PUDU

Industry Solution

Hotel

/ Global Leading Robotics Company /

CONTENT

01
Industry Overview

Global hotel continues to recover while occupancy rates continue to lag
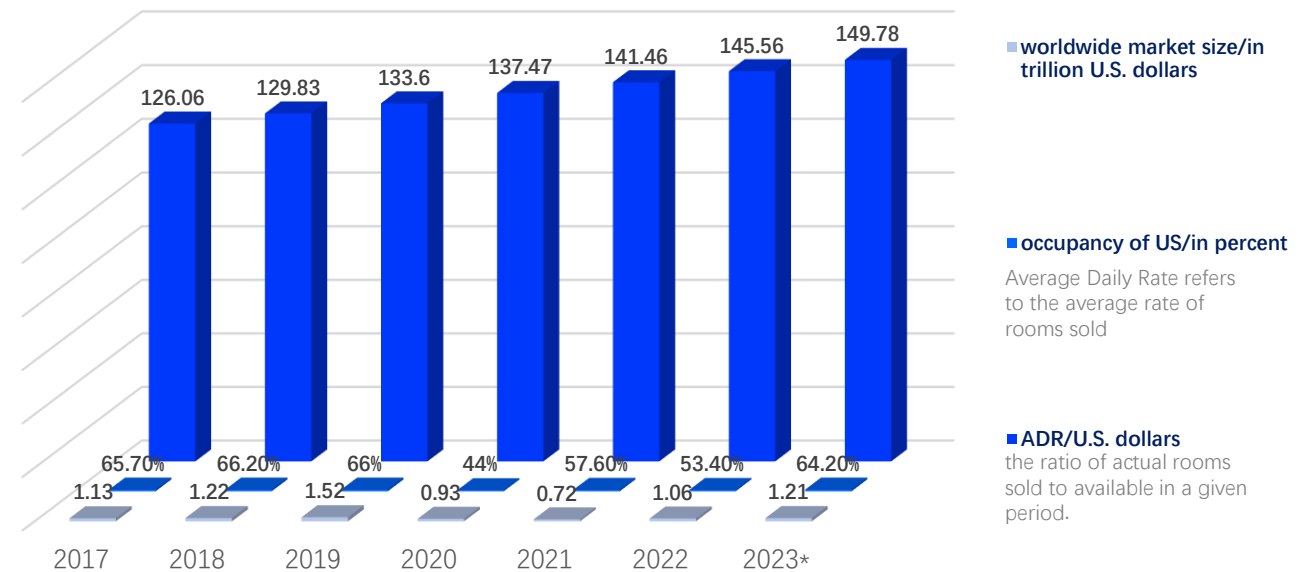
The hotel industry

The business of providing lodging and accommodation services to travelers and tourists. The hotel industry includes various types of lodging establishments, such as hotels, resorts, motels, inns, and bed and breakfasts.

From 2019，Global hotel performance continues to recover; Adrs continue to drive global earnings, while occupancy rates continue to lag.
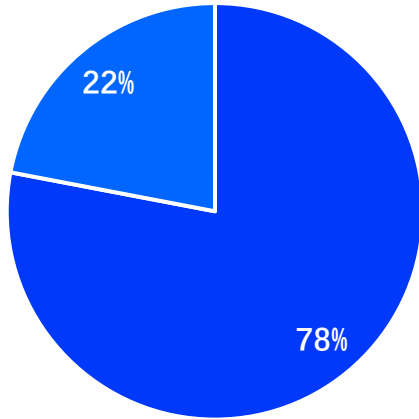
Market size of hotel & resort industry worldwide
From 2013 to 2022, with a forecast for 2023

	2017	2018	2019	2020	2021	2022	2023*
worldwide market size/in trillion U.S. dollars	126.06	129.83	133.6	137.47	141.46	145.56	149.78
occupancy of US/in percent	65.70%	66.20%	66%	44%	57.60%	53.40%	64.20%
ADR/U.S. dollars	1.13	1.22	1.52	0.93	0.72	1.06	1.21

■worldwide market size/in trillion U.S. dollars

■occupancy of US/in percent
Average Daily Rate refers to the average rate of rooms sold

■ADR/U.S. dollars
the ratio of actual rooms sold to available in a given period.

Data sources: STR

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What's influence hotel occupancy ?

22%

78%

78% of millennials would rather spend their money on experience than on things.

Optimizing hotel service experience Improve hotel occupancy

Experiential reception service

Experiential room service

Experiential catering service

Experiential facility service

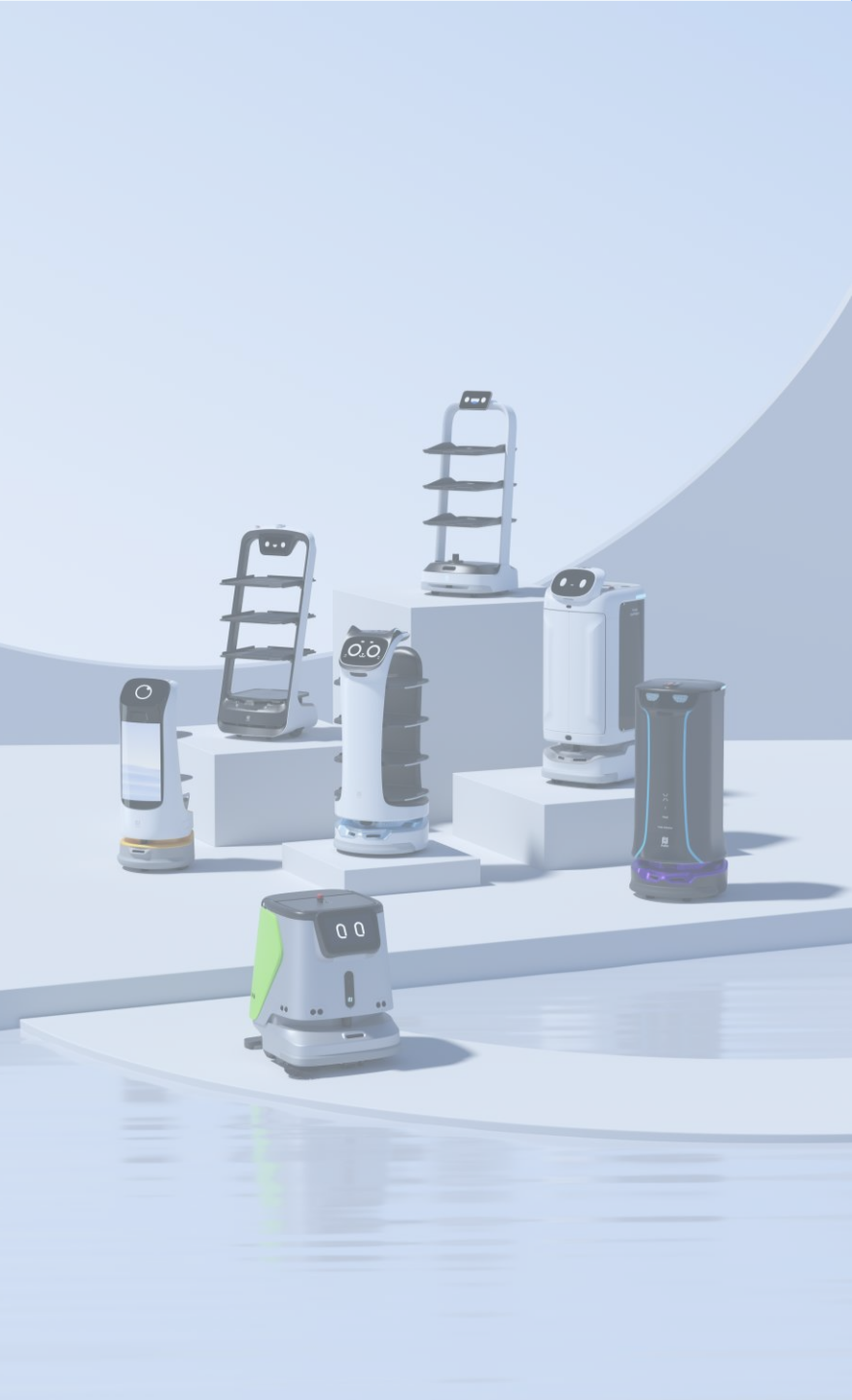| Room Quality | Price | Room Service | Location | Catering Service | Facility Service | Reception Service |

Component of hotel customer satisfaction

Data sources: STR

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2023

02

Scenario Solutions

- Scenario scheme 1: Hotel reception service
- Scenario scheme 2: Hotel room service
- Scenario scheme 3: Hotel catering service
- Scenario scheme 4: Hotel cleaning service
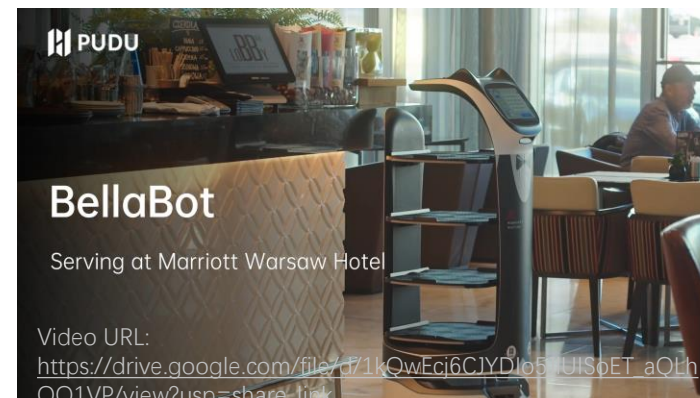
4 major service scenarios of hotel, PUDU got it !

Video URL：https://drive.google.com/file/d/1ltR475qElXkToKU7s1lqXO_nVZGT_G1S/view?usp=sharing
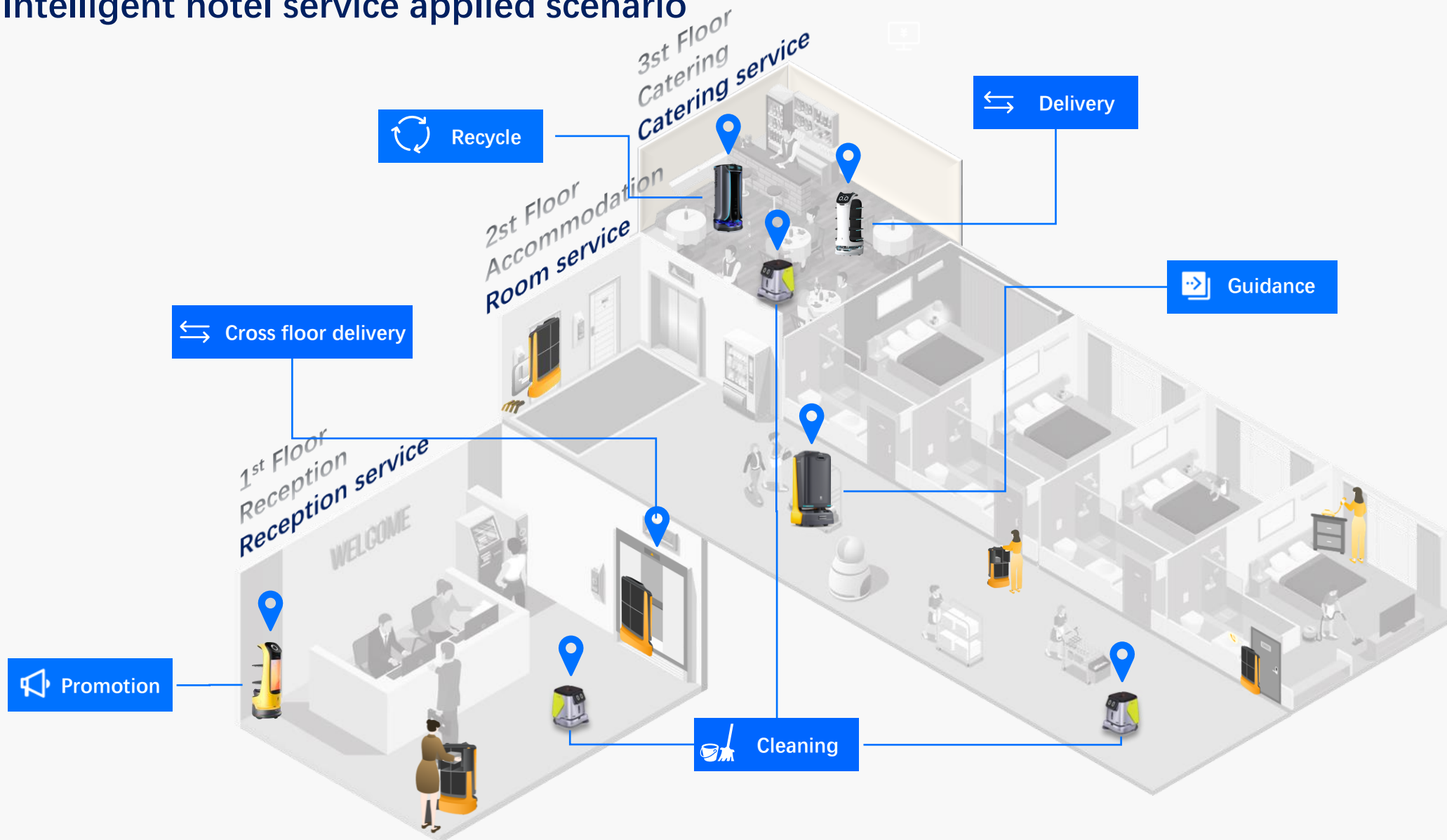
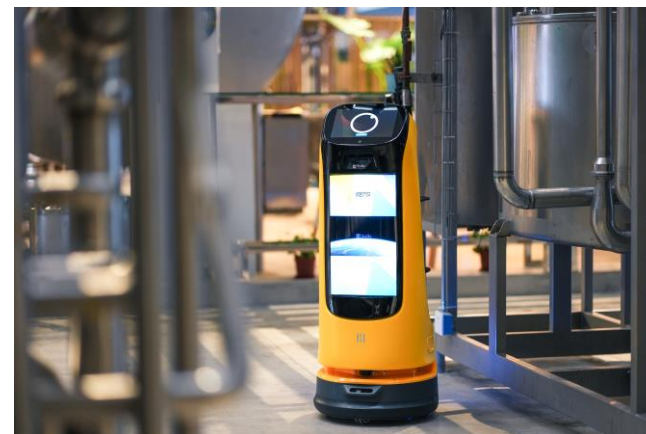**1** Hotel reception service **2** Hotel room service

BellaBot

Serving at Marriott Warsaw Hotel

Video URL:
https://drive.google.com/file/d/1kQwEcj6CJYDlo5UUISoET_aOLh
QQ1VP/view?usp=share-link

3 Hotel catering service

Video URL:
https://drive.google.com/file/d/1EdaGoruj3PW0556l...W5Gb4y9d
Oi/view?usp=sharing

4 Hotel cleaning service

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Intelligent hotel service applied scenario

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Scenario scheme 1: Hotel reception service

Customer

Welcome

1. Enter hotel

Check in

2. Go to the reception

Q1: Short time, can't understand customer's demands

Waiter

1. Welcome

2. Promotions & event marketing
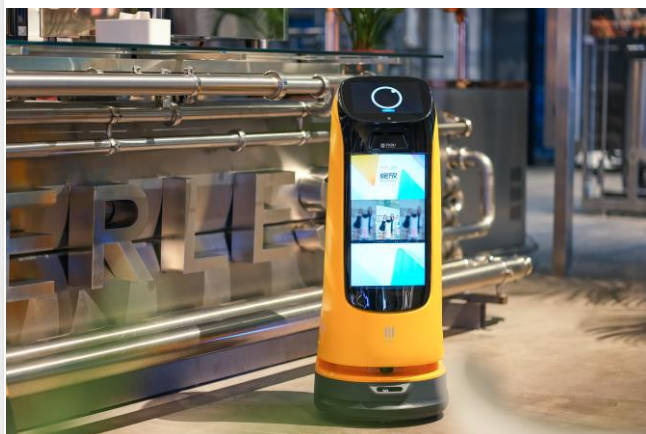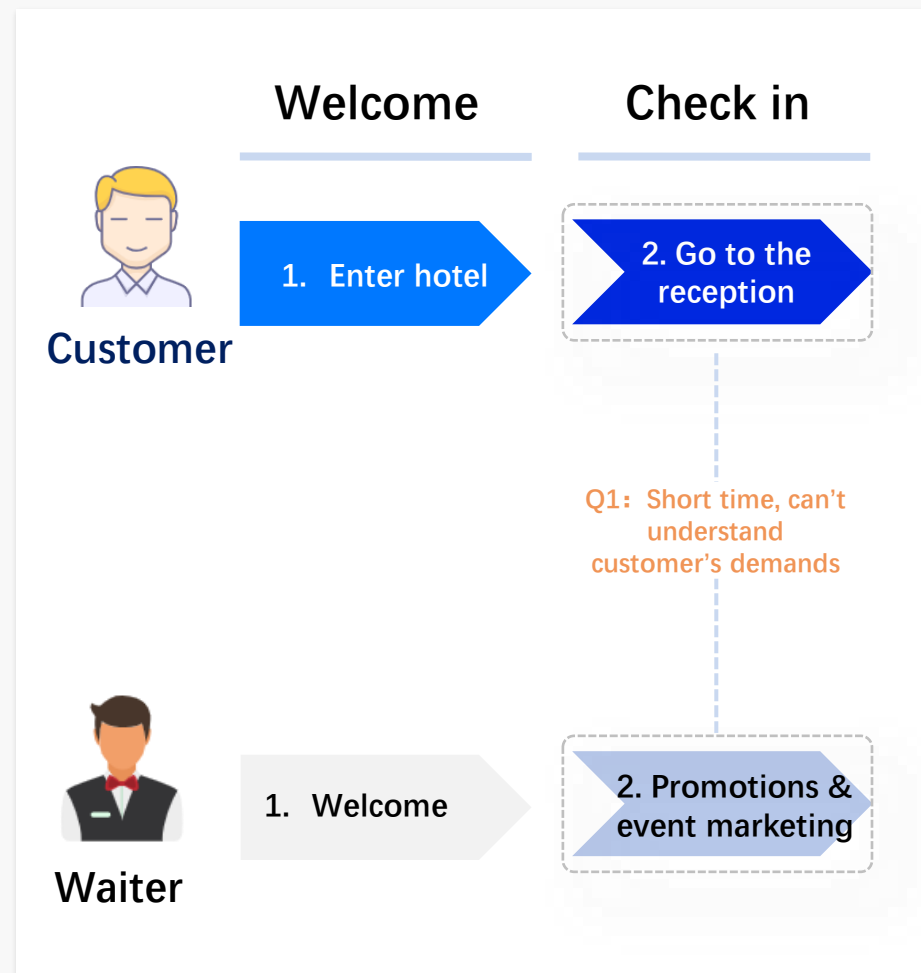
Show daily promotion

New and Innovative Marketing Methods

The large mobile advertising screen provides a broader, more frequent, eye-catching, and precise marketing method for hotel, allowing the hotel's brand, promotional activities, special price room, etc., to reach more customers and further improve the conversion rate of marketing campaigns.

Ketty 18.5" Ads screen, variety promotion

Promotion more accuracy

- Utilizing intelligent LCD screens to attract customers from all angles
- Large advertising screens better fitting the customer's perspective
- Combining with speakers to significantly attract family-style customers
- Supporting multiple scenarios, allowing for customizable media size and content
- Supporting various types of media, such as audio, video, images, and links

Weight	38KG
Charging time	4.5H (support self-charging)
Battery life	> 8H
Speed	0.5-1.2m/s

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

Weight	39KG (PUDU2) +13KG (AD Screen)
Charging time	8H
DPI	1920*1080
AD Screen power supply	Via robot charging port

Mobility promotion establish technology image

Mobile advertising screen robot		Traditional fixed advertising screen
1000 CNY/Month	**Comprehensive operating costs**	5000 CNY/Month
0	**Promotion commission**	Typically around 2% of gross profit margin
1.11 CNY/person	**Effective contact cost**	1.80 CNY/person
Only one-time purchase cost	**Product cost**	Cost increases linearly with update frequency
Supports mobility, with no fixed coverage limits	**Coverage**	The general coverage area is within the range of 0-5m
Easy edition of ads on merchant management platform	**Easy use**	Manual replacement requires manual participation, which is time & labor consuming
Make a profound impact through mobile +technology	**Attractive ability**	Mainly graphic and lacking creativity, easy to forget

82 — **Number of human-robot interactions** per robot per day

2.85 — **Average daily running distance** 2.85km per robot
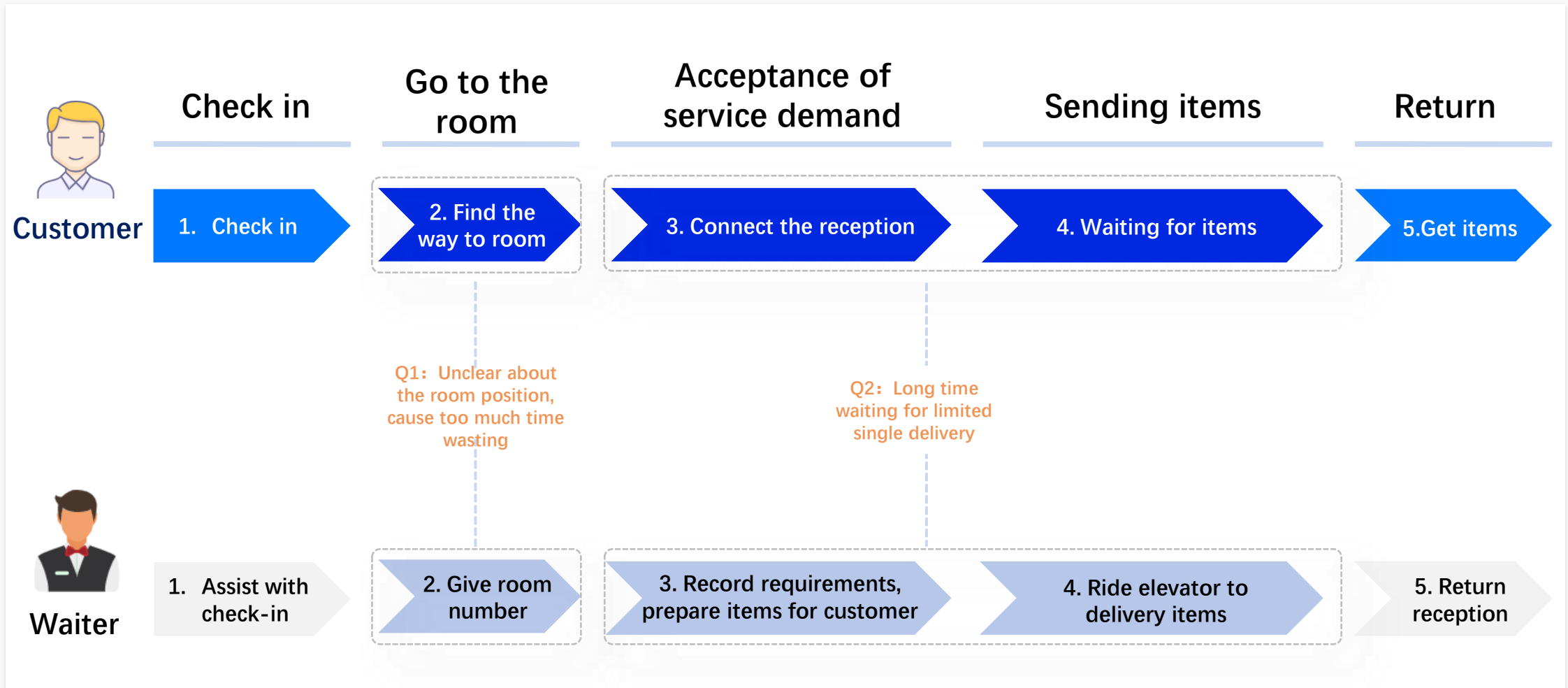
1000 — recognizes 550 people on a daily basis, and over **1000 people are covered** by weekend advertisements per robot
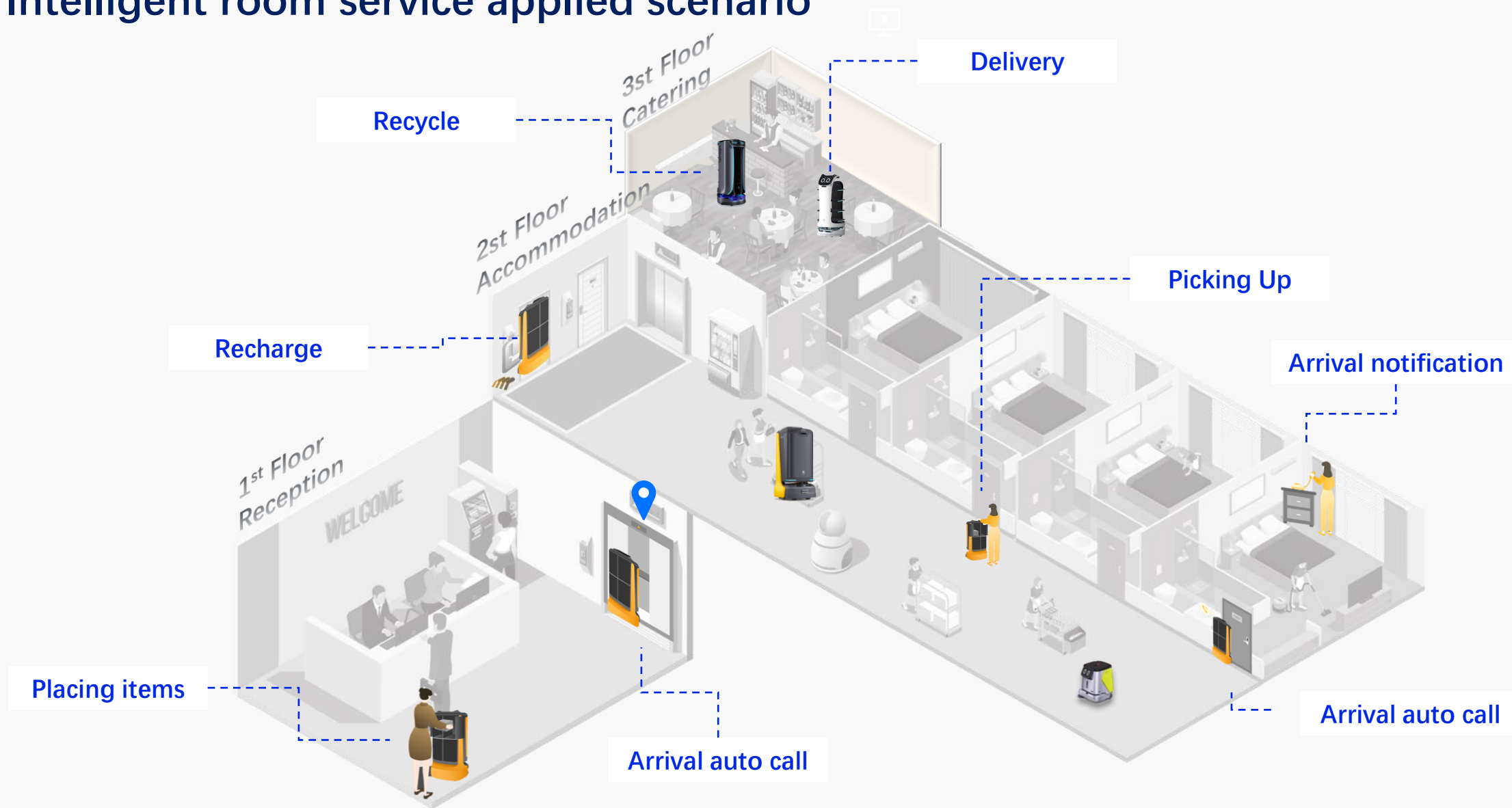
22375 — **Exposure area** of mobile advertising is over 22375m2 per robot per day

Scenario scheme 2: Hotel room service

Customer

Check in

Go to the room

Acceptance of service demand

Sending items

Return

1. Check in

2. Find the way to room

3. Connect the reception

4. Waiting for items

5.Get items

Q1：Unclear about the room position, cause too much time wasting

Q2：Long time waiting for limited single delivery

Waiter

1. Assist with check-in

2. Give room number

3. Record requirements, prepare items for customer

4. Ride elevator to delivery items

5. Return reception

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Intelligent room service applied scenario

Delivery

Recycle

3st Floor Catering

2st Floor Accommodation

Picking Up

Recharge

Arrival notification

1st Floor Reception

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Placing items

Arrival auto call

Arrival auto call

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Intelligent room service applied scenario

01 Closed encryption hatch
Full of science and technology, the distribution process is safe and worry, and the distribution of goods is safe and assured

02 Automatic recharge
Supports automatic recharge without manual assistant, worriless 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

Quick task responder

➢ Single multitasking
➢ Multi-iot approach
➢ Pass by 75CM guest corridors

Senior ambience maker

➢ Customized projection
➢ Connected Aromatherapy, atomizer, mobile atmosphere accentuated

SwiftBot

The new mode to find your room quickly

Chose your destination on FlashBot screen, FlashBot will lead customer the fastest way.
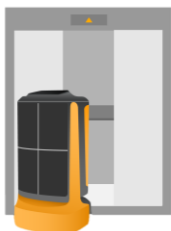
FlashBot can call the elevator before, so customer don't have to wait for elevator for a long time.

When FlashBot arrived at the destination room, FlashBot will announced arrival notifications by voice.

Video URL:
https://drive.google.com/file/d/1Jxx6A8zf0nRRTfvCxhsJ9pgqqfC0HXwV/view?usp=sharing

Intelligent room service Process

Call for service

Scan QR code to order

Call for service

Receive customer's demand through online platform

Receive task schedule

Place items

Returning

Picking up

Auto call

Auto ride elevator

IoT Technology

See FlashBot's Superpower

The IoT technology allows operating instructions to be transmitted between FlashBot and other devices in the building via a cloud-based network connection. This enables FlashBot to take elevators automatically for delivery across floors.

Move across the floors: Auto ride a elevator

3 types to connect elevator

➤ **Hardware transformation**

Upgrade the elevator and install the PUDU elevator control module .

➤ **Elevator control Cloud**

Elevator manufacturers provide API interface, PUDU development elevator control logic.

➤ **Open API**

PUDU provide API interface, Elevator manufacturers development robot control logic.

Taking an elevator
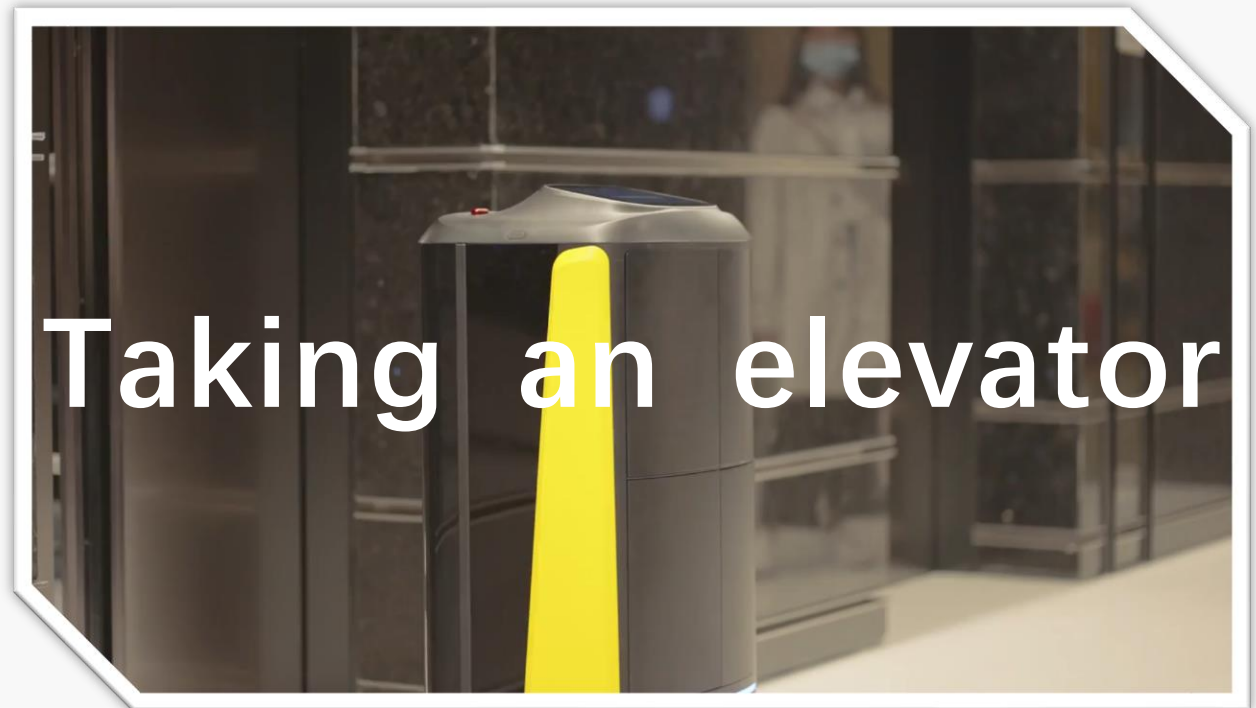
Video URL：https://drive.google.com/file/d/1EnjOtx2naATnZlGBgry_t8EHLUp_FvBe/view?usp=share_link

Intelligent notifications

Fixed point arrival, scheduled call

Telephone notifications

After the robot arrives at the target point, it will notify the robot of the arrival information by phone or SMS with the mobile phone number entered during delivery.

APP Real-time notification

Guests can place orders through the APP. when the robot arrived before the door, robot send task finished message to APP through the Internet. APP will remind guest its arrival.

Landline notification of arrival

A controller is installed in the hotel telephone system, and when the robot arrives at the target point, it will call the phone in the hotel room to announce its arrival

Video URL:
https://drive.google.com/file/d/1JQdHLqa0DzdcM0khlHTM1RjNLEquMTkF/view?usp=sharing

Making a phone call

Video URL:
https://drive.google.com/file/d/1LRf9HIHEO0MpFyZZJpoila3j3_WZi64p/view?usp=share_link

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Rebuilt the delivery mode

Modular Adjustable Compartment, Bigger Than Bigger

The multi-functional compartment maximizes space utilization, enabling FlashBot to perform multiple tasks with a single tap.
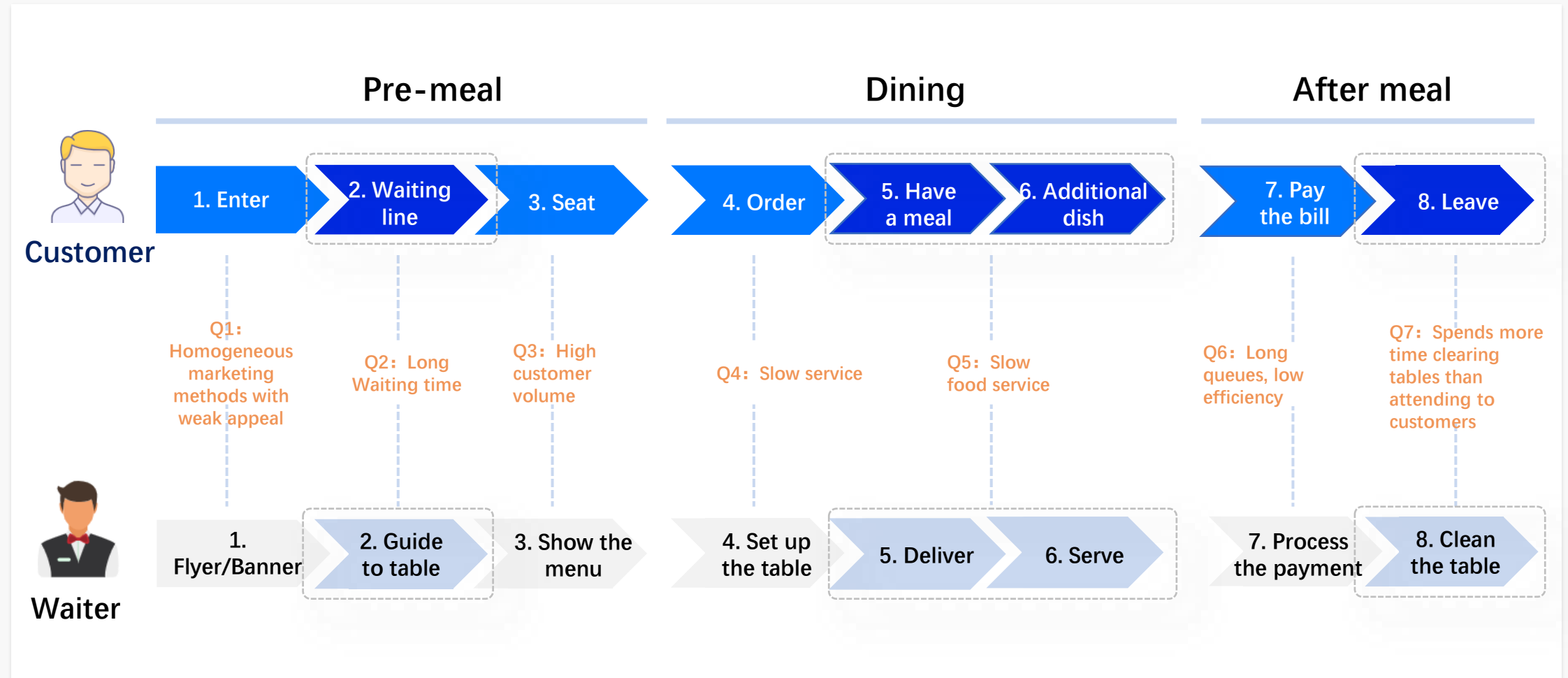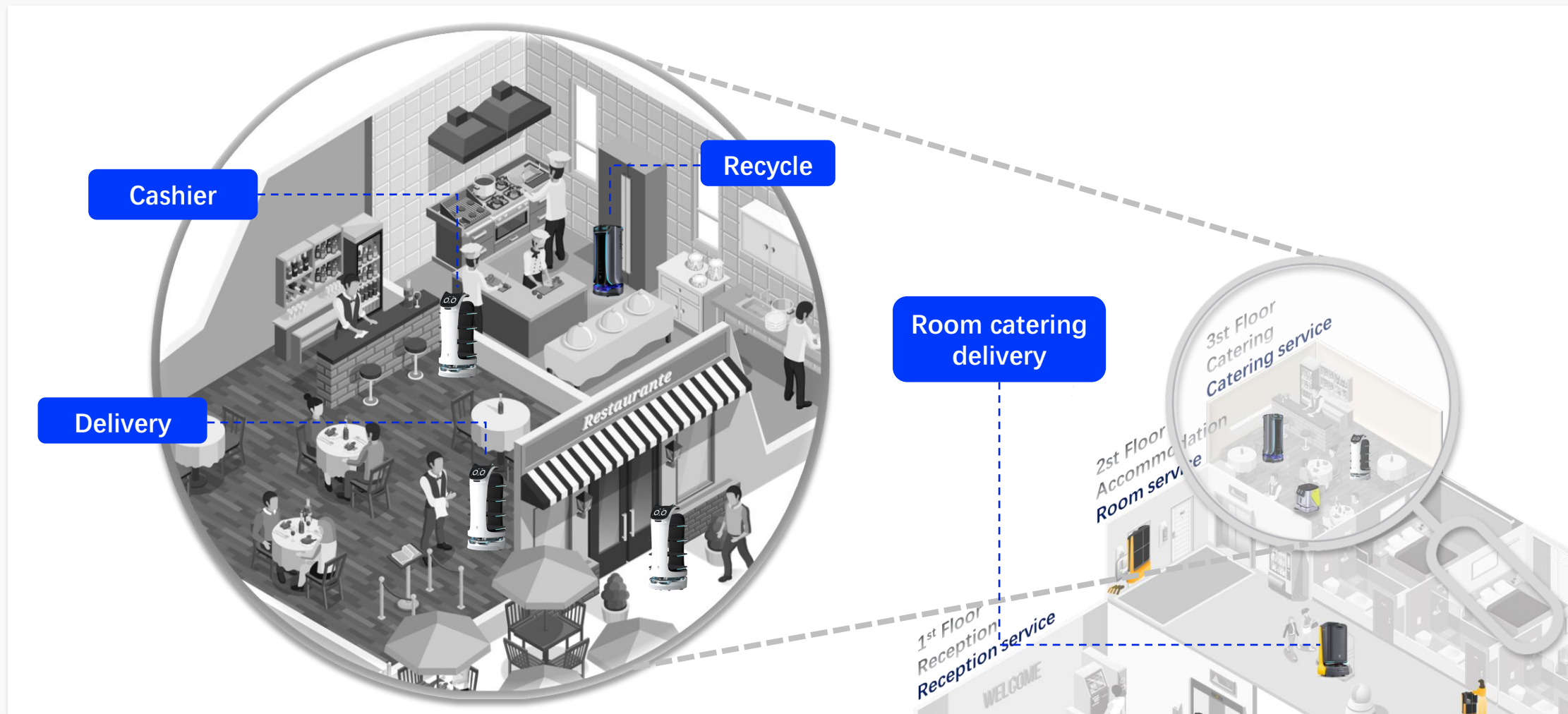
UV Sterile Compartment

The compartment features a UV germicidal lamp that offers a sterilization rate of up to 99.9%, delivering greater peace of mind.UV can be turned off.

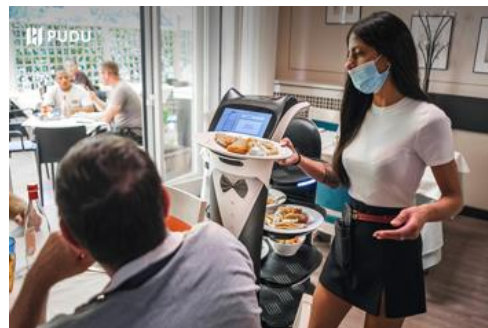# Scenario scheme 3: Hotel catering service

Pre-meal

Customer

1. Enter
2. Waiting line
3. Seat

Q1： Homogeneous marketing methods with weak appeal

Q2： Long Waiting time

Q3： High customer volume

Waiter

1. Flyer/Banner
2. Guide to table
3. Show the menu

Dining

Customer

4. Order
5. Have a meal
6. Additional dish

Q4： Slow service

Q5： Slow food service

Waiter

4. Set up the table
5. Deliver
6. Serve

After meal

Customer

7. Pay the bill
8. Leave

Q6： Long queues, low efficiency

Q7： Spends more time clearing tables than attending to customers

Waiter

7. Process the payment
8. Clean the table

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Scenario scheme 3: Hotel catering service

Cashier

Recycle

Delivery

Room catering delivery

Restaurante

3st Floor
Catering
Catering service

2st Floor
Accommodation
Room service

1st Floor
Reception
Reception service

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Hotel catering delivery scheme

Human-Robot Collaboration: Driving Quality and Efficiency in Service

Hotel catering delivery scheme

Pager

Pudu Link App

4G/Lora Watch

KDS System

Robot control mode

Call the robot remotely

Place on the robot

Delivery

Take food
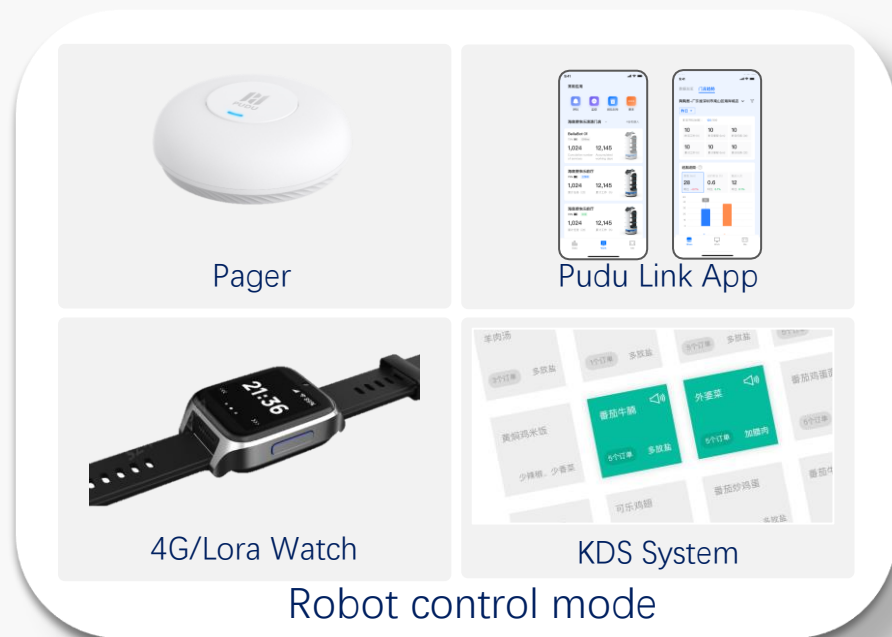
Next task or go back to kitchen

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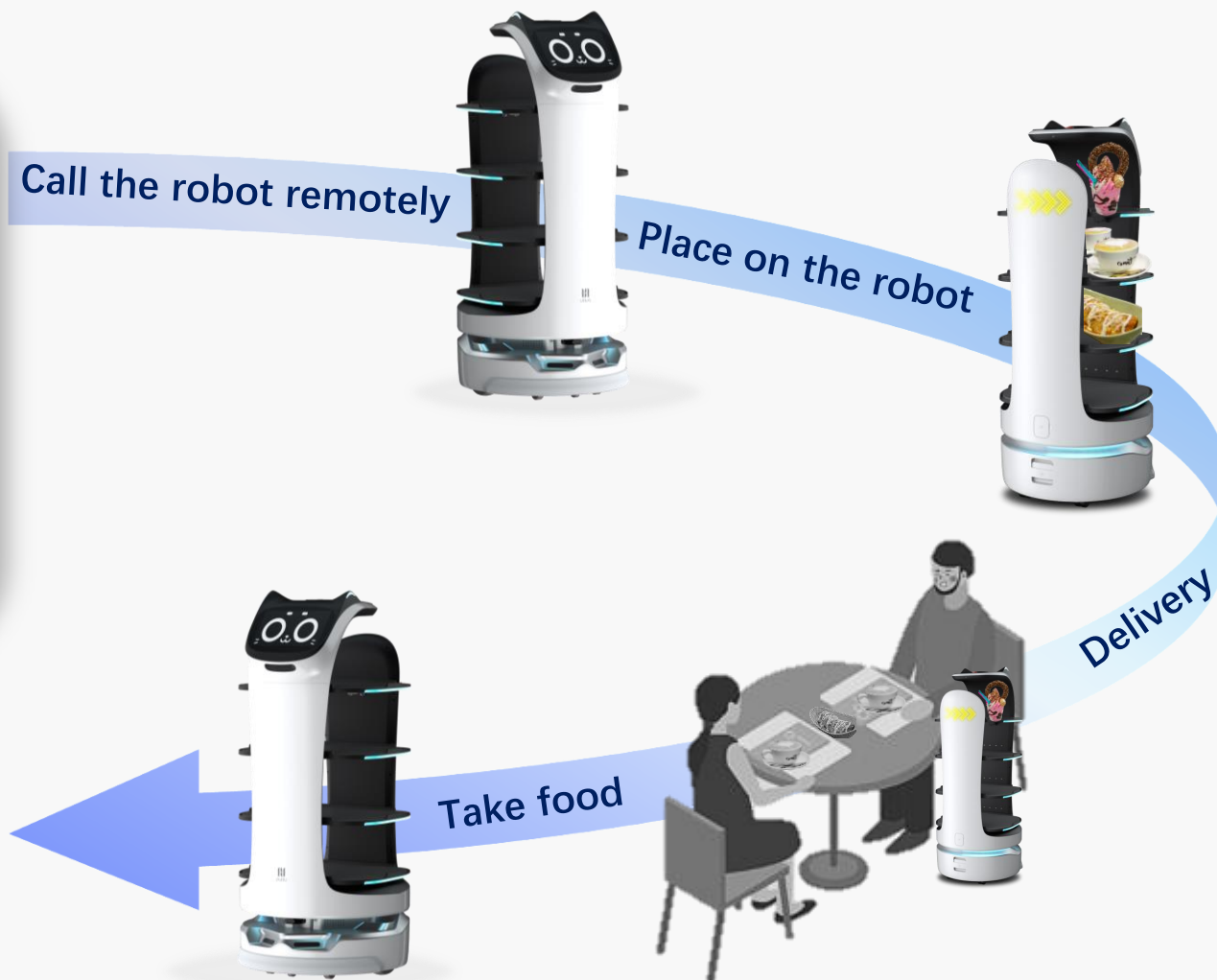
Hotel catering recycle scheme

Multi-functional: 5 Modes Switchable with One Click

In order to adapt to different scenarios robot provides a variety of modes to choose from.

- Remote call
- Autonomous positioning navigation
- IPX5 waterproof

- 60KG load capacity
- Intelligent audio source tracking
- Multiple modes

- Contactless delivery
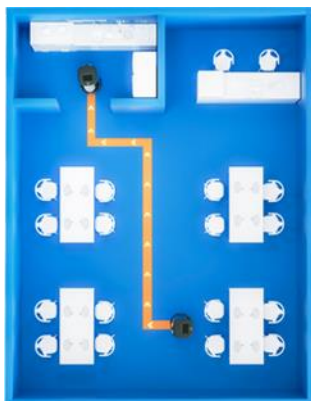- Digitized management
- Changeable battery

Mode.1：Manual mode

Manually edit the tasks, can click the screen, or press the pause button to modify the tasks at any time.
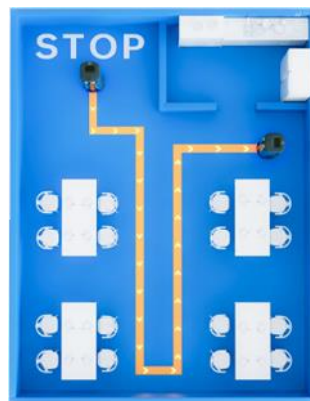
Mode.2： Go Dishwashing

Go back to the dishwashing area

Mode.3： Go standby point

Go back to standby point

Mode.4：Dish-return Mode
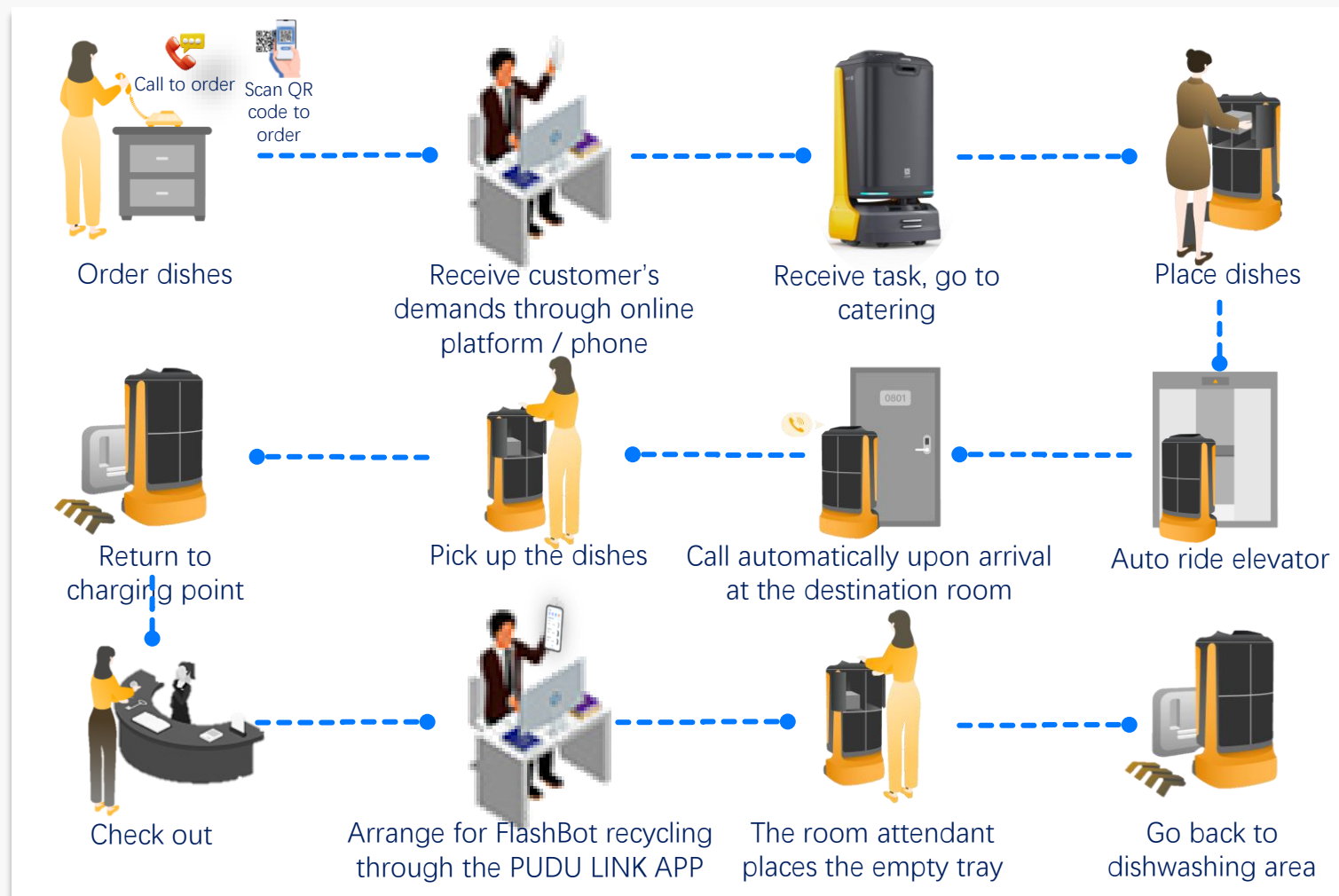
Go back to standby point

Mode.5： scheduled return

Select an automatic return time, and the robot will go back

Hotel room catering delivery scheme

Order dishes

Call to order

Scan QR code to order

Receive customer's demands through online platform / phone

Receive task, go to catering

Place dishes

Return to charging point

Pick up the dishes

Call automatically upon arrival at the destination room

Auto ride elevator

Check out

Arrange for FlashBot recycling through the PUDU LINK APP

The room attendant places the empty tray

Go back to dishwashing area

Cross-floor catering delivery

7*24h room catering service

Eat whenever you want

The modular body of FlashBot enables all kinds of meals to be classified and stored, and meals can be delivered to customers at the fastest speed through communication with turnstile, gate, elevator, telephone, and various IoT devices.
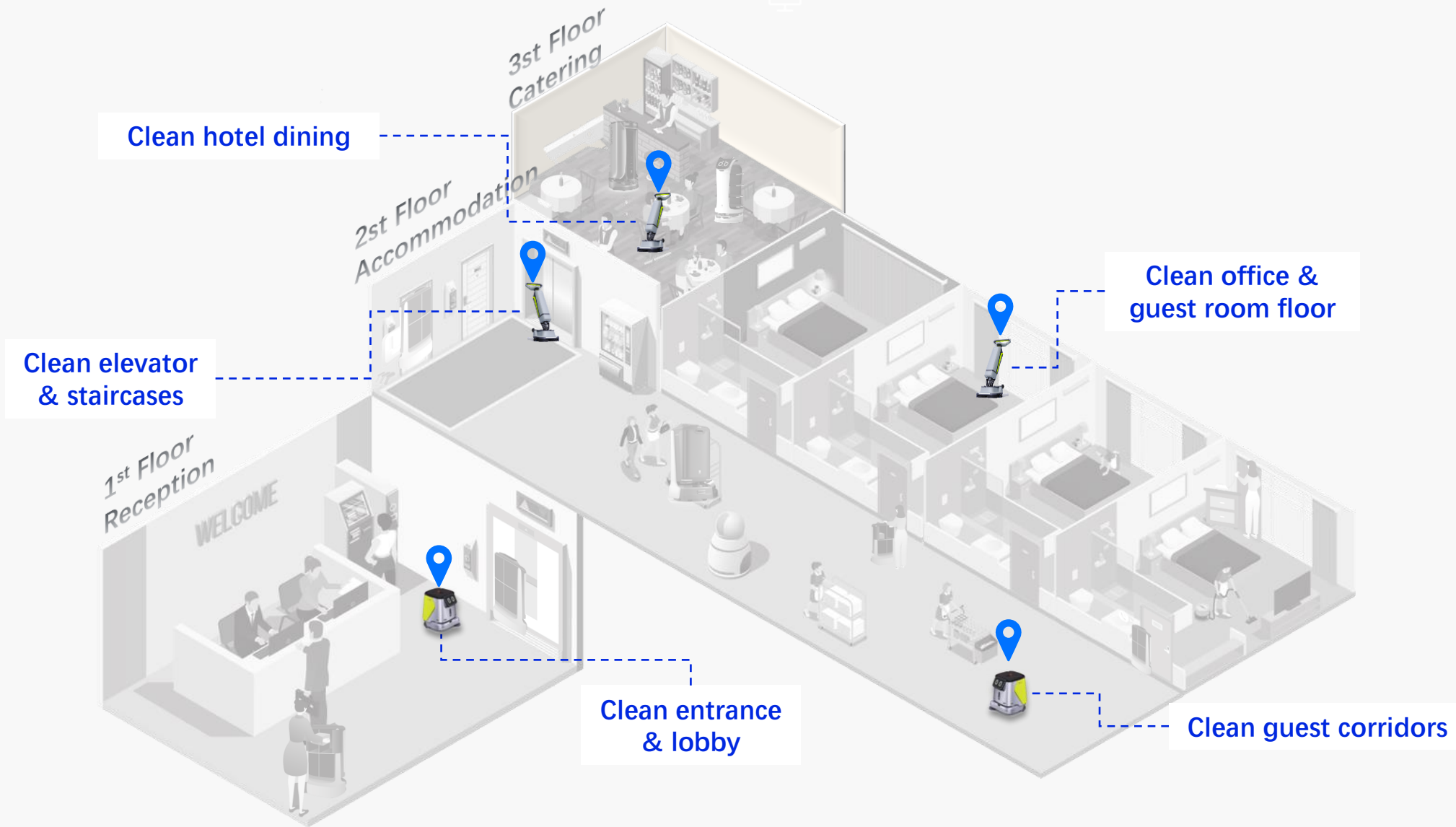
Enjoy the freshest food in your room

Scenario scheme 4: Hotel cleaning service

Hotel public floor area cleaning schedule

Location	Entrance & Lobby	Elevators & Staircases	Guest corridors	Dining area	Office area & Guest room
Job duties	Carpeted should be vacuum to remove dust & grits; Hard floor should be mopped.	Clean the dust at the skirting; Carpeted should be vacuum to remove dust & grits; Hard flooring should be suctioned cleaned and then damp mopped.	Many hotel's corridors are fully carpeted. Carpets should be vacuum and shampooed;	Sweep and mop the floor before event. If the area is carpets should be vacuumed.	Sweep and mop the floor. If the area is carpets should be vacuumed.
Frequency	Carpet: once a day; Hard floor: every 2 hours	Skirting dust: Weekly cleaning; Carpets & Hard floor staircase: Daily cleaning	Skirting dust: Weekly cleaning; Carpets & Hard floor staircase: Daily cleaning	Sweep: Twice a day; Mop: 6 times a day	Sweep & Mop: Once a day; Vacuuming: Once a day

Intelligent hotel cleaning service applied scenario

3st Floor Catering

2st Floor Accommodation

1st Floor Reception

Clean hotel dining

Clean office & guest room floor

Clean elevator & staircases

Clean entrance & lobby

Clean guest corridors

WELCOME

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Two types of cleaning robot, Full scene coverage

PUDU CC1

Scumming & Sweeping & Vacuuming & Mopping 4 in 1

Suitable for wide ground

- Hard floor (such as tile, pvc floor, etc.)
- Short wool carpet
- Hard floor (e.g. marble floor)

Multi-Machine Intelligent Scheduling
Systematic operation of robots in office buildings and residences

Versatile Cleaning
Modular Component Design Accessories such as side brush, roller brush, squeegee, and mopping sweeper can be loaded and unloaded within 1 minute)

Suit Various Floor Types
Suitable for both hard floors and soft carpets

5h Continuous Scrubbing
Extra-long run-time for cleaning

Digital Cleaning
Cleaning results are clearly visible in the automatically generated reports

Fit Corners Perfectly
Cleans every corner

Auto Recharging & Automatic Water Addition & Drainage
No manual intervention worry-free and labor-saving

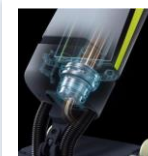## PUDU SH1

Vacuuming & Brushing & Watering 3 in 1

Suitable for narrow ground

- Hard floor (such as tile, pvc floor, etc.)
- Hard floor (e.g. marble floor)

350rpm Brush Speed 22kg Brush Pressure
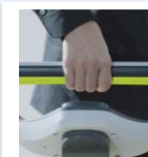Accelerates the elimination of tough stains, leaving the floor sparkling clean.

12000pa Strong Suction Power
Avoiding secondary pollution and delivering a great cleaning result.
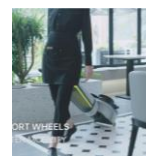
Power-assist System
The self-propelled design drives the SH1 forward, making floor cleaning effortless.

Single-handed Control
The SH1 can be easily controlled with one or both hand, providing ergonomics and a light weight feel to your arms during use.

Easily Transport to multiple locations
Its exceptional maneuverability and portability make it ideal for mobility cleaning.

Quick disassembly Easy maintenance
Solution & recovery water tank, battery, brushes, squeegee

Light Strips Detection
The LED light strips highlight stains hidden in dark areas like wall corners and spaces under the table.

Fit Corners Perfectly
It can clean the tight path of 44cm width and a low space of less than 10cm height

7*24h Automate cleaning tasks
Man-robot cooperation , More efficiency

4：00-5：00
Entrance & Lobby
- ✓ Sweeping
- ✓ Vacuuming carpets
- ✓ Mopping hard floor

5：00-7：00
Guest corridors
- ✓ Sweeping
- ✓ Vacuuming carpets
- ✓ Mopping hard floor

7：00-9：00
Lobby
- ✓ Sweeping
- ✓ Mopping hard floor
- ✓ Circle operation

7：00-9：00
Elevator & Staircases
- ✓ Scrubbing hard floor

9：00-13：00
Auto-charge & Add water automatically

10：00-14：00
Dining area
- ✓ Scrubbing hard floor

13：00 & 19：00
Repeat morning clean task
- ✓ Sweeping
- ✓ Mopping hard floor

16：00-21：00
Dining area
- ✓ Scrubbing hard floor

7：00-9：00
Office area
- ✓ Scrubbing hard floor

9：00-14：00
Guest room
- ✓ Scrubbing hard floor

16：00-18：00
Office area
- ✓ Scrubbing hard floor

Cleaning : Automated crossing-floors cleaning

IoT

An intelligent IoT system makes it easy to connect **elevators 、 turnstiles 、 entrance guards , etc.** , enabling automatic elevator and entrance guard access, auto-calling of elevators, crossing-floors cleaning and autonomous return trips.

Solve crossing-floors cleaning issues , combine with charge station and work station , Realize 24H fully unmanned operation, and greatly improve the utilization rate of robots in hotel scenes, maximize the efficiency of cleaning robots.
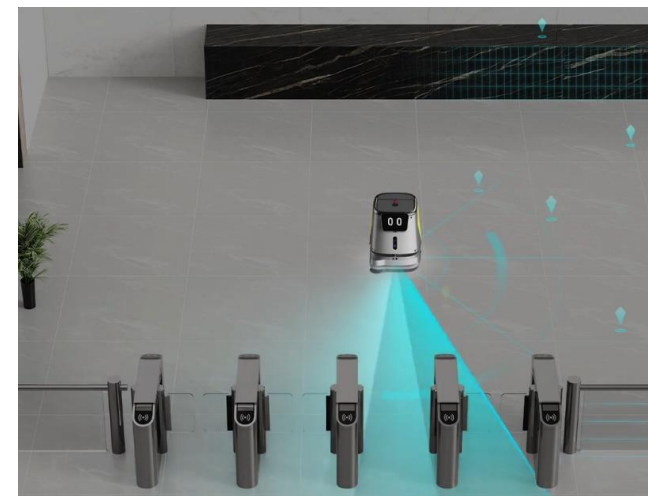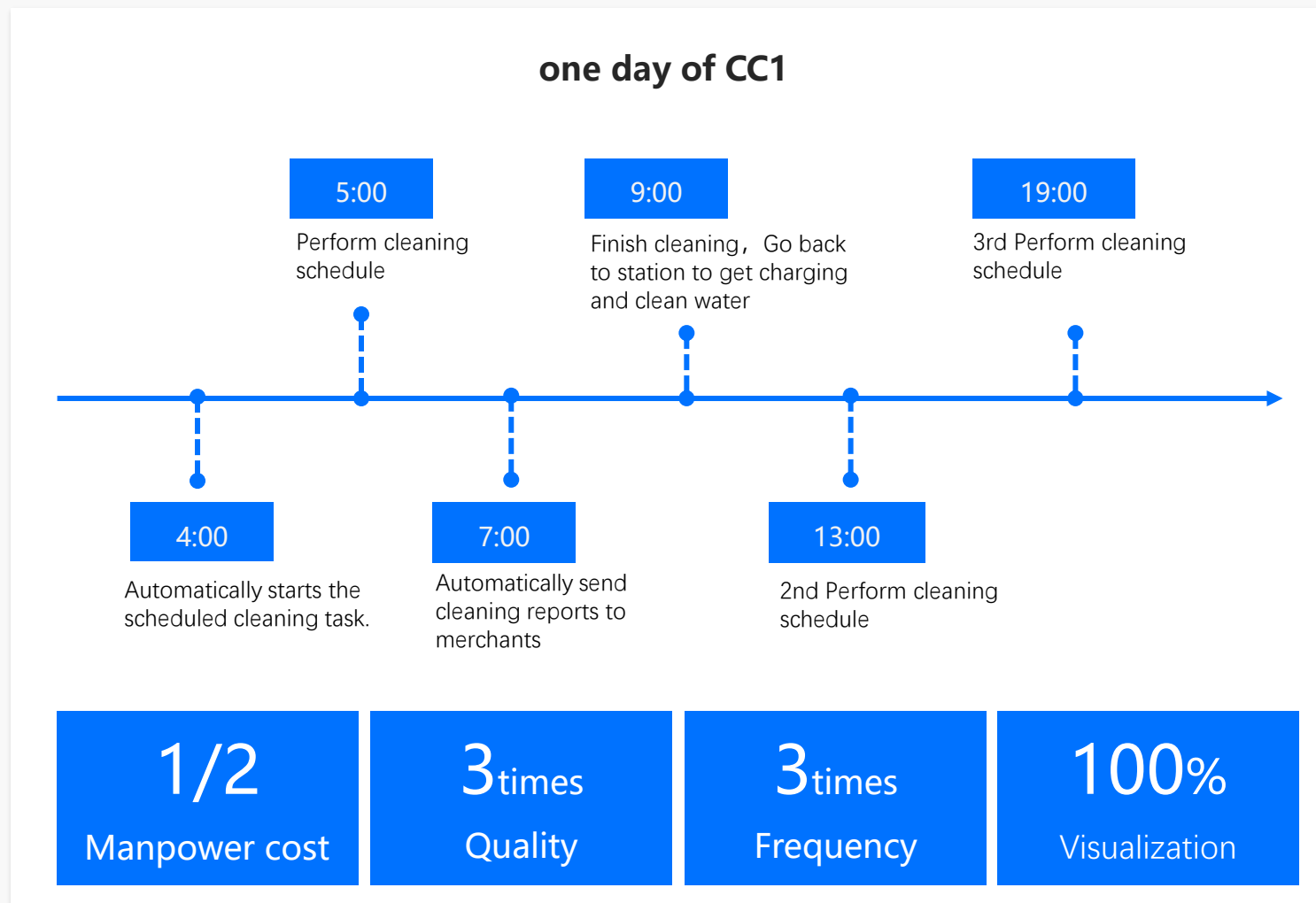
Elevator	Entrance guard	Turnstile

Cleaning：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

5:00
Perform cleaning schedule

9:00
Finish cleaning，Go back to station to get charging and clean water

19:00
3rd Perform cleaning schedule

4:00
Automatically starts the scheduled cleaning task.

7:00
Automatically send cleaning reports to merchants

13:00
2nd Perform cleaning schedule

| 1/2 Manpower cost | 3times Quality | 3times Frequency | 100% Visualization |

Cleaning : Automated crossing-floors cleaning

Digital Platform Real-time synchronization of cleaning data, display of cleaning duration, area, etc., self-generated cleaning reports, and clear cleaning results

Other scenarios: IoT

Restaurant Management System

Online order system

KDS system

Cashier system

Hotel Management System

Materials, Costing & Accoutning

E-POS

On-line Distribution

Hotel PMS

Interfaces

HOTELS   F&B SERVICE   VENUES   CLUBS

Independent Units and Chains

Integration mode

API SDK
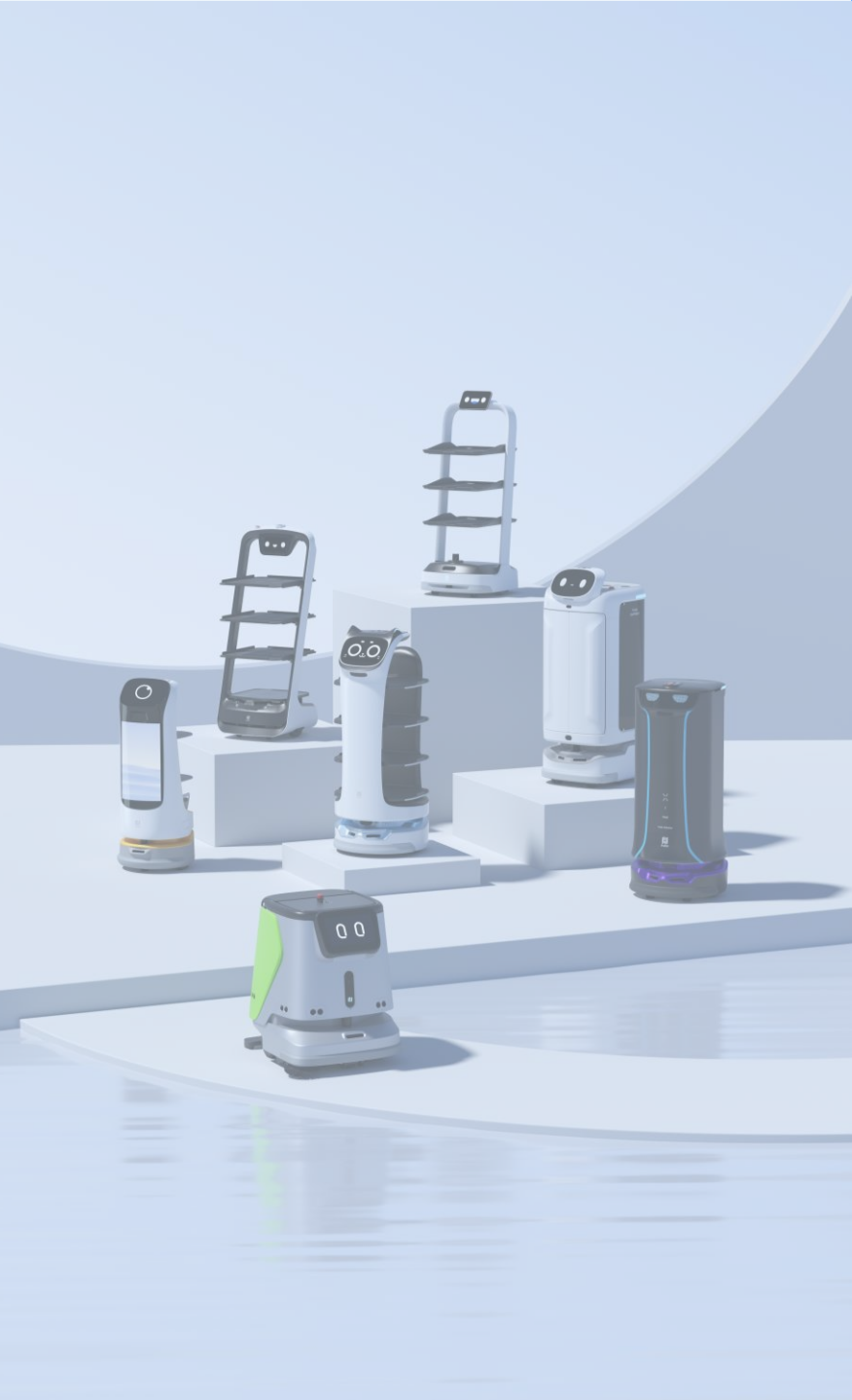
android
PUDU OS

Bluetooth

LoRaWAN®

Scan QR code to order, robot receipt signals wirelessly.

Connect with all restaurant system and enclose catering work process automatically.

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

Interconnection , More than imagine ......

03

Successful Cases

- Successful case : Junyi Hotel
- Successful case : O3 Restaurant & Bar

Value Summary

Increase sales revenue
Robots can broadcast hotel services and promotion products to guests precisely, increasing sales and customer satisfaction.

Respond quickly to customer needs
Customer proposed room service requirements , such as : things delivery and foods delivery. Robot always be the 1st came to you.

Improve customer dining satisfaction
Reduce direct contact with customers during meal delivery, and lower the risk of bacterial transmission.

Decrease cleaning workload
Robots help cleaners free themselves from tedious, repetitive cleaning work and let the manpower to where it is really needed.

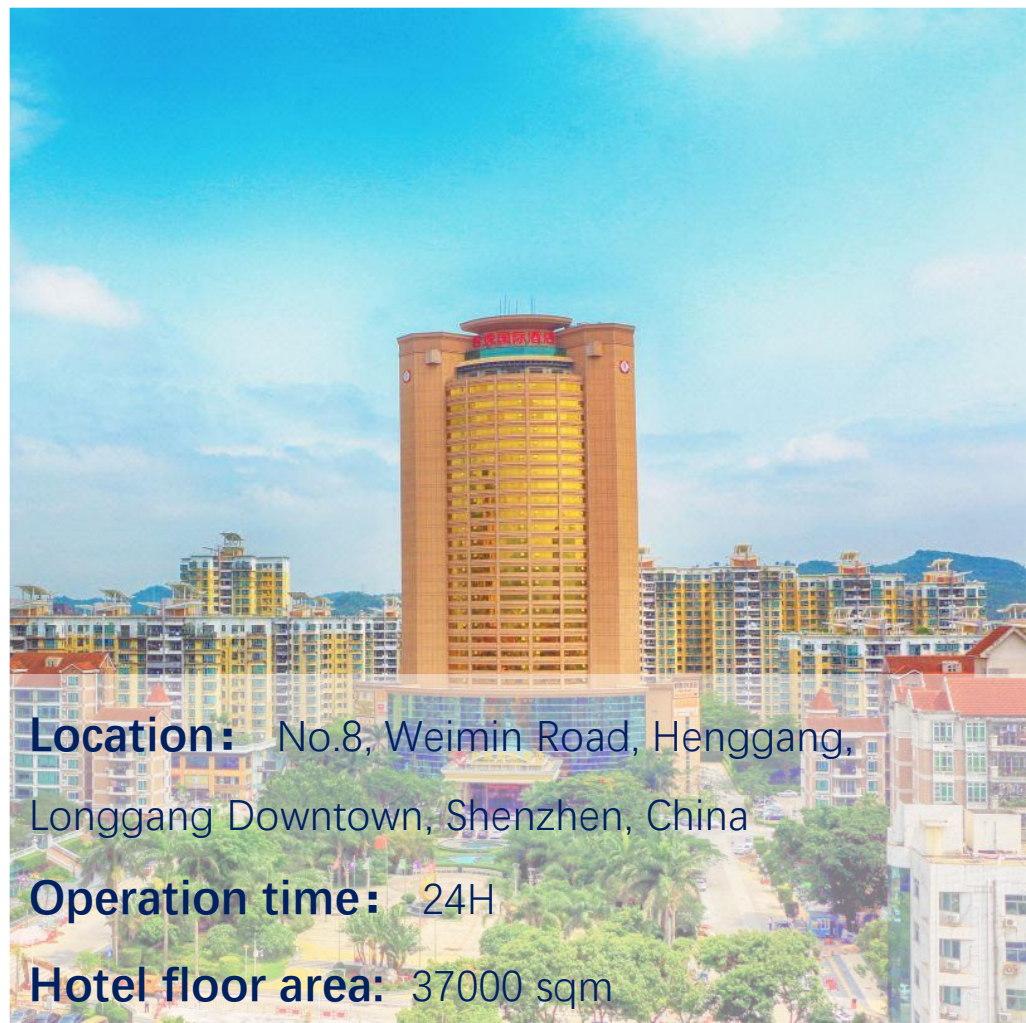### Optimize work content configuration
Man-machine collaboration, the tedious, repetitive, low-skill work to be completed by robots, optimize the staffing of each position, effectively save labor costs.

Enhance the core competitiveness of differentiation
Digital management, remote real-time monitoring. Different from traditional hotel services to form brand differentiation.

Successful case : Junyi Hotel

Location： No.8, Weimin Road, Henggang, Longgang Downtown, Shenzhen, China

Operation time： 24H

Hotel floor area: 37000 sqm

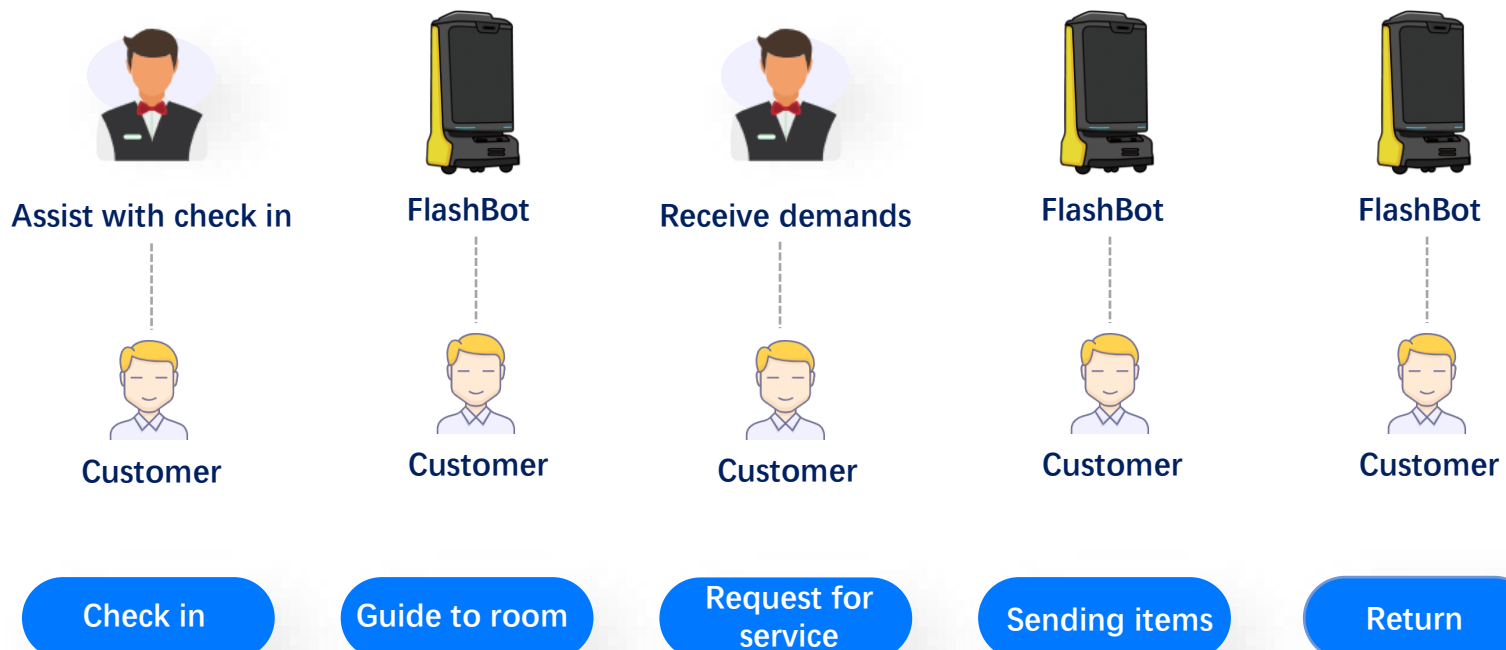|	
Number of floors： 27	Number of restaurant : 3
Number of rooms : 376	Conference room : 1

FlashBot Features
FlashBot
Working in a Hotel

Video URL：
https://drive.google.com/file/d/1R7JamspbnnFgqLYmLaWUDxQFjifB5BJr/view?usp=sharing

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Successful case: Junyi Hotel

Process

Assist with check in	FlashBot	Receive demands	FlashBot	FlashBot
Customer	Customer	Customer	Customer	Customer
Check in	Guide to room	Request for service	Sending items	Return

Configuration

Item	QTY
FlashBot	2
Charging station	1

JUNYI HOTEL
INTERNATIONAL
君逸国际酒店

Successful case : Junyi Hotel

After using the FlashBot, the hotel's rating on a website increased significantly

7.9
Service score has increased 0.3

10.0
food score has increased 0.5

8.0
Room score has increased 0.1

8.5
Cleanliness score has increased 0.6

Improved brand image

Hotels using FlashBot can present a modern and intelligent image, enhancing brand image and attractiveness.

Improved management efficiency

FlashBot assist hotels in collecting & analyzing customer data, improving management efficiency and decision-making ability..

Increased customer consumption experience

FlashBot can provide personalized service and information to guests, making them feel more cared for. It could increase online website rating constantly.

Successful case : O3 Restaurant & Bar

O³EAT — O3 Restaurant & Bar

Location： Warsaw, Poland

Acreage： The total area is close to 1000㎡, dining area & bar area totaling about 500㎡

Staff Qty：

Dining area: reception staff about 4-8

Table QTY：50+	Maximum capacity：Up to 200 guests
Kitchen：Closed kitchen	Aisle：Minimum width 1.2m

PUDU

BellaBot & HolaBot

Serving at Hotelu O3 in Poland

Video URL： https://www.youtube.com/watch?v=KZ644p7VAg8

Successful case : O3 Restaurant & Bar

Process

Guide to table

Bella → **Assist to order** → **Kitchen Preparation** → **Remotely call** → **Delivery** → **Bella**

Customer ----- Customer ----- Customer

● 1. Seat ● 2. Order ● 3. Dining
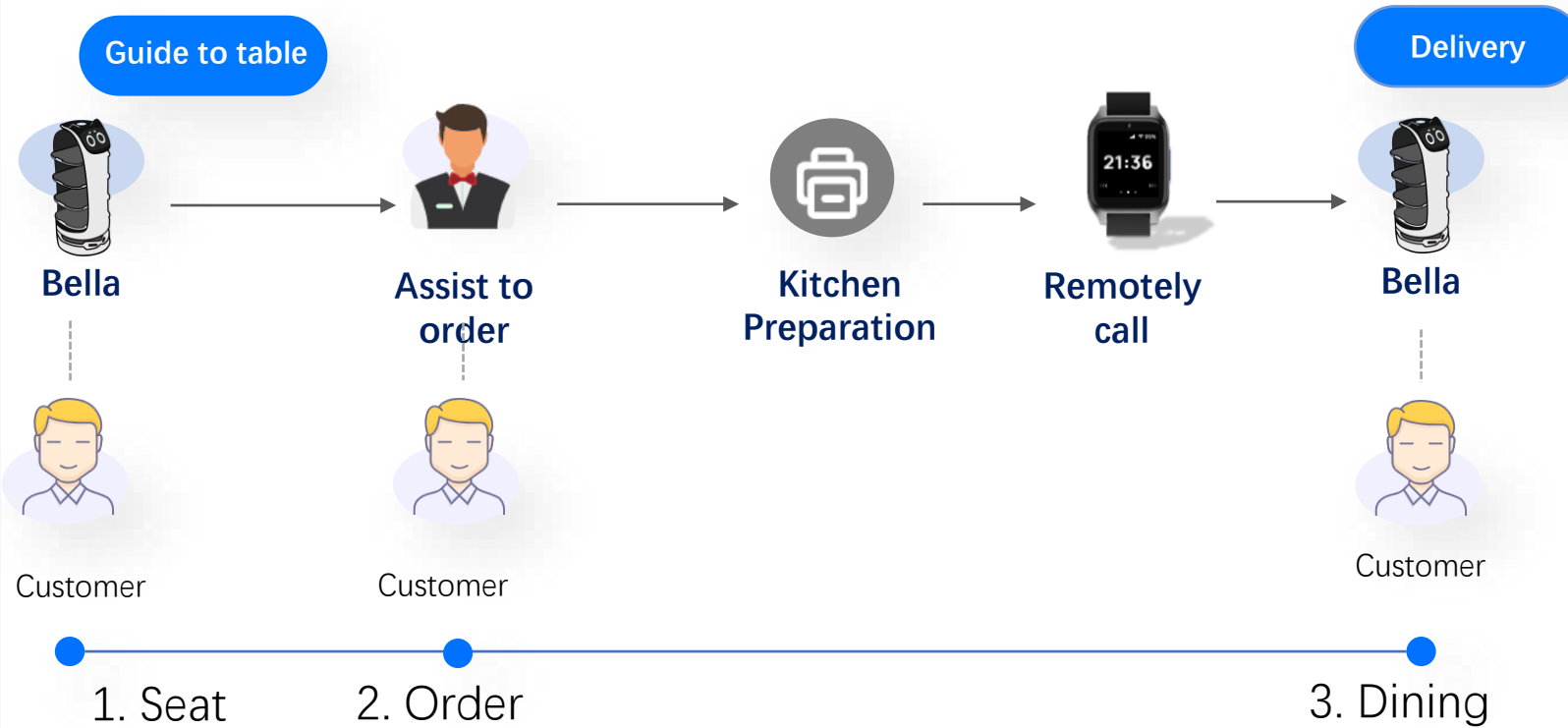
Configuration

Item	QTY
Bella（Food）	1
Hola（Beverage）	1
Lora watch	4
Auto-door	1

O³EAT

Successful case : O3 Restaurant & Bar

Human-robot collaboration form

7*24

Work duration (hour/day)

120+

Number of service tables (per day/table)

275.25

Robot cost (USD/month/table)

80%
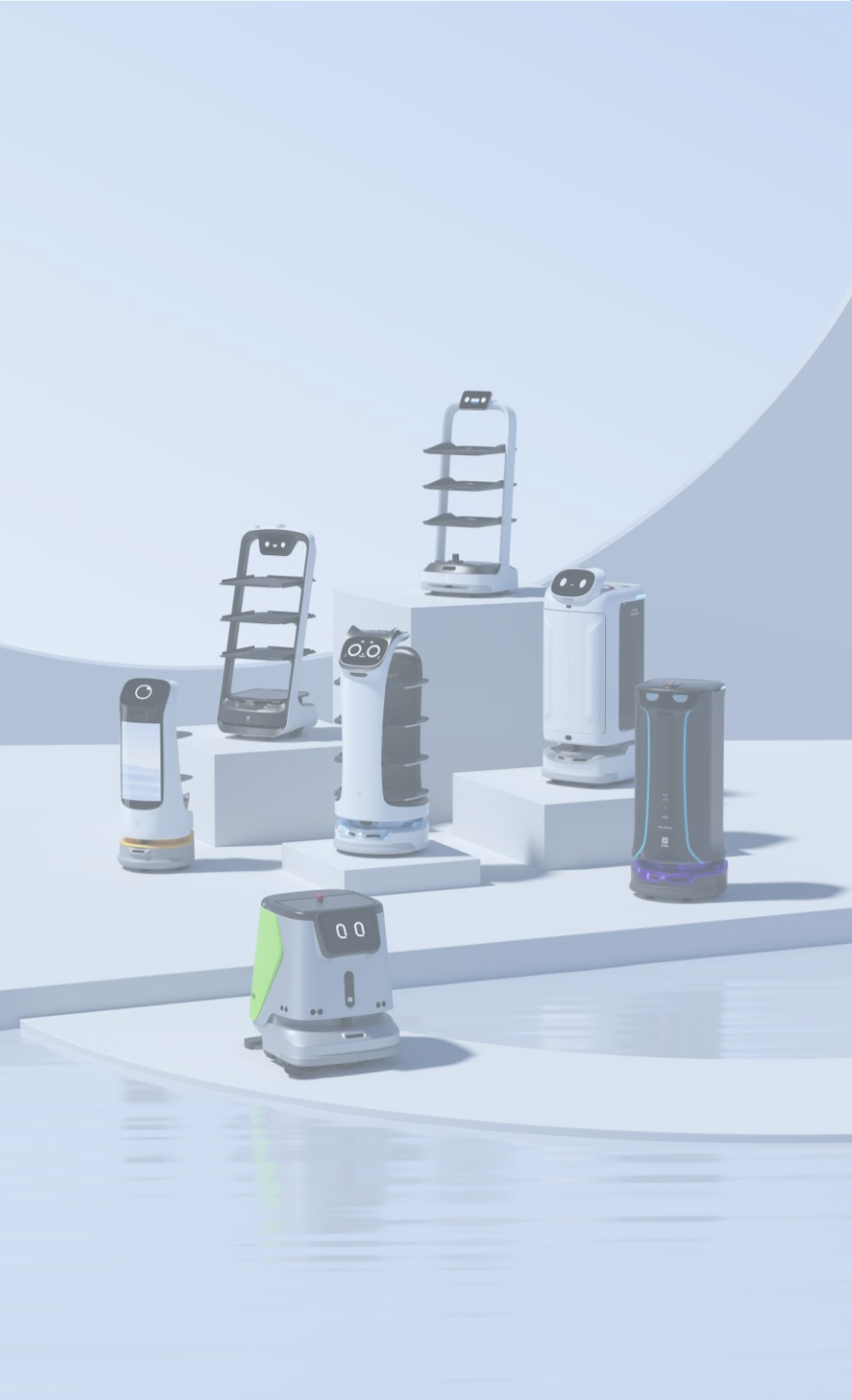
Time efficiency (dining, turnaround)

VS

Traditional manual form

8.0

Work duration (hour/day)

70+

Number of service tables (per day/table)

905.2

Labor cost (USD/month/table)

45%

Time efficiency (dining, turnaround)

PUDU

2023

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

...

PUDU

2023

Delivery Robots

BellaBot

Novelty、cute、fully-perceptive food delivery robot

- Contactless delivery
- Multiple located
- Tray Sensor
- Flexibility
- Personalized Presentation
- Multi-interaction
- Changeable battery
- Safety
- Service

GOOD DESIGN AWARD 2022

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 18.5"
- 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

iF DESIGN AWARD 2023
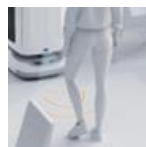
Avoidance Reminder | Operating Status Projection | Atmosphere Projection | Foot-activated Door Projection
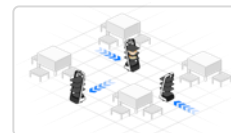
PuduBot

reddot award best of the best

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

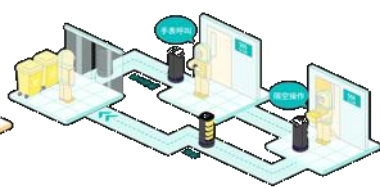Scheduling | 3D avoidance | Independent Suspension

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

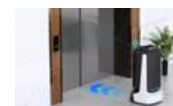Full-Scenario Delivery for Hotels, Offices, Apartments, and Residential Buildings

APP call | Independent cabin door | Customized disinfection time

Take elevator | Auto-door | Arrival notification

Cleaning Robots

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
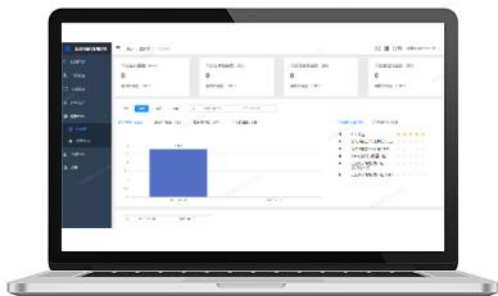
dusting   mopping   sweeping   vacuuming

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
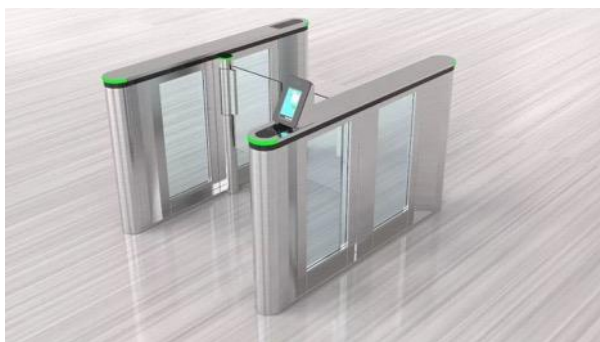
Bluetooth Speaker

Table Tracker

Accessories Solutions

Ketty's Accessories

Enclosed protective cover

Overhead display shelf

Rear housing unit

Self-charging station

Retractable tray border

3-Axis spill-proof cup holder

Fixed beverage holder

Enclosed Protective Cover

Bearing tray（Bella）

Cup holder（Bella）

1-N Customized Solutions

PUDU OS

Robot SDK

Skin

Customized Emoji
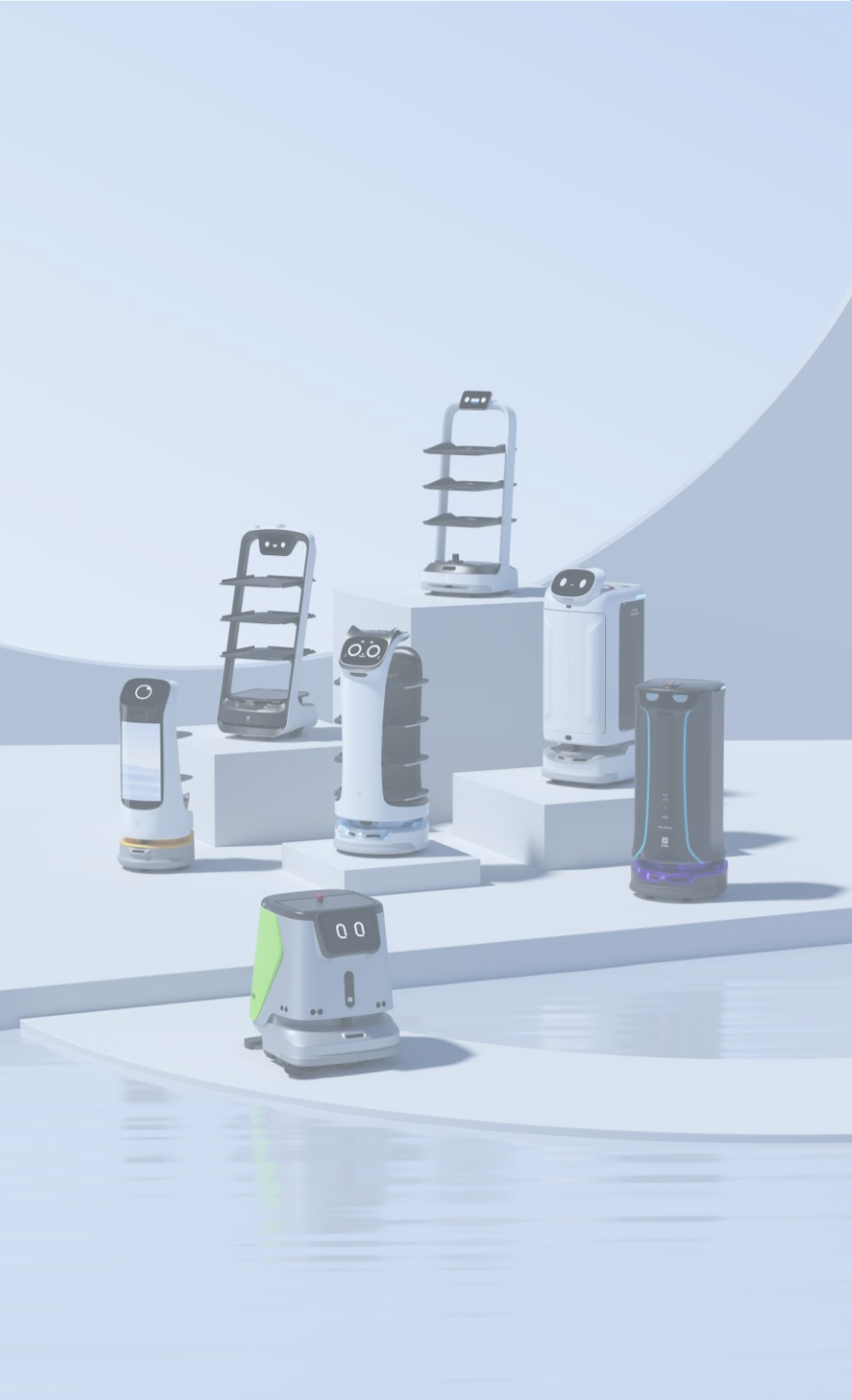

Customized Voice

Customized Software

Combined with 3rd party hardware

More options to come soon

05

PUDU Introduction

PUDU Introduction

Pudu Robotics

In 2016, Pudu Technology was founded in Shenzhen as a national high-tech enterprise that specializes in research, design, production, and sales of commercial service robots. After seven years of development, Pudu Technology has established hundreds of service points worldwide, with business in over 60 countries and regions, delivering more than 56,000 units. It has become a leader in the field of commercial service robots globally. In the age of intelligence, Pudu Technology will continue to uphold the "inventor's spirit" and solidify its technology, refine its products, create truly useful robot products, and enhance the efficiency of human production and life.

* Relevant statistics as of December 2022

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

THINGKING IN THE LIGHT OF FIRST PRINCIPLES

BE ENTERPRISING & ACCOUNTABLE

PURSUING FOR THE ULTIMATE
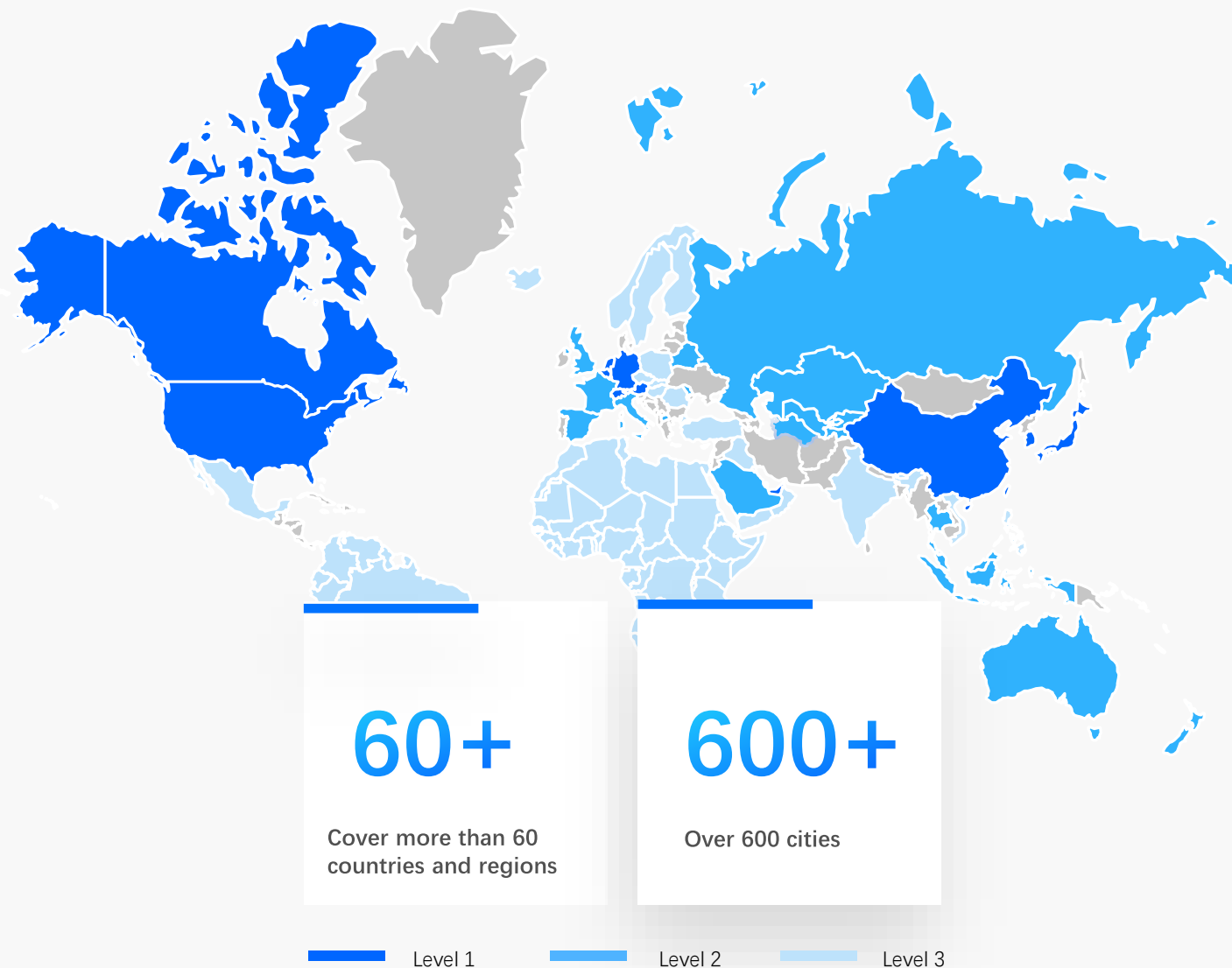
MOVING FAST

BE OPEN-UP

EMBRACING CHANGE

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 December 2022

60+

Cover more than 60 countries and regions

600+

Over 600 cities

Level 1   Level 2   Level 3

Scale Advantage

The world largest commercial service robot manufacturer

Total Sales Quantity

56,000+

56,000+ * units have been sold worldwide

Market Share in All Scenarios

TOP1

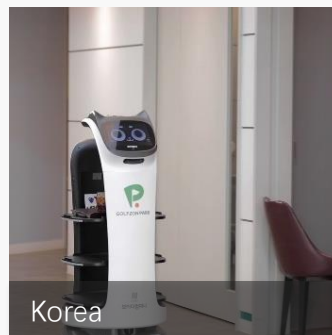The market share in the full range of commercial service robots is No.1

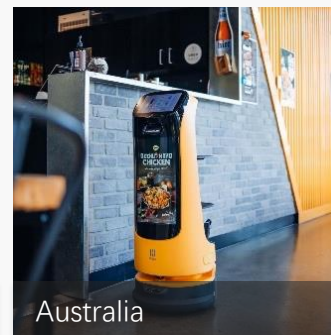### Market Share of the Overseas Catering Industry

>80%

Overseas catering industry's market share > 80%
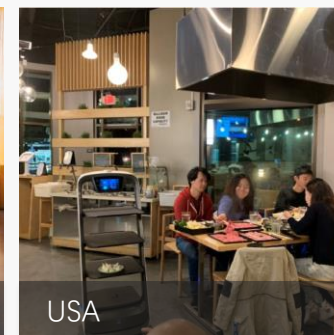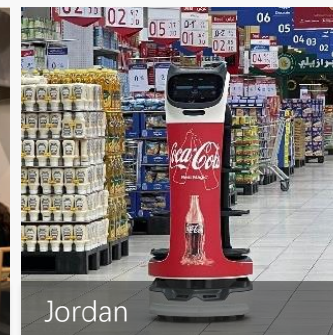
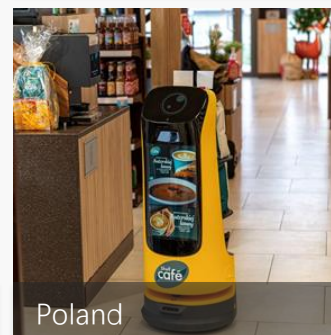* Relevant statistics as of December 2022
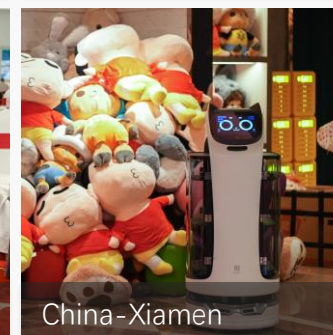

Korea

Australia

USA
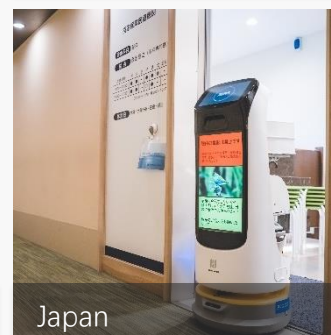

Jordan

Switzerland

Poland

China-Shenzhen

China-Xiamen

Malaysia

Japan
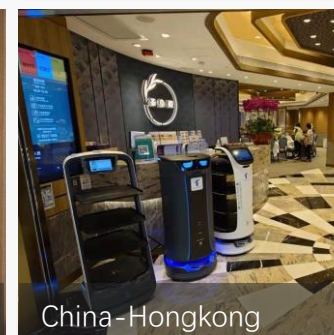
China-Hongkong

China-Taiwan

PUDU

2023
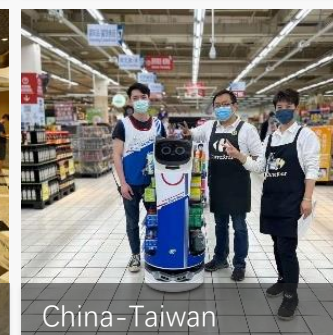
Horner and Certification

Certificate & Patent

All of existing products have passed the multi-certification that match the targeting markets.

Pudu Robotics has applied for about 1300* core patents, of which invention patents are over 60%, involving positioning, navigation, motion control, human-computer interaction, robotics arm, servo motor, computer vision, cloud platform and other technical fields.

* Relevant statistics as of December 2022

Operation Advantage

Global Multi-level Sales System

China：Multi-level Coverage

KA

Serve Top 100 clients in various fields

Distributor

Establish distribution system by industry and region

Multi-level Marketing

Overseas：Highly-controlled, High empowerment

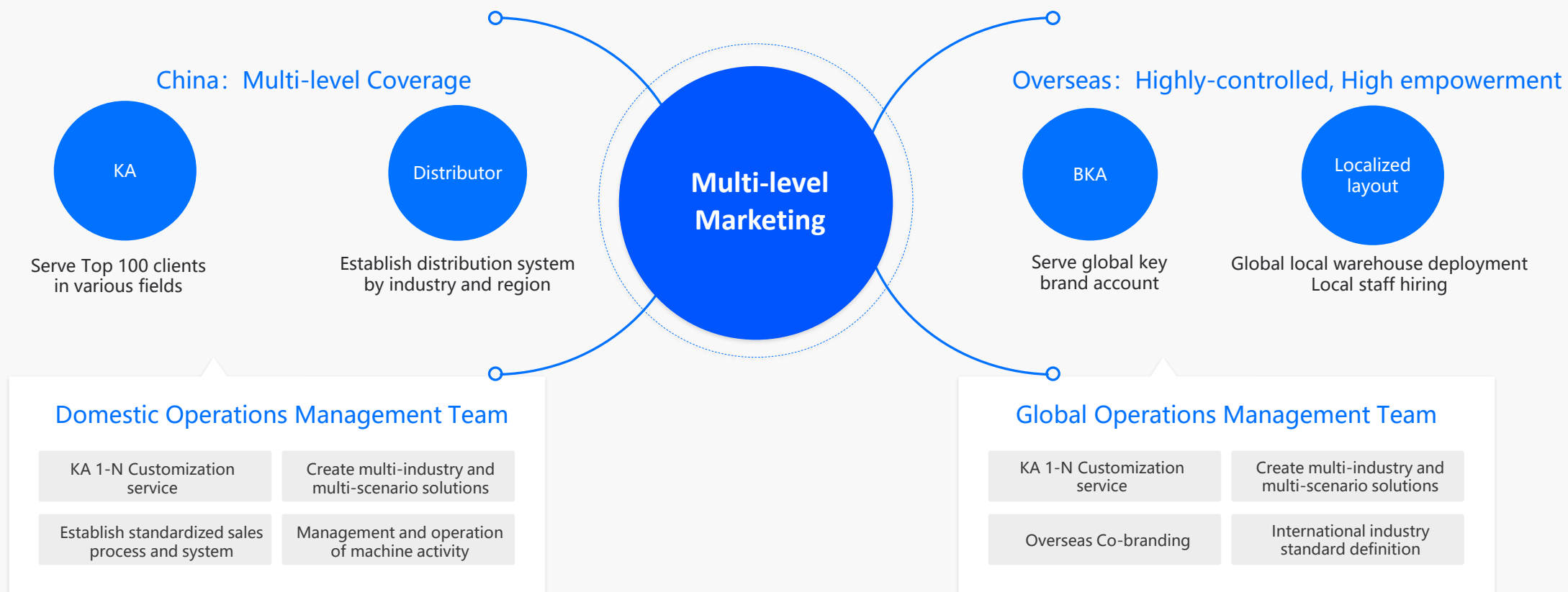**BKA**

Serve global key brand account

Localized layout

Global local warehouse deployment Local staff hiring

Domestic Operations Management Team

KA 1-N Customization service	Create multi-industry and multi-scenario solutions
Establish standardized sales process and system	Management and operation of machine activity

Global Operations Management Team

KA 1-N Customization service	Create multi-industry and multi-scenario solutions
Overseas Co-branding	International industry standard definition

PUDU

2023
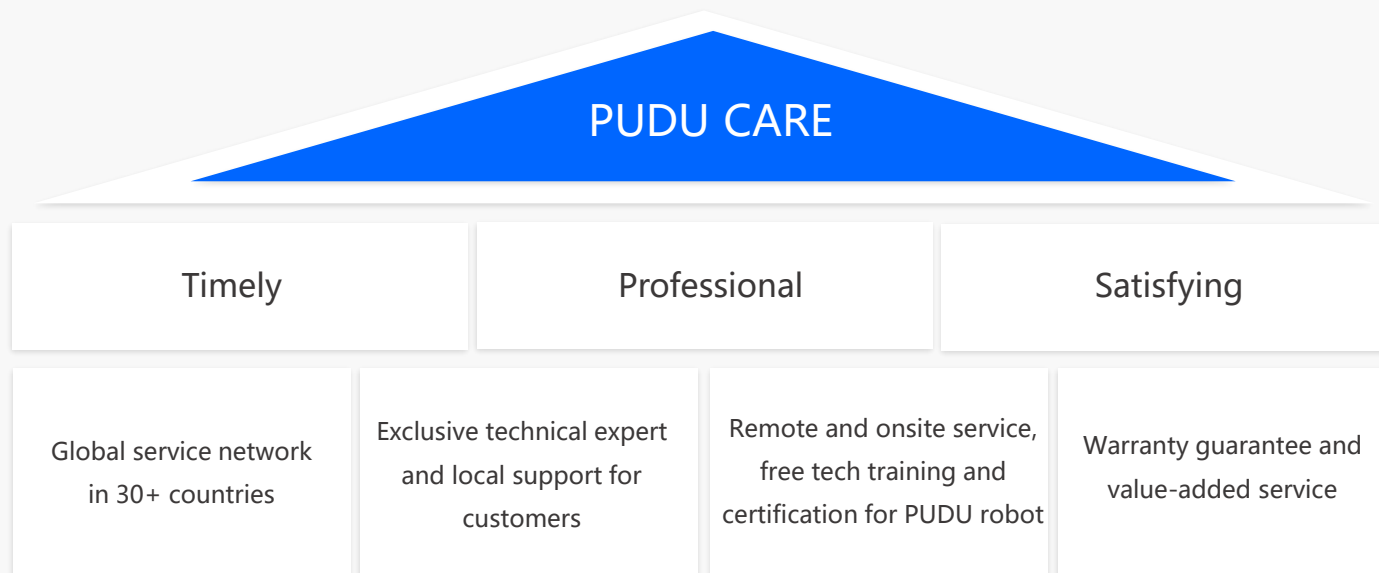
Operation Advantage

Offline Service:

- 1 Year Free Warranty

- 7 × 24 Hours Service

- Local Service & Support

PUDU CARE

Timely	Professional	Satisfying

Global service network in 30+ countries	Exclusive technical expert and local support for customers	Remote and onsite service, free tech training and certification for PUDU robot	Warranty guarantee and value-added service

Pudu Robotics has a thorough after-sales support system and humanized after-sales policy as well, whenever it is needed, we are going all out to offer service and reach your satisfaction.

PUDU

Thank you!

📞 +86 755-86952935

✉ Global_sales@pudutech.com

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