



# PUDU CC1

Clean & Clever, 4-in-1



Global Leading Robotics Company



# About PUDU CC1

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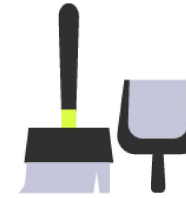


# Versatile Cleaning

multi-functional, dedicated to a better productivity

## Function Highlights:

- Sets sweeping, scrubbing, vacuuming and dust-mopping multi-function in one.
- **Four cleaning modes:**
  1. Standard Sweeping Mode
  2. Scrubbing Mode
  3. Carpet Vacuuming Mode
  4. Silent Mopping Mode



**Sweeping**



**Scrubbing**



**Vacuuming**



**Dust Mopping**



# Suit Various Floor Types

effortlessly adapts to different surfaces

## Function Highlights:



- Suitable for indoor floors with **different materials and hardness:**
- **Hard floor:** Terrazzo, marble, floor tile, epoxy resin, sandstone, artificial stone flooring, etc.
- **Soft floor:** Low-pile carpet



# Ultimate Edge Cleaning

ensure thorough coverage and leave no spot untouched



## Function Highlights:

- **Ultimate edge cleaning** in certain scenes with side brushes. It performs edge sweeping well with no trash left behind.



# Safe and Secure Operation

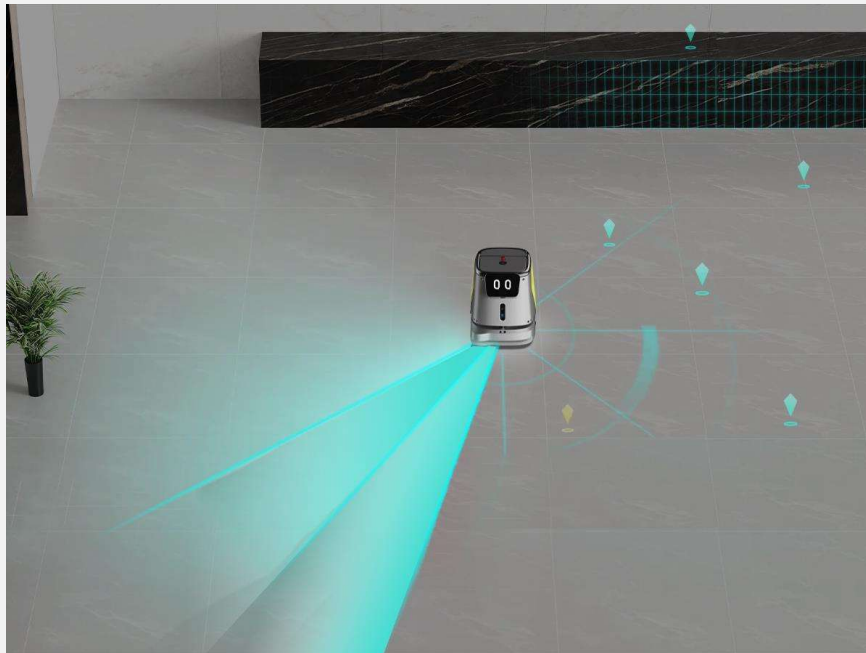
Multi-fusion sensors

Equipped with **Multi-fusion sensors**, it can stop at any angle and move away as soon as it encounters obstacles.





# Automatic Localization & Navigation



## Function Highlights:

- Based on PUDU SLAM positioning system, CC1 supports both **Visual SLAM** and **Lidar SLAM** positioning and navigation solutions to perform tasks more efficiently in complex scenarios.
- Equipped with **Multi-fusion sensors**, it can stop at any angle and move away as soon as it encounters obstacles.



# Auto Power Charging



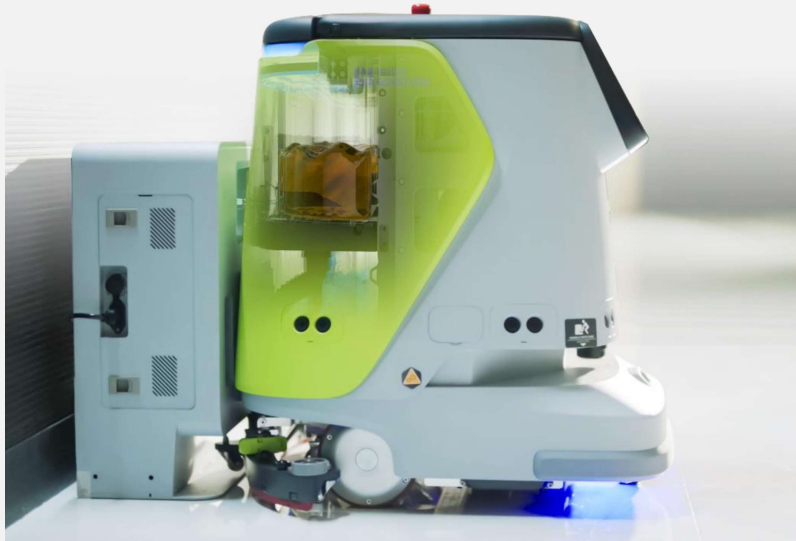
## Function Highlights:

- **The robot will automatically return to the charging station** when the power is low.



# Auto Water Refill & Discharge

## Function Highlights:



- **Large Capacity: 15L clean water tank and 15L waste water tank** with an exclusive workstation
- **Automatically refill the water and power charging** at the **docking station**
- No manual intervention, worry-free and labor-saving



# Mobile Water Tank - No Plumbing Modification

## Function Highlights:



- Fixed docking stations, combined with this mobile water tank, eliminate the need for water pipeline modifications—just plug in and use.
- The mobile water tank has a sufficient internal capacity, featuring a 30L clean water tank and a 30L wastewater tank, providing enough water for two complete cycles of the CC1.
- When the clean water runs out or the wastewater tank is full, intelligent prompts on the mobile app and the robot's homepage will alert users to manually refill the mobile water tank.



## Modular Design

Rapid Deployment, Flexible Extension, Easy Maintenance, Easy Accessibility

### Function Highlights:

One machine with multiple functions, quick disassembly of components, one click to switch

modular design of cleaning components, the module can be assembled and disassembled in **1 minute**.

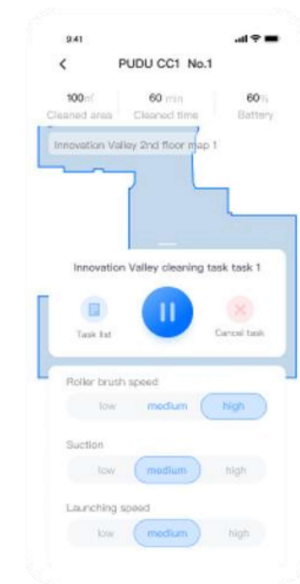
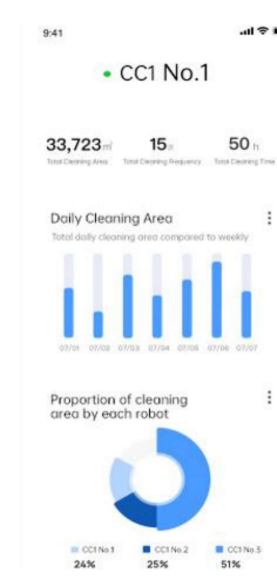
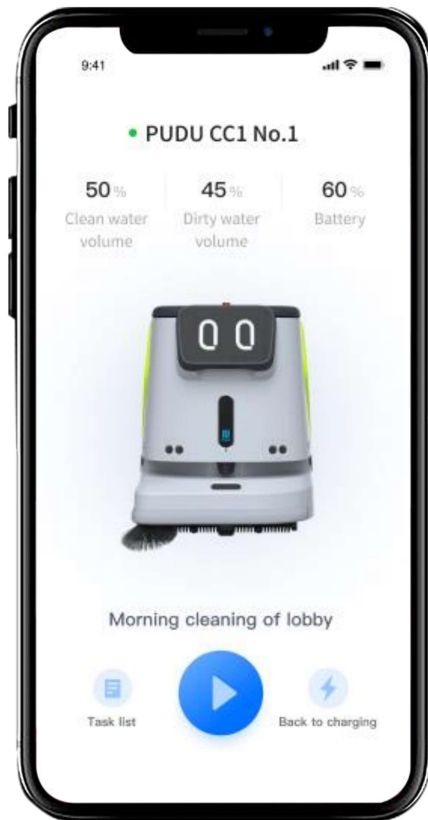
Simplify the Cleaning Process





# Robot-System Interaction

PUDU cleaning App



## Function Highlights:

- **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.

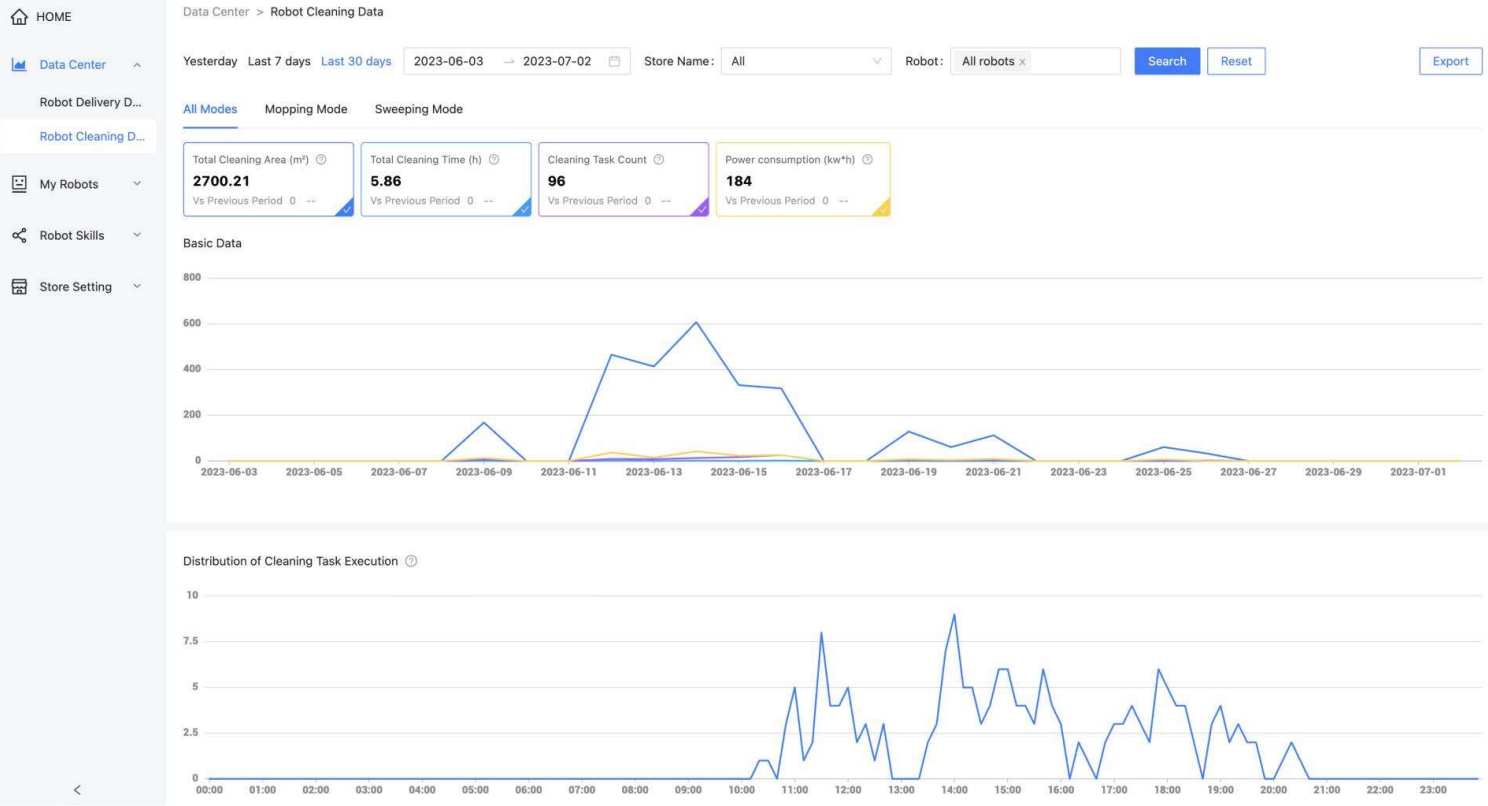


# Robot-System Interaction

PUDU Management Platform

PUDU Merchant Management Platform

Import records English chixzds\_internal



## Function Highlights:

**Digitization and visualization of cleaning effects:** collect and summarize the working status of each unit, and automatically generate cleaning reports.



# Product Overview



reddot winner 2023



<b>Machine Dimension</b>	629*552*695mm、24.76×21.73x27.36 inches
<b>Machine weight</b>	75kg、165.35pounds
<b>Cleaning Width (with side brush)</b>	500mm、19.69inches
<b>Water Tank Capacity</b>	Clean Water Tank 15L、3.96Gal Waste Water Tank 15L、3.96Gal
<b>Charging Time</b>	< 3h
<b>Run-time</b>	3-9h
<b>Cleaning Efficiency</b>	700-1000m <sup>2</sup> /h、7534.74-10763.92 ft <sup>2</sup> /h
<b>Cleaning Operating Noise</b>	< 70dB
<b>Cruise Speed</b>	0.2 - 1.2 m/s、0.66-3.94 ft/s
<b>Local Interaction</b>	10.1-inch touch screen
<b>Positioning Method</b>	Visual + Lidar Positioning



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## Product Values

### PUDU CC1

#### Intelligent Commercial Cleaning Robot

- Enhances cleaning efficiency and public image
- Improve cost effectiveness and cleaning quality
- Reallocates custodial efforts to higher-value tasks
- Provides detailed reports for a measurable clean





# Product Values



- **Simplify your cleaning processes and improve your workflow:** pre-set program enables CC1 to start operating automatically and immediately
- Stable cleaning efficiency and **higher quality of cleaning**



- **Reduce risks of workforce challenges**, such as employee absenteeism and turnover
- **Redeploy labor: Employees can focus on more complex responsibilities**, ensuring more productivity.



- **Lower** recruitment, training and management **costs:** simple operation and user-friendly interface, set up and use in hours with minimal training



- With **measurable records and reports**, custodial inspections can be easily dealt with, and work status can be optimized.



# The Cleaning Requirements from Customers

Less manual intervention, automation, and worry-free

**5:00 AM**

The robots **start the scheduled cleaning tasks automatically.**

**5:30 or 6:30 AM**

Robot 2-X: **Complete corridors cleaning** on different floors, and **send cleaning reports** to cleaning supervisor.

**1:00 PM**

Repeat the morning cleaning tasks and perform the **second cleaning task** on different floors.

**5:30 AM**

Robot 1: Completes **scrubbing the hall.**

**7:30 AM**

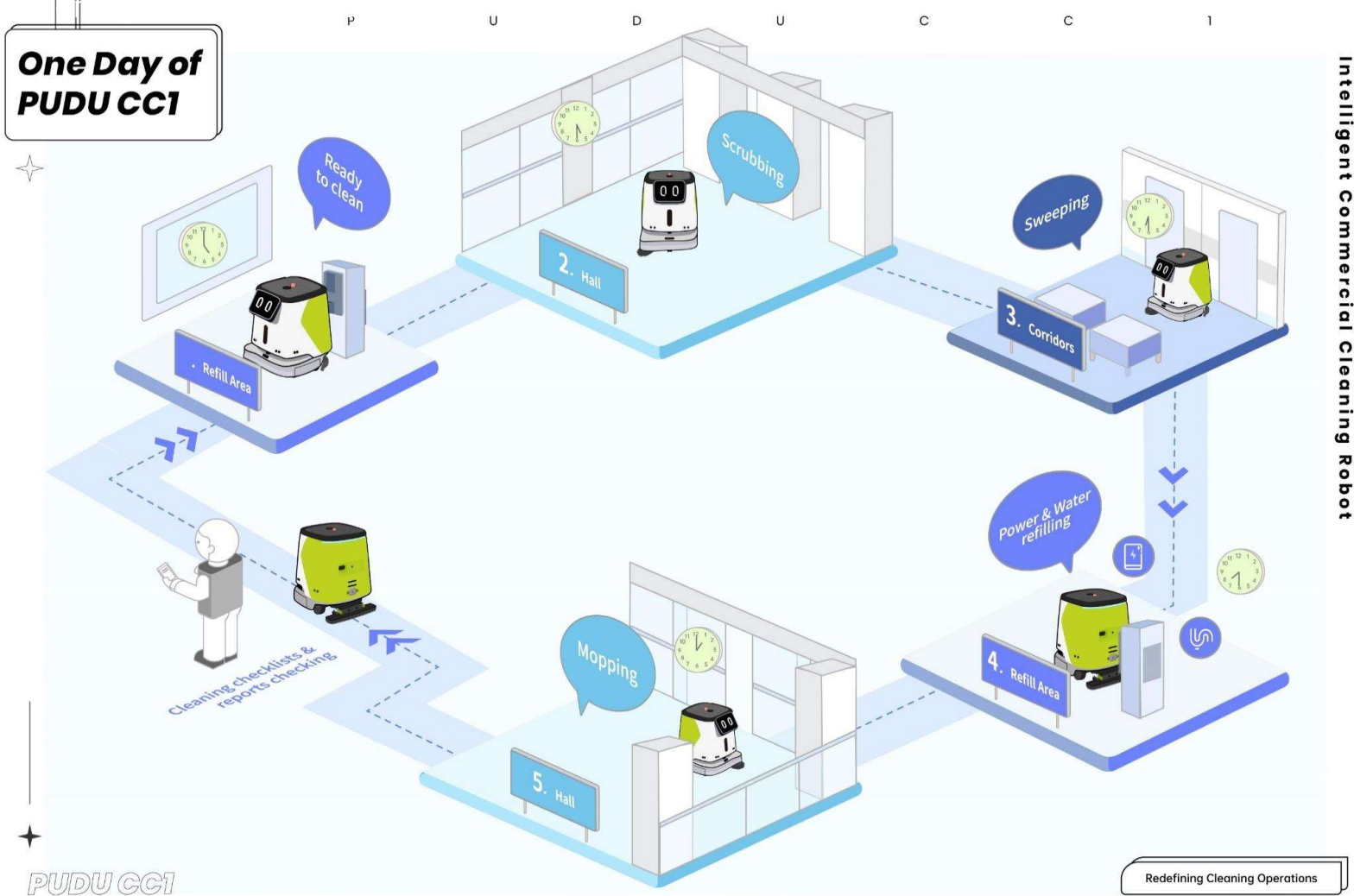
Finish morning cleaning tasks and the robots **automatically return to the workstations** for **water refilling** or **recharging.**

**7:00 PM**

Repeat the morning cleaning tasks and perform the **third cleaning task** on different floors.



# Daily Cleaning Procedure





# Usage Scenarios



Retail



Education



Hospitality



Manufacturing



Public Transportation



Health Care



Food & Beverage



Office Building



# Usage Scenarios



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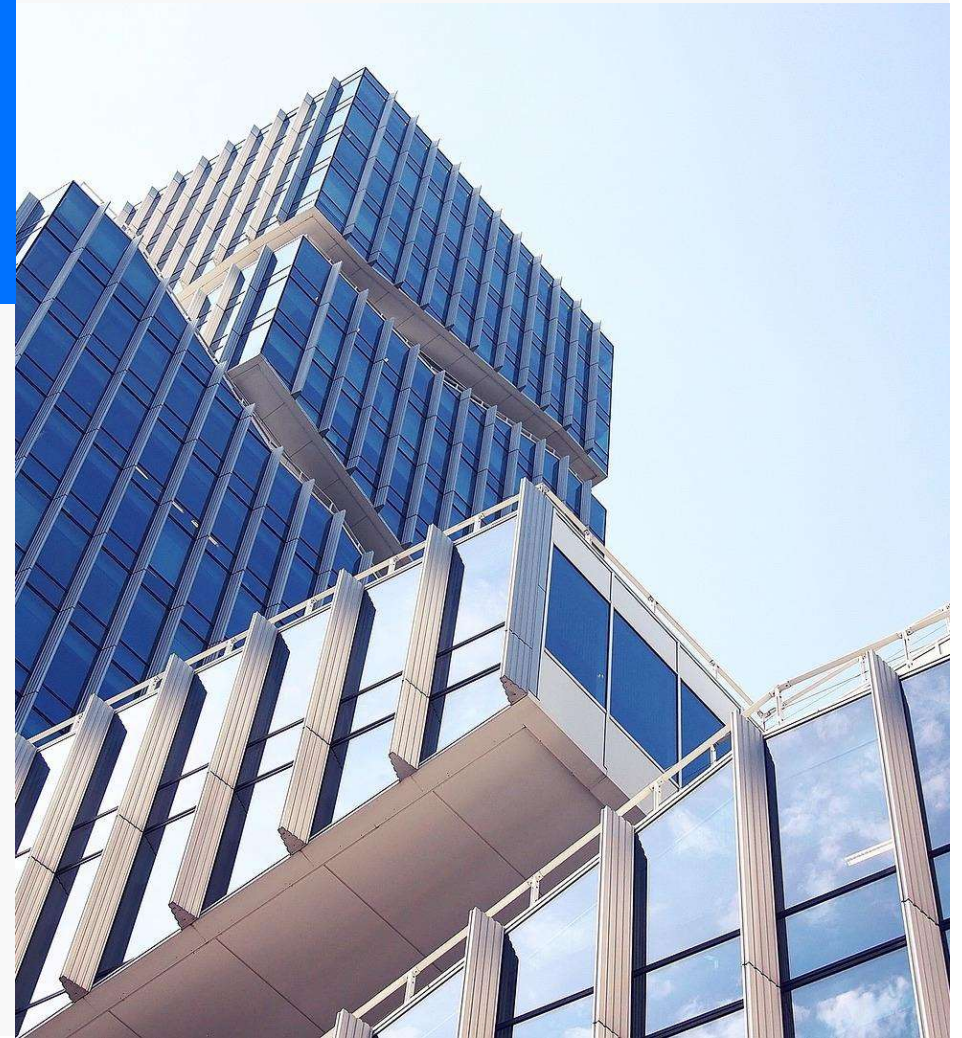
About Pudu



# Pudu Robotics

Pudu Robotics, a global leader in the service robotics sector, is dedicated to enhancing human productivity and living standards through innovative robot technology.

With a focus on R&D, manufacturing, and sales of service robots, Pudu Robotics holds nearly a thousand authorized patents worldwide, encompassing a wide range of core technologies. The company's robots have been widely adopted in various industries, including dining, retail, hospitality, healthcare, entertainment, education and manufacturing. To date, Pudu Robotics has successfully shipped over 80,000 units to a variety of markets, with a presence in more than 60 countries and regions worldwide.

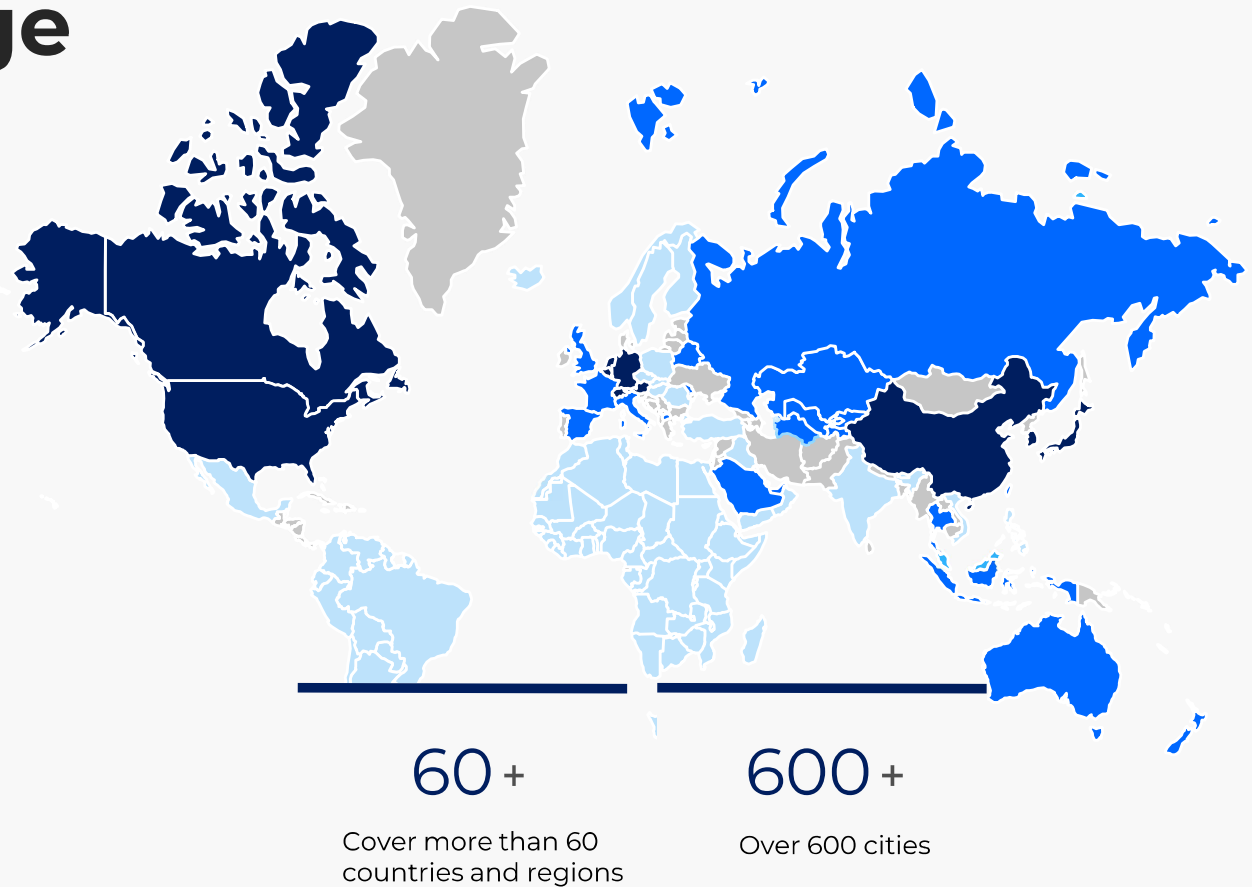




# Scale Advantage

## 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 Jan. 2024



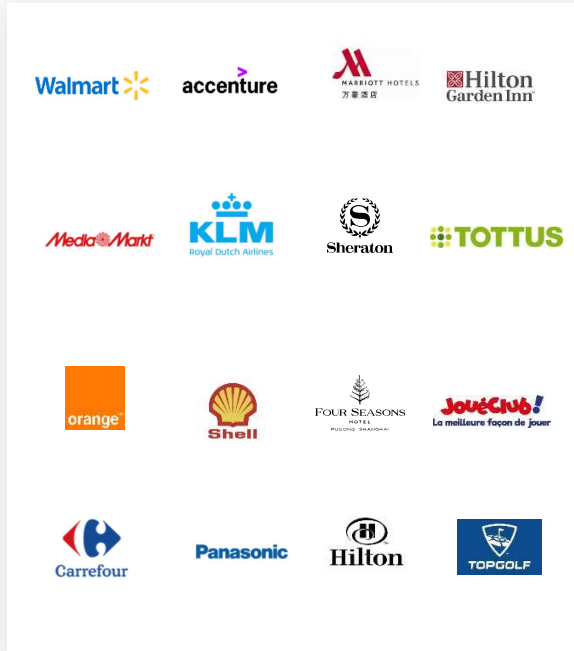


# Cooperation

30% The market share of Top 100 restaurant clients      40,000+ Deployed Store



Catering Partners



Non-Catering Partners



Software and Hardware Partners



# Media Coverage

**Robot waiter helps ease staff shortages in busy Northland restaurant**

Denise Piper • 14:32, Jun 14, 2022



Vikas Sharma, owner of Green's Thai Cuisine in Pahlia, explains how the BellaBot is used in the restaurant to take pressure off busy staff.

Wait staff run off their feet this summer due to worker shortages are getting an extra hand of the non-human kind.

A robotic waiter, BellaBot, is helping by delivering meals from the kitchen to tables, then turning dirty dishes back to the kitchen.

At Pahlia restaurant Green's Thai Cuisine, the BellaBot means wait staff can spend an average of 11 to 12 minutes longer at each table, owner Vikas Sharma said.

**MailOnline** science & tech

This added an extra strain on the already short waiting staff, according to owners Paolo Hu and Peter Wu, who said the BellaBots had already proved popular with diners.

The guide price for the friendly-faced robots is \$20,000 (£14,500), which is less than the cost of employing a waiter at minimum wage for 40 hours per week.

Quirky footage shows Bella, who features a wide-eyed feline face, sweeping across the restaurant floor dishing out delicacies to delighted customers.



**CGTN**

Could robots fill the UK's service industry staff shortages?

Published 18 Nov 2021

Robotics have been heralded as the answer to many of the world's most pressing problems, but the service industry is facing a shortage of staff that could be filled by robots.

It's long been a labor shortage in the UK, but now it's getting worse. It's not just the service industry that's facing a shortage of staff, it's also the manufacturing and construction sectors.

It's not just a shortage of staff, it's also a shortage of skills. Many of the people who are leaving the service industry are going to work in other sectors.

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**RESTAURANTS + BARS**

**Madison Heights restaurant uses a robot to deliver food to tables**

Melody Baetens  
The Detroit News

Published 12:51 p.m. ET Aug. 16, 2021 | Updated 9:28 a.m. ET Aug. 18, 2021

A Chinese noodle restaurant in Madison Heights may be the first in the area to employ the BellaBot, a robotic cart with a digital cartoon cat face that rolls food from the kitchen to the customers' tables.

Noodle Topia on John R is known for its house-made, hand-pulled noodle dishes, dumplings and Chinese tea drinks. The casual eatery has gained some non-human assistance in the form of BellaBot, which has four trays for carrying food (no arms) and has a precise



**First robot waiter in Tasmania glides into service**

On Your Afternoon with Helen Sheild

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There are definitely echoes of The Jetsons at one Japanese restaurant in Hobart! The state's first robot waiter glides from the kitchen to each table, serving meals from a tray on its back.

Harry He is a software engineer who loves new technology, and when he first came across the robot waiter online (this model is called Kuri), he saw it as a great contactless service solution for Tasmania. Harry formed Tas Robots, and suggested his friend Tony, who runs Kirakira Japanese, might like to add one to his floor staff. Press play for lunch with a side of the latest technology.

