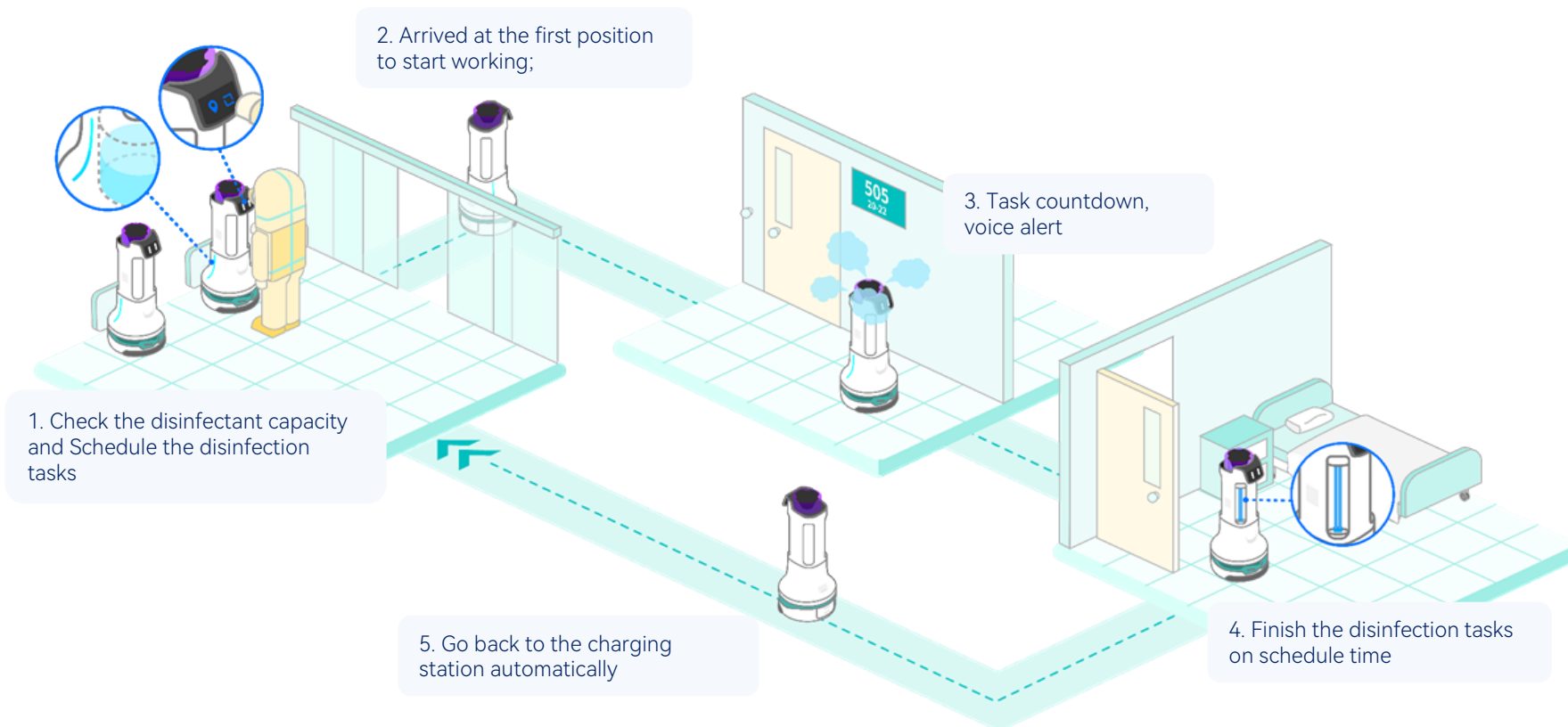


Scenario scheme 5: Disinfection scenarios

2 major features

24 hours auto-disinfection, without manual assistant

Set up automated tasks



Scenario scheme 5: Disinfection scenarios

Suitable to all department of medical institution disinfection requirements

In-door infection control is based on the robot as the carrier, integrated ultraviolet light, ultra-dry atomization hydrogen peroxide two disinfection methods in one, with autonomous navigation technology and autonomous movement. According to different scenarios according to the requirements of the disinfection mode, fully intelligent operation, man-machine separation, to ensure the safety of personnel. Meet the needs of automatic, timed, efficient and accurate disinfection and epidemic prevention in indoor environments with many rooms or complex layout.



Wards disinfection

The blood, body fluids, components and excrement of patients in the ward are all infectious. The prevention of cross-infection among patients in the ward and the occupational protection of medical staff are the key points of infection control.

Involved disinfection areas:

- ✓ negative pressure isolation ward
- ✓ Infectious ward
- ✓ Intensive care unit (ICU)
- ✓ etc.



Surgery room disinfection

There are also a lot of pollutants on the surface of objects inside the operating room, which need to be cleaned by surface disinfection. Puductor2 can automatically open the disinfection after the operation, accelerate the disinfection speed in the operating room, and improve the surgical table turnover rate.

Involved disinfection areas:

- ✓ Outpatient surgery room
- ✓ Ophthalmic operating room
- ✓ Operating room
- ✓ etc.



Medical technology department disinfection

Combined with the special situation of medical technical departments' disinfection and sterilization requirements are high. Combined with the characteristics of autonomous movement and automatic work of Puductor2, the quantitative management of disinfection process is realized.

Involved disinfection areas:

- ✓ Laboratory departments
- ✓ Pathology department
- ✓ Laboratories
- ✓ etc.



Hospital public area disinfection

Effective and reasonable normative measures should be formulated to protect environmental health and safety in public areas. Puductor2 is equipped with two disinfection modules: ultraviolet lamp and ultra-dry fog, which can meet the disinfection requirements of different environments.

Involved disinfection areas:

- ✓ Hall
- ✓ Ward corridors
- ✓ Elevator and stairs
- ✓ etc.

Other scenarios: IoT



Integration mode



android PUDU OS



Time / Man / Process ,etc.
all visualized.
Digital management makes
all can be traced



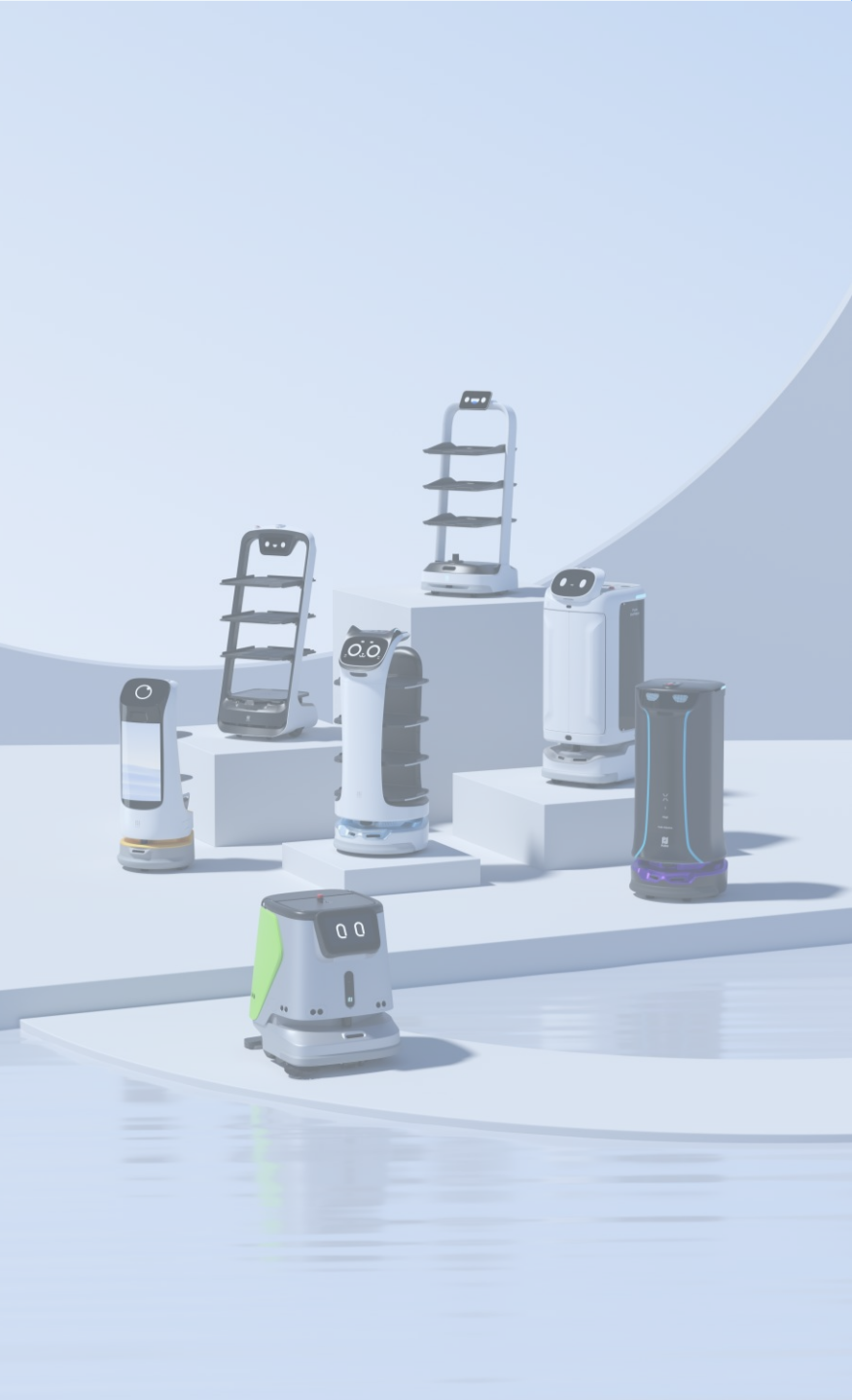
Connect with all kinds of system
Enclose treatment process
automatically.



Through various technologies
such as API, SDK, and Android,
make all-online a reality.



Interconnection ,
More than imagine
.....



03

Successful Cases

Value Summary

Reduce workload, Optimize work content configuration

Used to support human employees, robots eliminate the need for workers to perform many labor intensive and repetitive tasks and allow them to focus more on complex, thought-intensive tasks.



Enhance the efficiency

The robots are not intended to replace human, but to act as their assistants. They help to speed up the tasks while delivering improved quality, consistency of standardized tasks and a fantastic reaction from staff and visitors to the hospitals.



Monitoring working process , Feedback management quality

Background real-time monitoring of robot location, working status and task execution, real-time grasp of the hospital logistics status, cleaning progress, disinfection process.



Environmental protection

As well as supporting medical institutions with standards, the useful robots are designed to support the environment too. PUDU CC1 typically uses 70% less water and fewer chemicals than traditional cleaning methods . Puductor 2 help reduce the risk of infection by destroying germs that might have been missed with manual cleaning methods.



Successful case : Yokohama Hodogaya Eye Clinic



KettyBot

Serving at Yokohama Hodogaya Eye Clinic in Japan

Video URL: <https://www.youtube.com/watch?v=iYQmjlvTkbg>



Location:

hodogaya-ku, yokohama, kanagawa, Japan

Operation time:

9: 00-12: 30, 14: 30-17: 30



横浜保土ヶ谷眼科

Yokohama Hodogaya Eye Clinic

Successful case : Yokohama Hodogaya Eye Clinic

Process



Patients

Make an appointment

Sign in at the registration

Do a basic check

Diagnosis and treatment

Payment and next appointment



Medical staffs

Register reservation information

Receive relevant documents

Lead to check

Diagnosis and treatment

Give prescription & assist payment



KettyBot

Delivery things while patients

Delivery registration forms

Navigation

Configuration

Item	QTY
KettyBot	1
Charging station	1



横浜保土ヶ谷眼科
Yokohama Hodogaya Eye Clinic

Successful case : Yokohama Hodogaya Eye Clinic

After using the KettyBot,
Yokohama Hodogaya Eye Clinic has been able to solve 10% more patient's
health issues per day than before.



Work efficiency

*Calculated from 1 KettyBot has served in the clinic for 10 days



80 H

Accumulated working
hours

500+

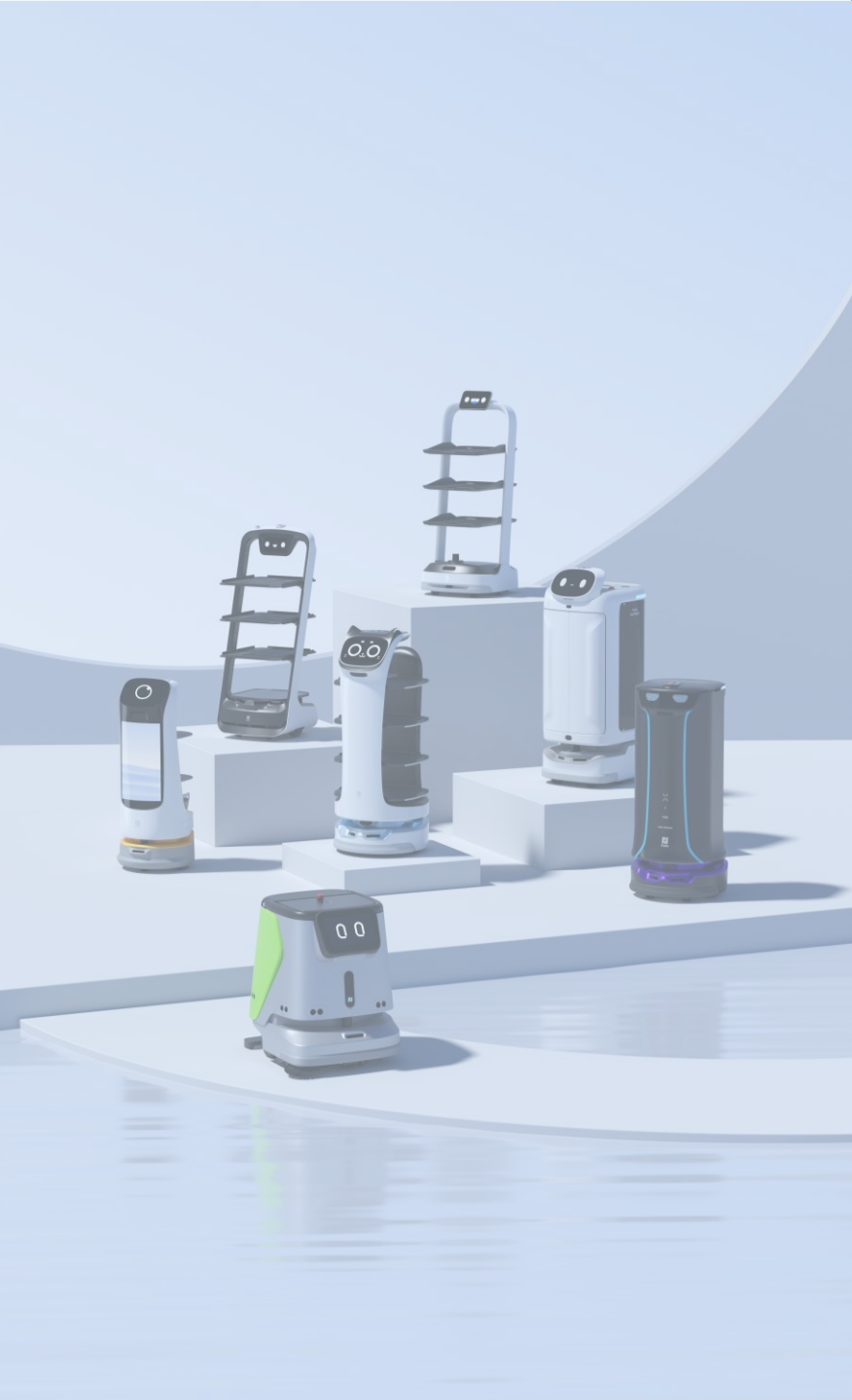
Cumulative interaction services

1000 M

Cumulative navigation
distance

150%

Man-robot cooperation
efficiency



04

Product Family Matrix

Creating truly useful robot to improve human productivity and quality of life





Product Family

Delivery Robots

Bellabot

Pudubot 2

Pudubot

Kettybot

Swiftbot

Holabot

Flashbot

Cleaning Robots

CC1

SH1

Pudu Cloud

PUDU Merchant
Management Platform

PuduLink App

PUDU Cloud Platform

Technology

PUDU OS

Positioning and
navigation algorithm

Perceptual obstacle
avoidance algorithm

Motion control
algorithm

Multi-machine
scheduling algorithm

AI interactive
algorithm

Cloud platform
algorithm

Simulation testing
platform

IOT Solutions

Pager

Autodoor

Elevator

4G/lora
Watch

Table
Tracker

Bluetooth
Speaker

...

Accessories Solutions

Cup
holder

Food
cover

Tray

Display
shelf

Self-
charging
station

...

1-N Customized Solutions

Voice

Emoji

Skin

SDK

...

Delivery Robots



GOOD DESIGN
AWARD 2022

BellaBot

Novelty, cute, fully-perceptive food delivery robot



Contactless delivery



Multiple located



Tray Sensor



Flexibility



Personalized Presentation



Multi-interaction



Changeable battery



Safety



Service



PuduBot2

Latest, high-performance, extendable, adaptable, intelligent delivery robot for multiple scenarios



Delivery mode



Shipping mode



Cruise mode



Direct mode



Dish-recycle mode



Birthday mode



KettyBot

With Ad screen, serving as both a delivery and receptionist



Minimum passability



AD



Reception



Navigation



Voice interaction



Work plan



Delivery



Self-charging



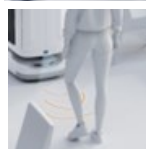
Feature settings

Delivery Robots

SwiftBot



Delivery Robot for Smooth Peak Hour Operations, Redefining Social Interaction between Humans and Robots



Avoidance Reminder



Operating Status Projection



Atmosphere Projection

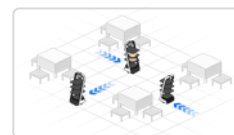


Foot-activated Door Projection

PuduBot



Classic Intelligent Food Delivery Robot, Pioneering the Industry of Trackless Delivery Robots



Scheduling



3D avoidance



Independent Suspension



Ultra-long Endurance



Optimal Path Planning



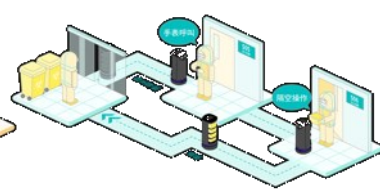
Sun-resistant

HolaBot

First Delivery Robot with Remote Call Notification Function for Multiple Delivery Scenarios



Dish-recycle



medical waste recycle

FlashBot

Full-Scenario Delivery for Hotels, Offices, Apartments, and Residential Buildings



APP call



Independent cabin door



Customized disinfection time



Take elevator



Auto-door



Arrival notification

Cleaning Robots




reddot winner 2023

PUDU CC1

All-Purpose Cleaning Monster: Four-in-One Scrubbing, Sweeping, Mopping, Vacuuming

A machine that integrates sweeping, mopping, vacuuming, and dusting, easily meeting all cleaning needs with just one device



dusting



mopping



sweepin
g



vacuuming



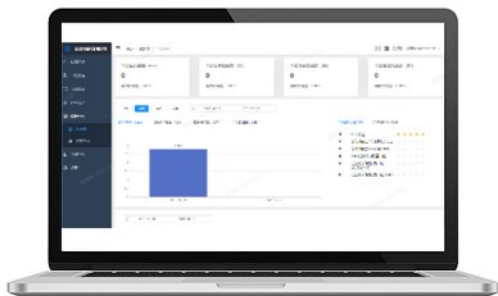
PUDU SH1

Professional Mini Digital Floor Scrubber: A More Professional and Thorough Cleaning Solution

The compact and flexible design allows for easy transition between tasks on multiple floors and surfaces



PUDU Cloud



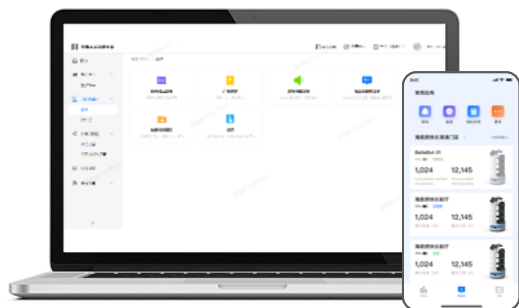
PUDU Cloud Platform

For distributors

Management platform for managing business opportunities, clues, sub-distributors, merchant customers, and selling robots.

PC – Web

- 1) Singapore Group: <https://css.pudutech.com>
- 2) Germany Group: <https://csg.pudutech.com>
- 3) China Group: <https://cs-internal.pudutech.com>



PUDU Merchant Management Platform

For end-store

A platform for robot configuration, remotely controlling, managing stores and viewing robot operation data.

PC – Web

- 1) Singapore Group: <https://businesss.pudutech.com>
- 2) Germany Group: <https://businessg.pudutech.com>
- 3) China Group: <https://business.pudutech.com>



PuduLink App 【iOS】



PuduLink App 【Android】

IOT Solutions

Pager



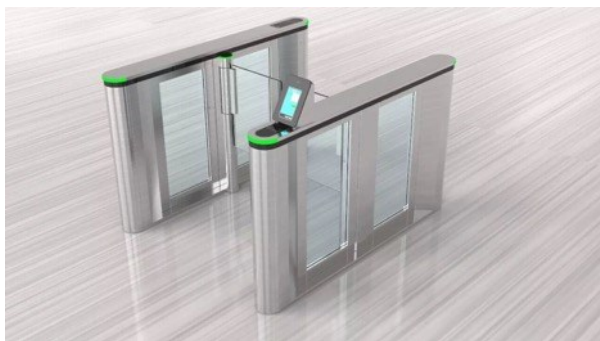
4G/Lora Watch



Elevator



Auto-door



Bluetooth Speaker

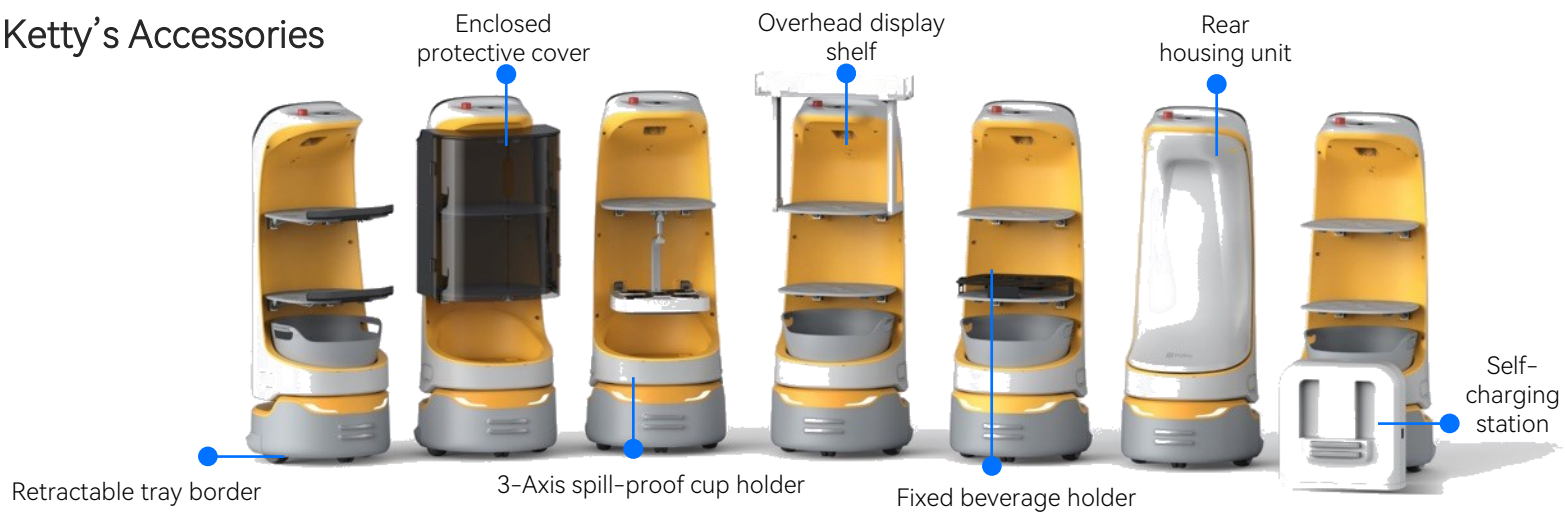


Table Tracker



Accessories Solutions

Ketty's Accessories



Enclosed Protective Cover



Bearing tray (Bella)



Cup holder (Bella)



1-N Customized Solutions

android 

PUDU OS



Robot SDK



Skin



Customized Emoji



Customized Voice

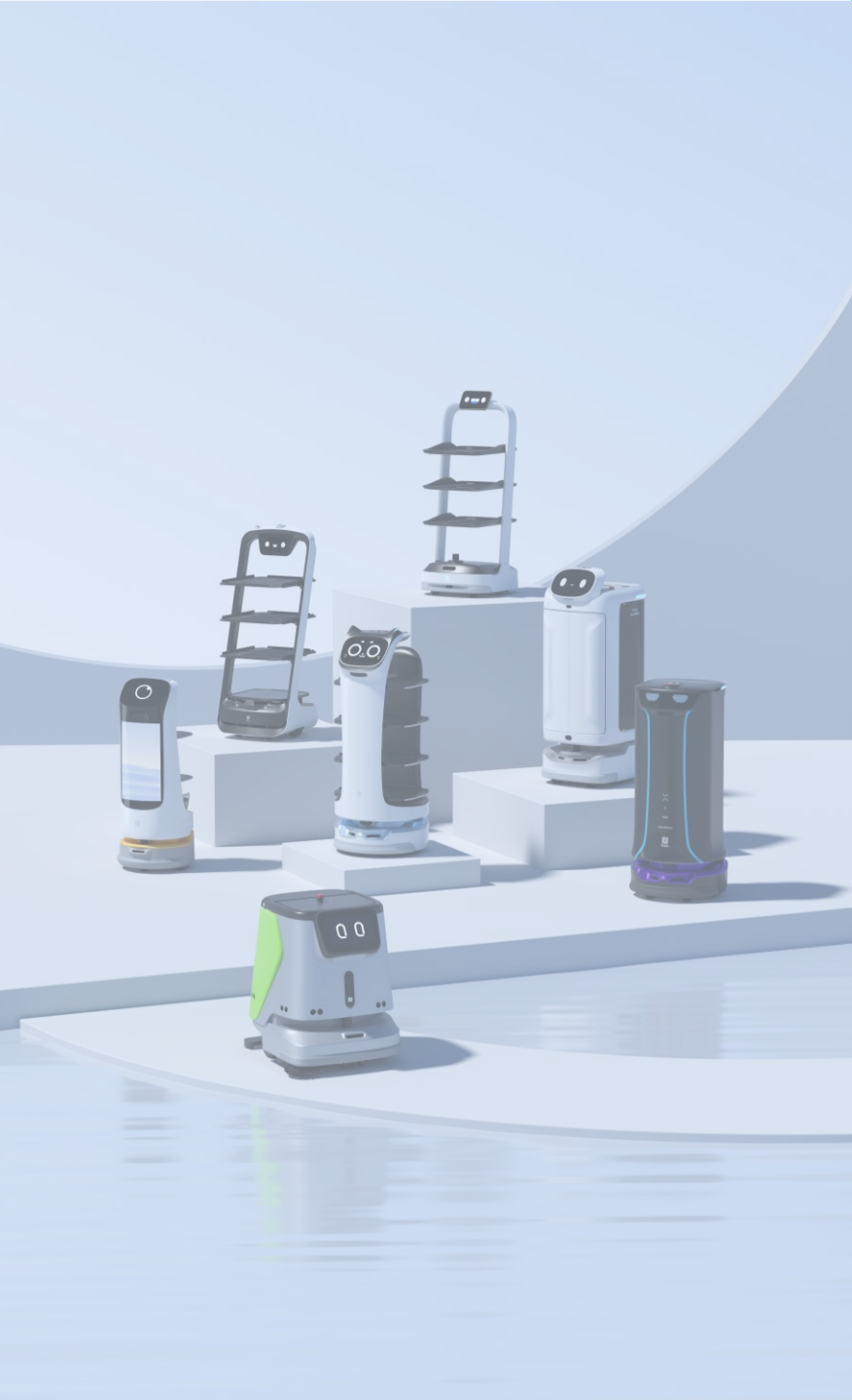


Customized Software



Combined with 3rd party hardware

More options to come soon



05

PUDU Introduction

Pudu Robotics

Shenzhen-based and founded in 2016, Pudu Robotics is a world-leading tech-focused enterprise dedicated to the design, R&D, production and sales of commercial service robots on a mission to use robots to improve the efficiency of human production and living.

Since its inception, Pudu Robotics has heavily invested in R&D, obtained multiple awards such as Red Dot and applied hundreds of core patents to lead the development of the robotics category and provide high technology products that would appeal to targeted markets. Pudu Robotics has been rapidly growing in recent years to become a “leader” in the global markets with coverage of over 60 countries and regions worldwide. The robots are widely applied in restaurants, hospitals, schools, office buildings, government halls, subway stations, waiting rooms, etc.



Culture

Mission

Use robots to improve the efficiency of human production and living

Vision

To become the world's strongest commercial service robot company



BE INVENTIVE



BE CUSTOMER
CENTRIC



THINKING IN THE LIGHT OF
FIRST PRINCIPLES



BE ENTERPRISING
& ACCOUNTABLE



PURSUING FOR
THE ULTIMATE



MOVING FAST



BE OPEN-
UP



EMBRACING
CHANGE

Pudu Robotics: The world largest commercial service robot manufacturer

Total Sales Quantity

60,000+

60,000+ * units have been sold worldwide

Market Share in All Scenarios

TOP1

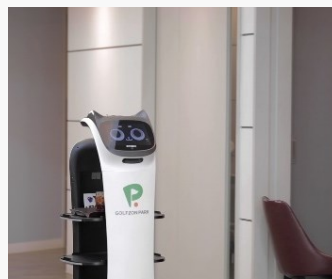
The market share in the full range of commercial service robots is No.1
(Exceeds the sum of the 2nd, 3rd, 4th, and 5th places on the market)

Market Share of the Overseas Catering Industry

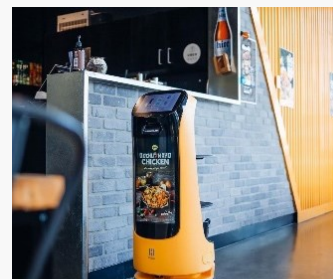
>80%

Overseas catering industry's market share > 80%

* Relevant statistics as of May 2023



South Korea



Australia



USA



Jordan



Switzerland



Poland



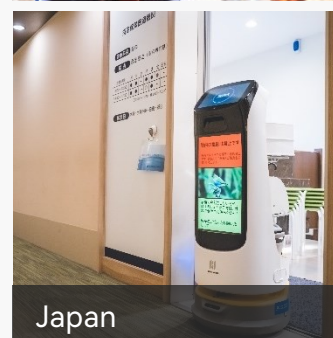
Philippines



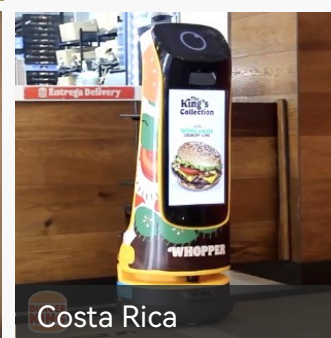
Nederland



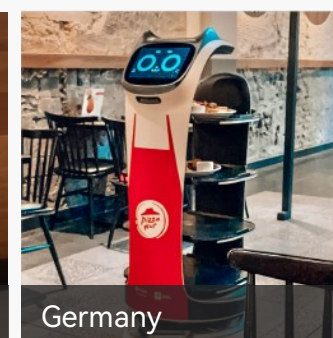
Malaysia



Japan



Costa Rica



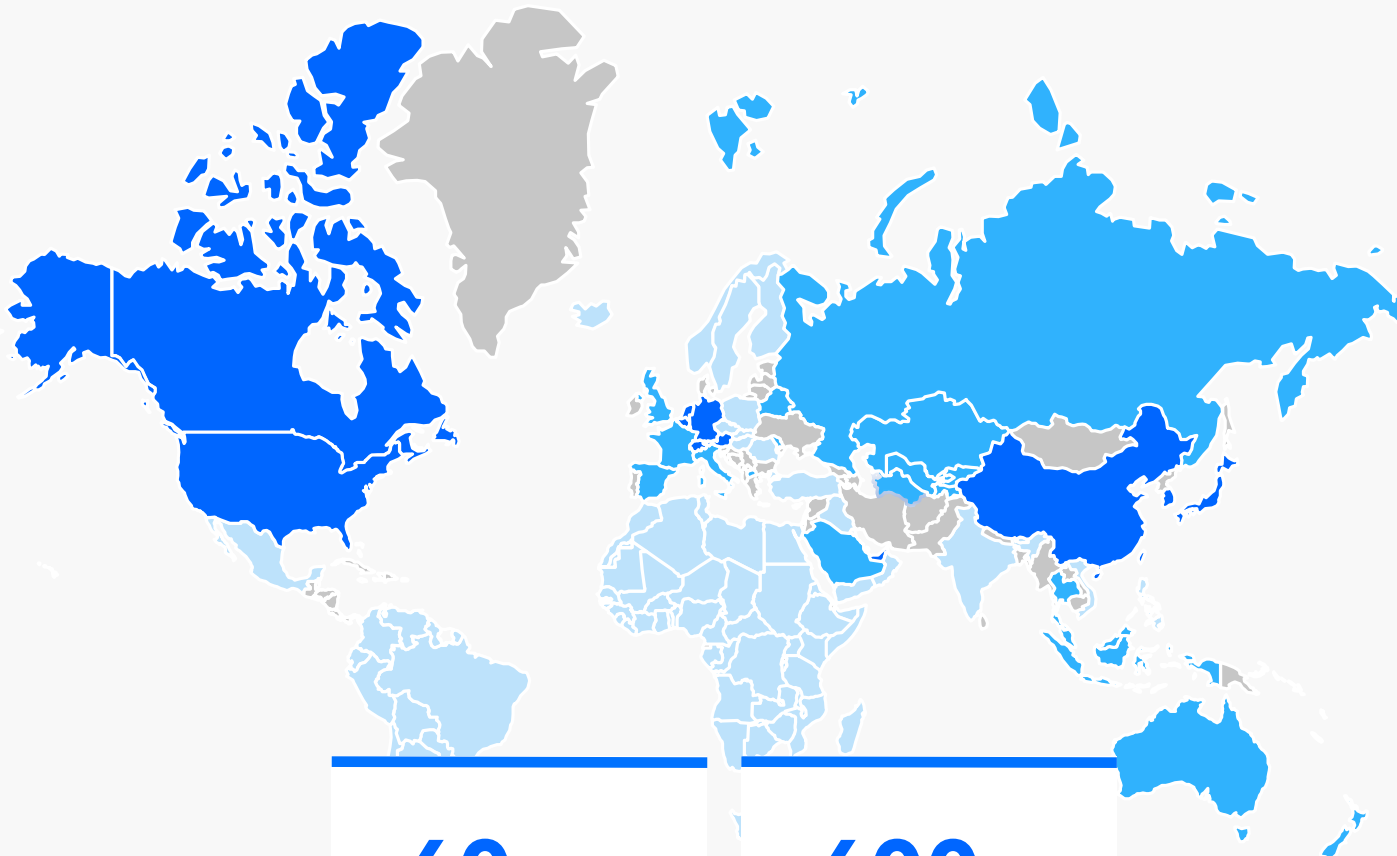
Germany

Scale Advantage

Globalization

Pudu Robotics has established a business presence in North America, Europe, East Asia, Asia-Pacific, the Middle East and Latin America. The products have been exported to more than 60 countries and regions around the world, covering more than 600* cities worldwide. Pudu Robotics has established a trustworthy international brand image and become one of the representative enterprises of China's "intelligent" manufacturing abroad.

* Relevant statistics as of April 2023



60 +

- Cover more than 60 countries and regions

600 +

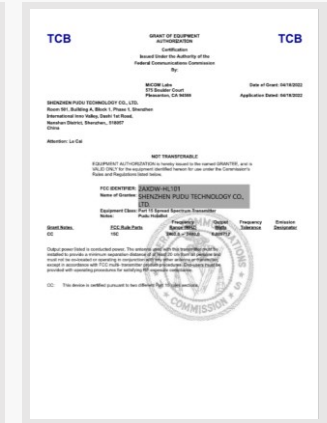
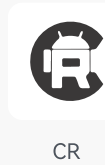
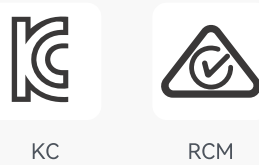
- Over 600 cities

Level 1 Level 2 Level 3



Global Certification

The full range of Pudu Robotics robots have the following certifications worldwide



* Relevant statistics as of April 2023



Patent Advantages

Pudu Robotics has submitted a total of 1,439 patent applications worldwide.



* Relevant statistics as of April 2023

Cooperation

80% The market share of the **Top 100** restaurant clients

40,000+ Deployed Store



m&m's

Coca-Cola



海底捞



Jollibee.

鼎泰豐

Denny's



DUNKIN'



Catering Partners

Walmart



accenture



万豪酒店

Hilton Garden Inn

MediaMarkt



Royal Dutch Airlines



Sheraton

TOTTUS



orange



Shell



FOUR SEASONS
HOTEL
PUDONG SHANGHAI

JouéClub!

La meilleure façon de Jouer



Carrefour

Panasonic



Hilton



TOPGOLF

Non-Catering Partners

KONE



Qualcomm



TEXAS
INSTRUMENTS

Amphenol



life.augmented

سابك
sabic

Software and Hardware Partners

Thank you!



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