



PUDU CC1

Clean & Clever, 4-in-1



Global Leading Robotics Company



Content

About PUDU CC1

01

Product Advantages

02

Product Values

03

About Pudu



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



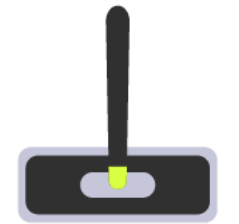
Sweeping



Scrubbing

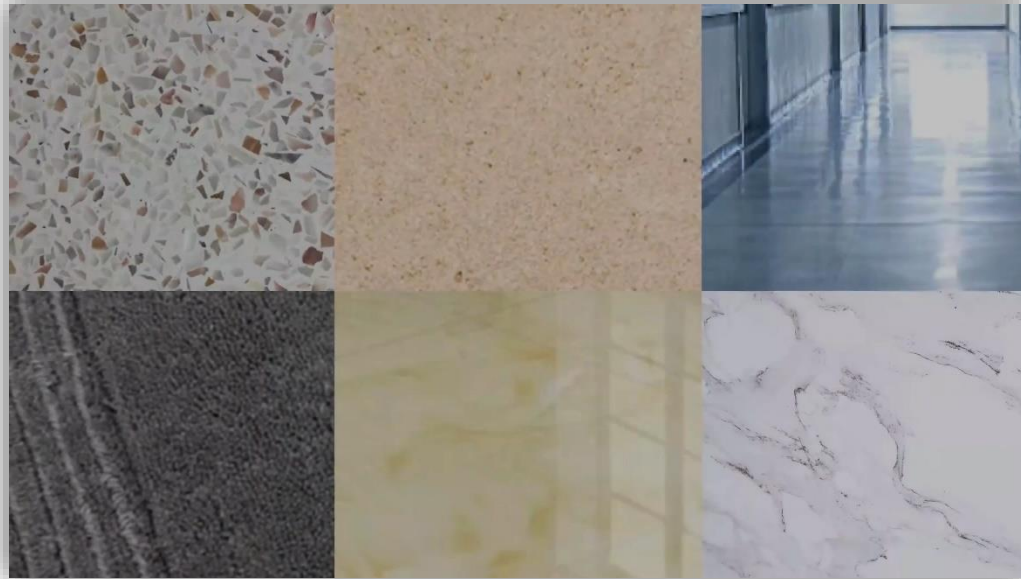


Vacuuming



Dust Mopping

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.



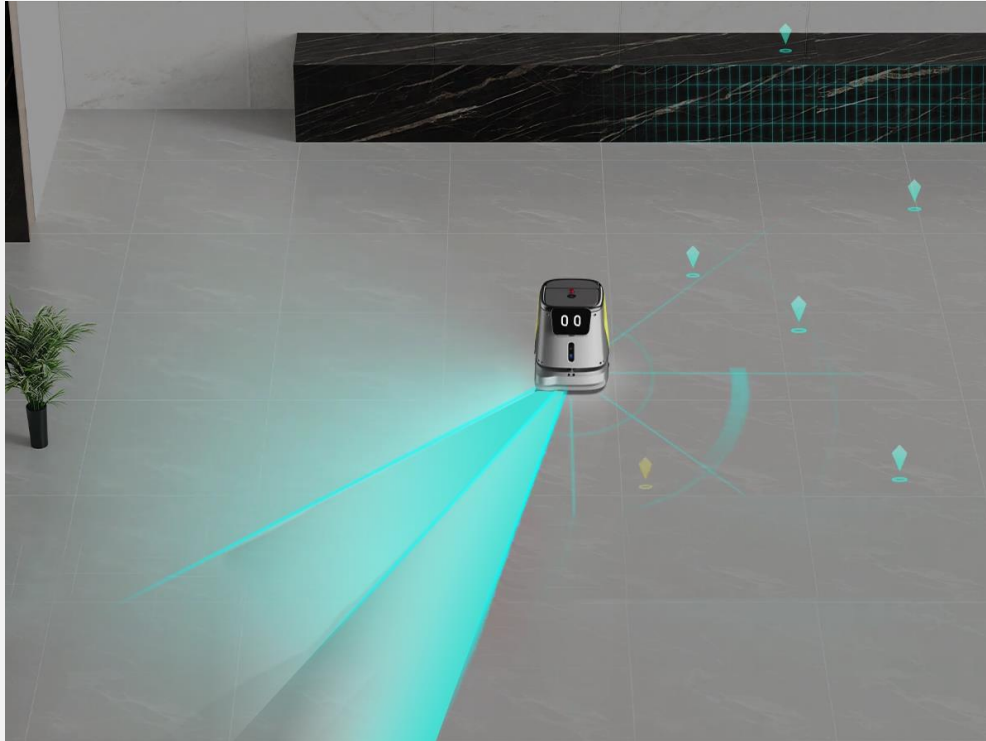
Safe and Secure Operation

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

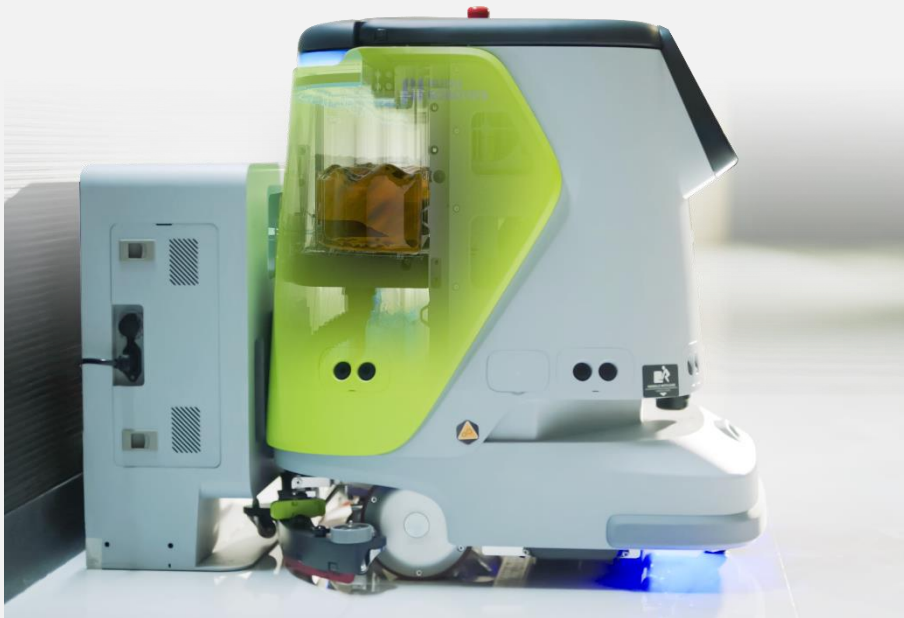


Function Highlights:

- **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**.

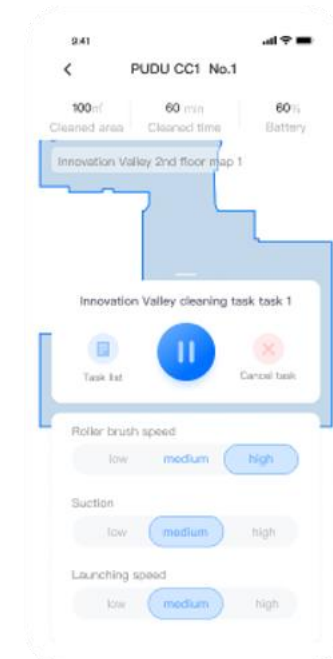
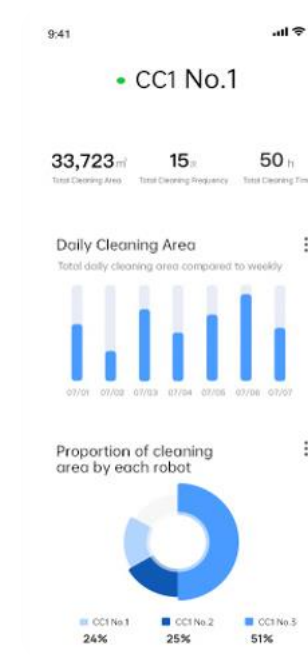
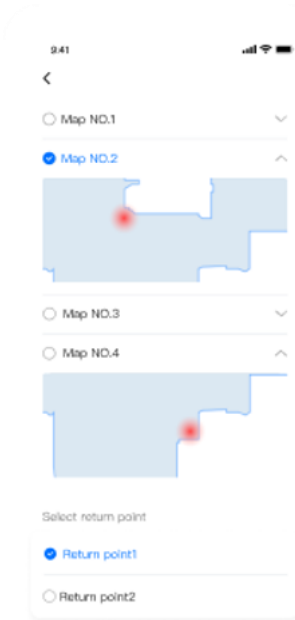
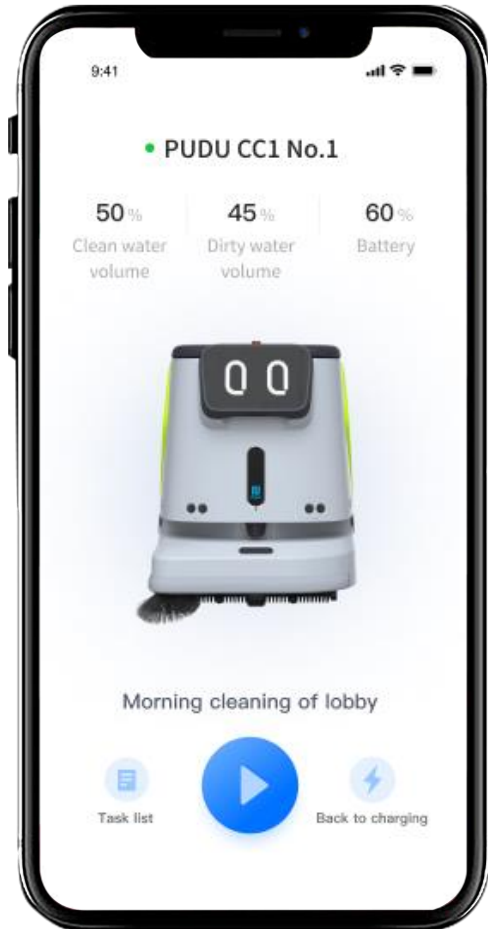
Simplify the Cleaning Process





Robot-System Interaction

PUDU cleaning App



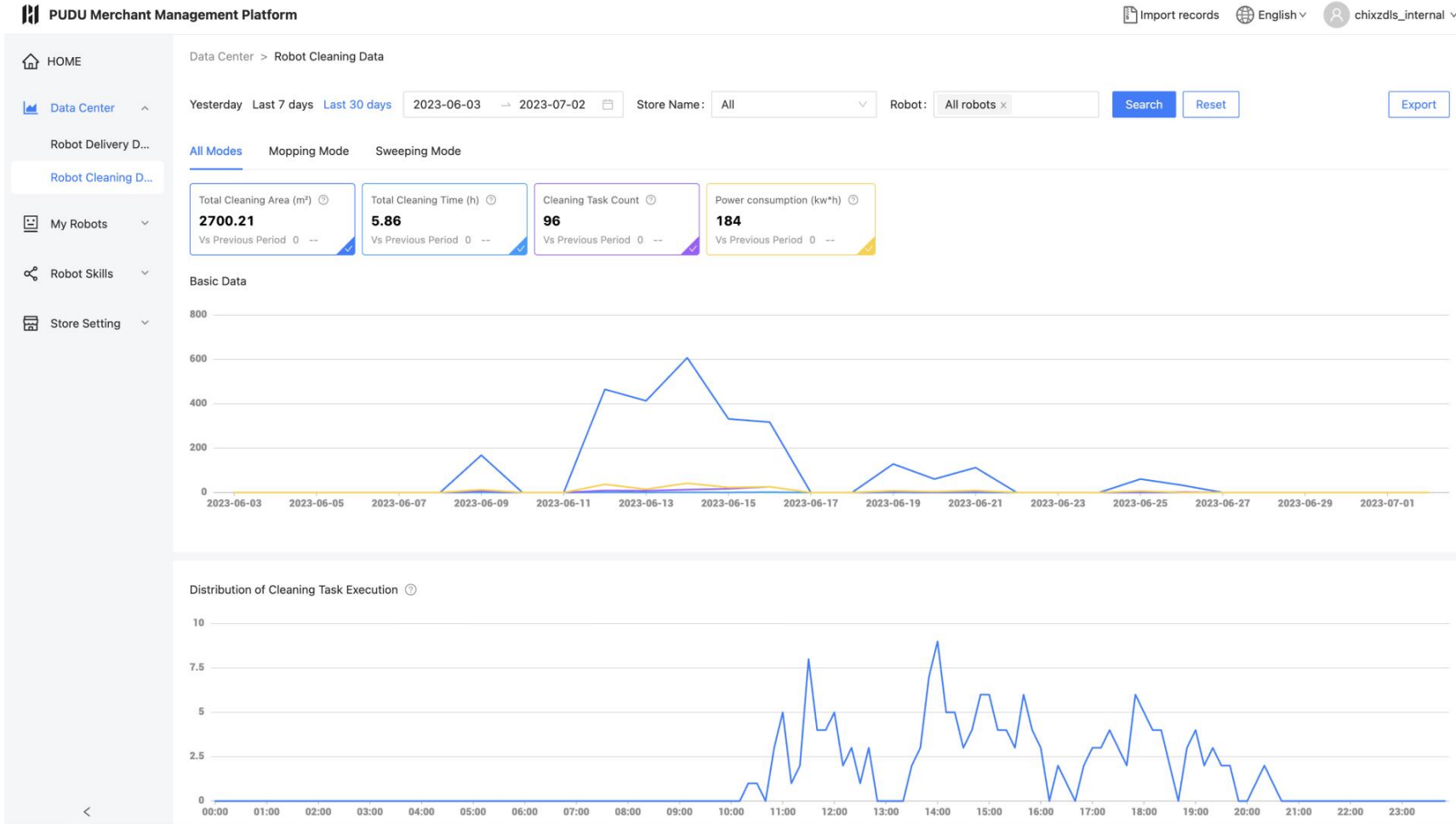
Function Highlights:

- **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



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



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



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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





- **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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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.

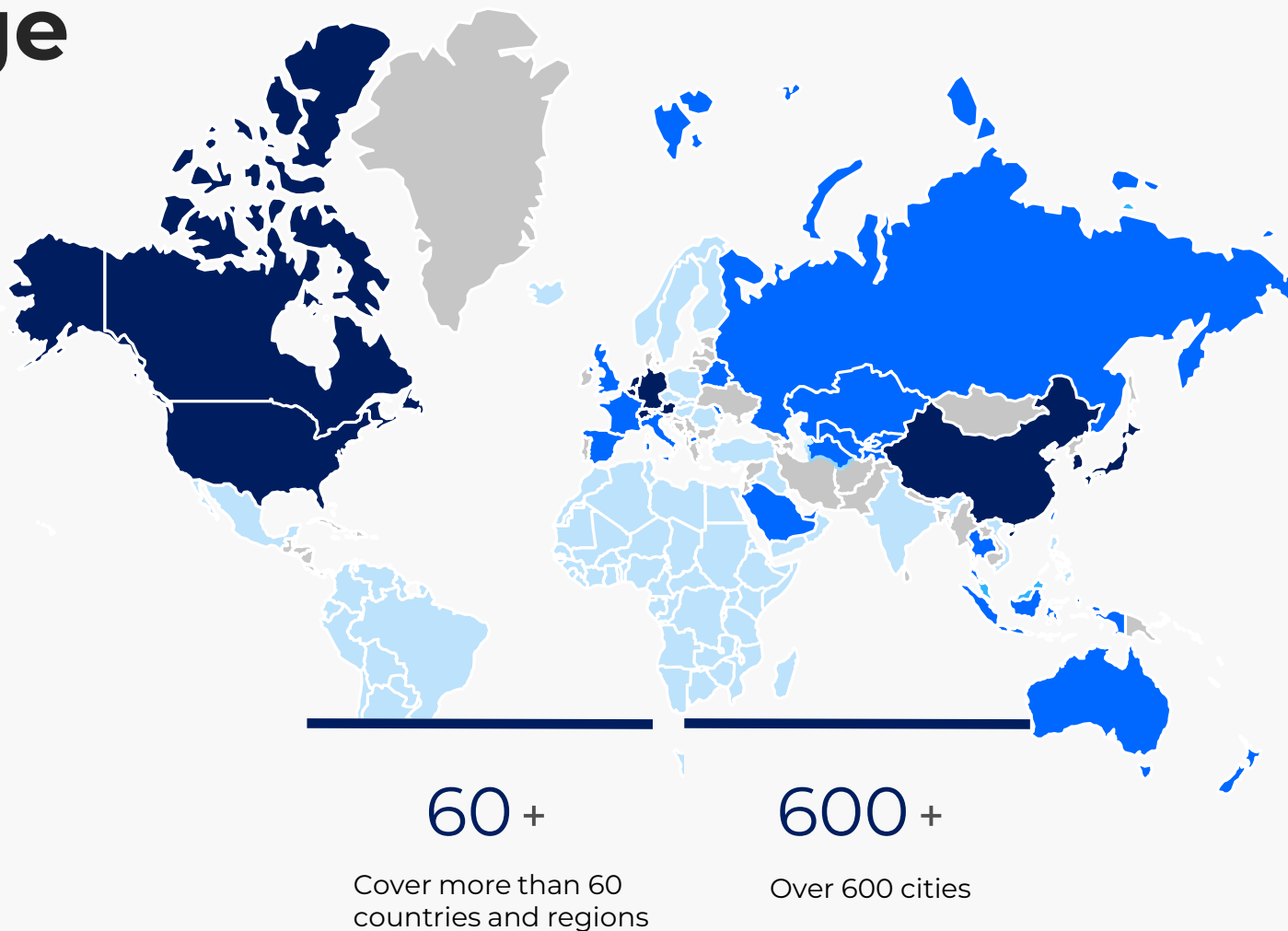




Scale Advantage

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

80%

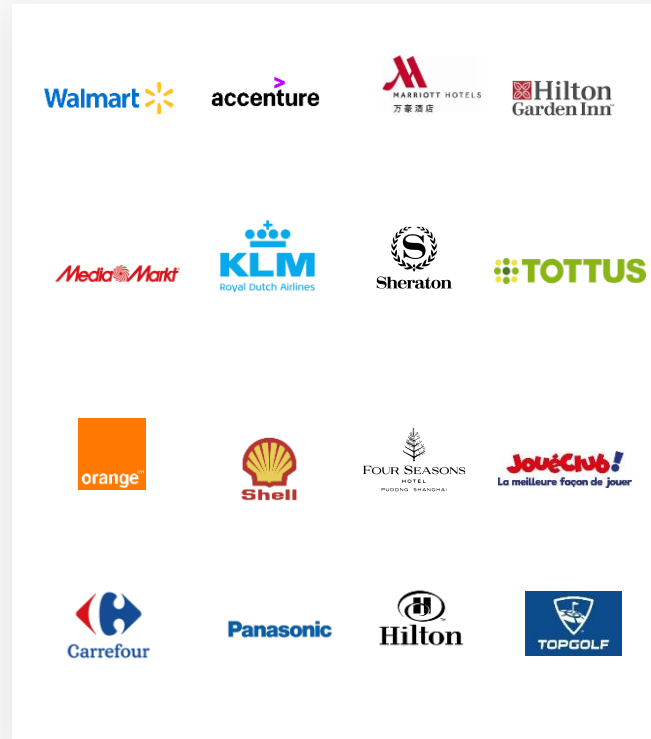
The market share of Top 100 restaurant clients

40,000+

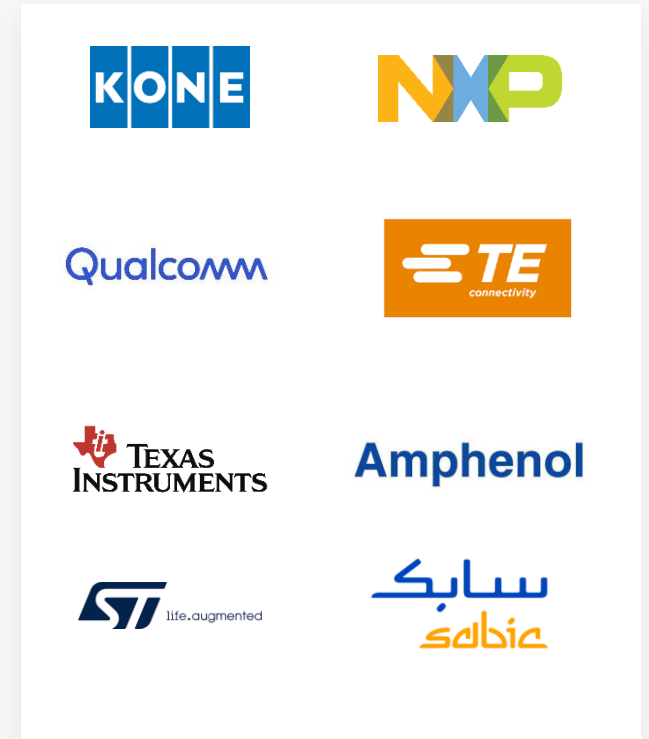
Deployed Store



Catering Partners



Non-Catering Partners



Software and Hardware Partners



Media Coverage

stuff life & style

Robot waiter helps ease staff shortages in busy Northland restaurant

Denise Piper - 14:32, Jan 14 2022



Vikas Sharma, owner of Green's Thai Cuisine in Pahiia, 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 running dirty dishes back to the kitchen.

At Pahiia 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

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

Catherine Drew in London

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.

Restaurant forced to use robot waiters to tackle staff shortages

Watch the full video



CGTN

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

Europe 02:20, 19-Nov-2021


Robotics have been widely used in a number of areas but they're also being used in the service industry to solve staff shortages in the UK. This is the case at a restaurant in London where a robot waiter is helping to serve customers. The robot is called BellaBot and it's a small, white, cat-like robot that can carry a tray and deliver it to the customer. It's being used to help solve the problem of staff shortages in the service industry. The robot is called BellaBot and it's a small, white, cat-like robot that can carry a tray and deliver it to the customer.

U.Kingdom pledges to promote study development of China-Germany ties

U.S. News World News Politics Sports

Pudu Robotics' New Afra C1 Cleaning ... CES 2022

Pudu Robotics, the global leader in commercial service robots, has enhanced its rich product portfolio with its new Afra C1 cleaning robot, which made its global debut on day one of CES 2022. The first international appearance of Afra C1 marks Pudu Robotics' official entry into the commercial cleaning robot market, as it seeks to explore applications of digital technology to hygiene and sanitation services.



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

View Comments

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



ABC

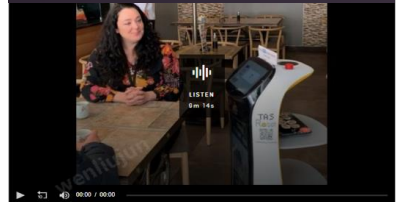


Image: ABC Radio Hobart

First robot waiter in Tasmania glides into service

On Your Afternoon with Helen Shield

Share

Download 4.23 MB

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 Kero), 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.



T H A N K S

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