PUDU

PUDU CC1

Clean & Clever, 4-in-1

Global Leading Robotics Company

About PUDU CC1

Content

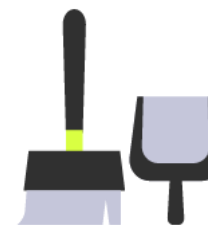# Versatile Cleaning

multi-functional, dedicated to a better productivity

PUDU

Function Highlights:

➤ **Sets sweeping, scrubbing, vacuuming and dust-mopping** multi-function in one.

➤ **Four cleaning modes:**

1. Standard Sweeping Mode
2. Scrubbing Mode
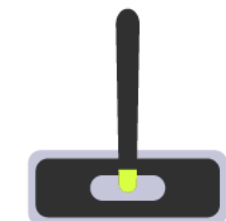3. Carpet Vacuuming Mode
4. Silent Mopping Mode
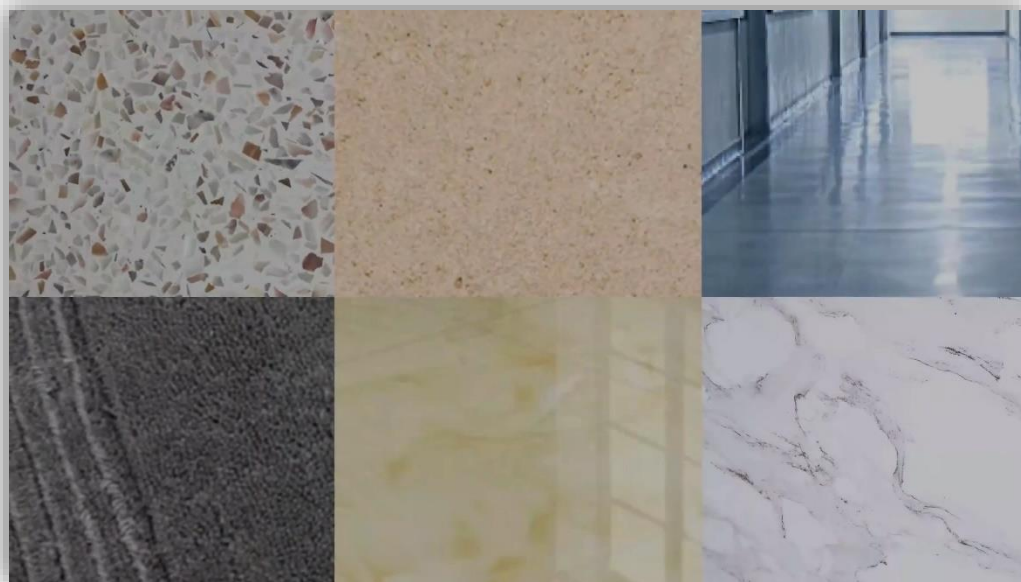
Sweeping

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

Function Highlights:

➢ **Ultimate edge cleaning** in certain scenes with side brushes. It performs edge sweeping well with no trash left behind.
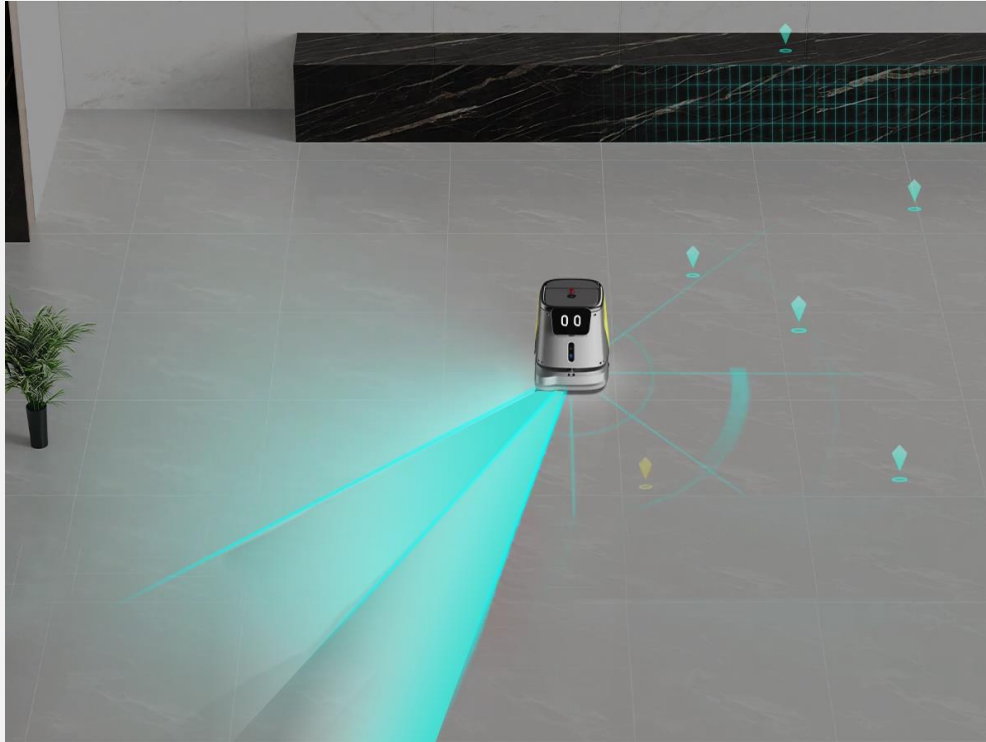
Equipped with **Multi-fusion sensors**, it can stop at any angle and move away as soon as it encounters obstacles.

Top-view Camera

RGBD

Solid-state Lidar

Ultrasonic Radar

Main Lidar

Cliff Sensor

RGBD

Bumper Sensor

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.
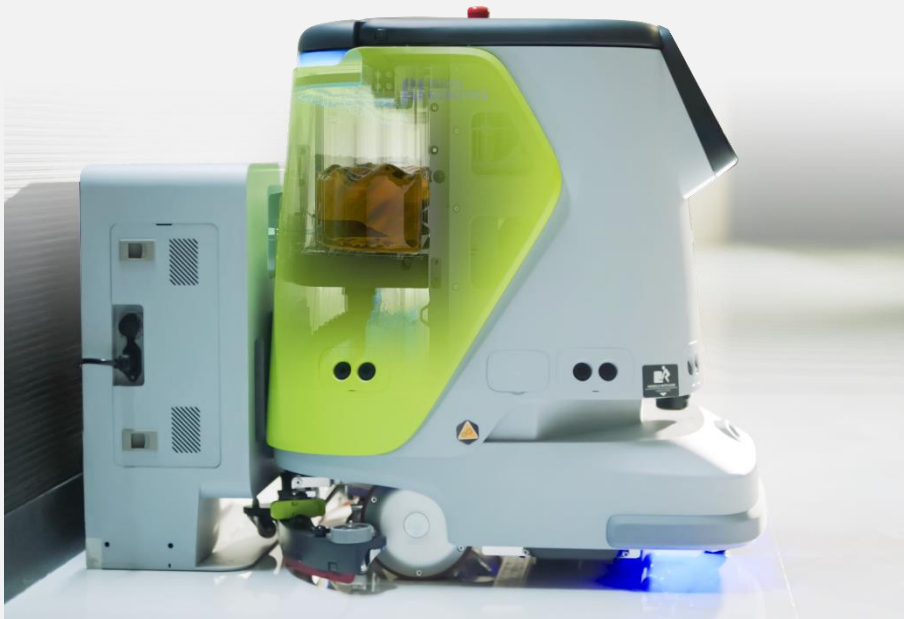
Auto Power Charging

Function Highlights:

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

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

PUDU

Function Highlights:

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

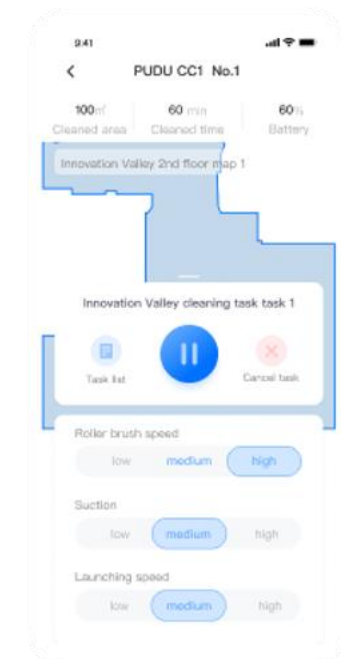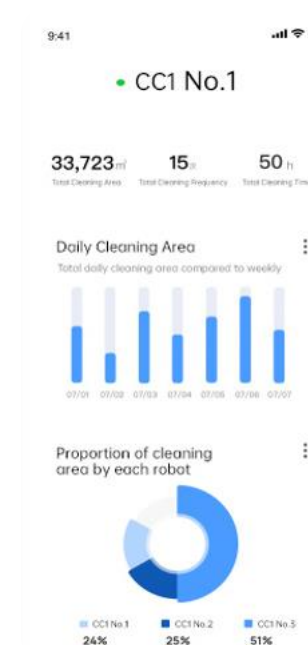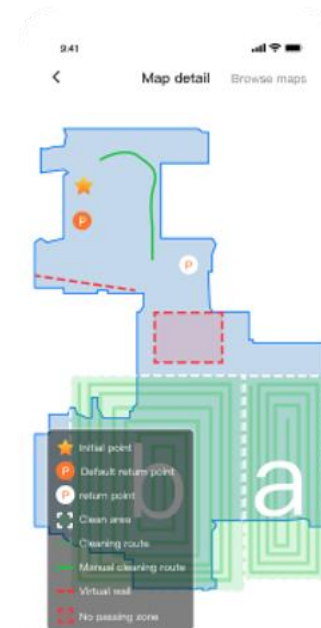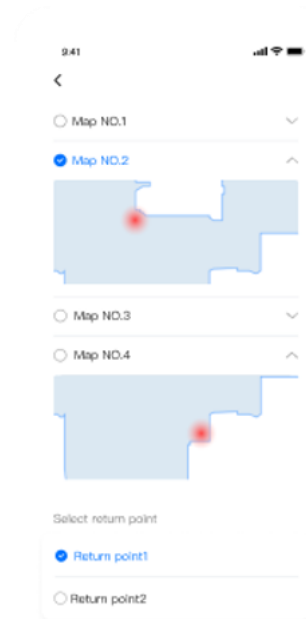modular design of cleaning components, the module can be assembled and disassembled in **1 minute**.
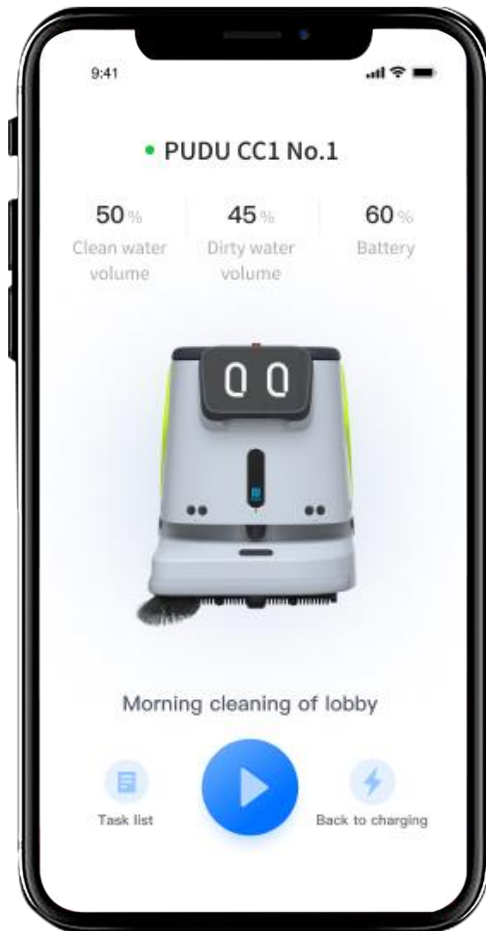
Simplify the Cleaning Process
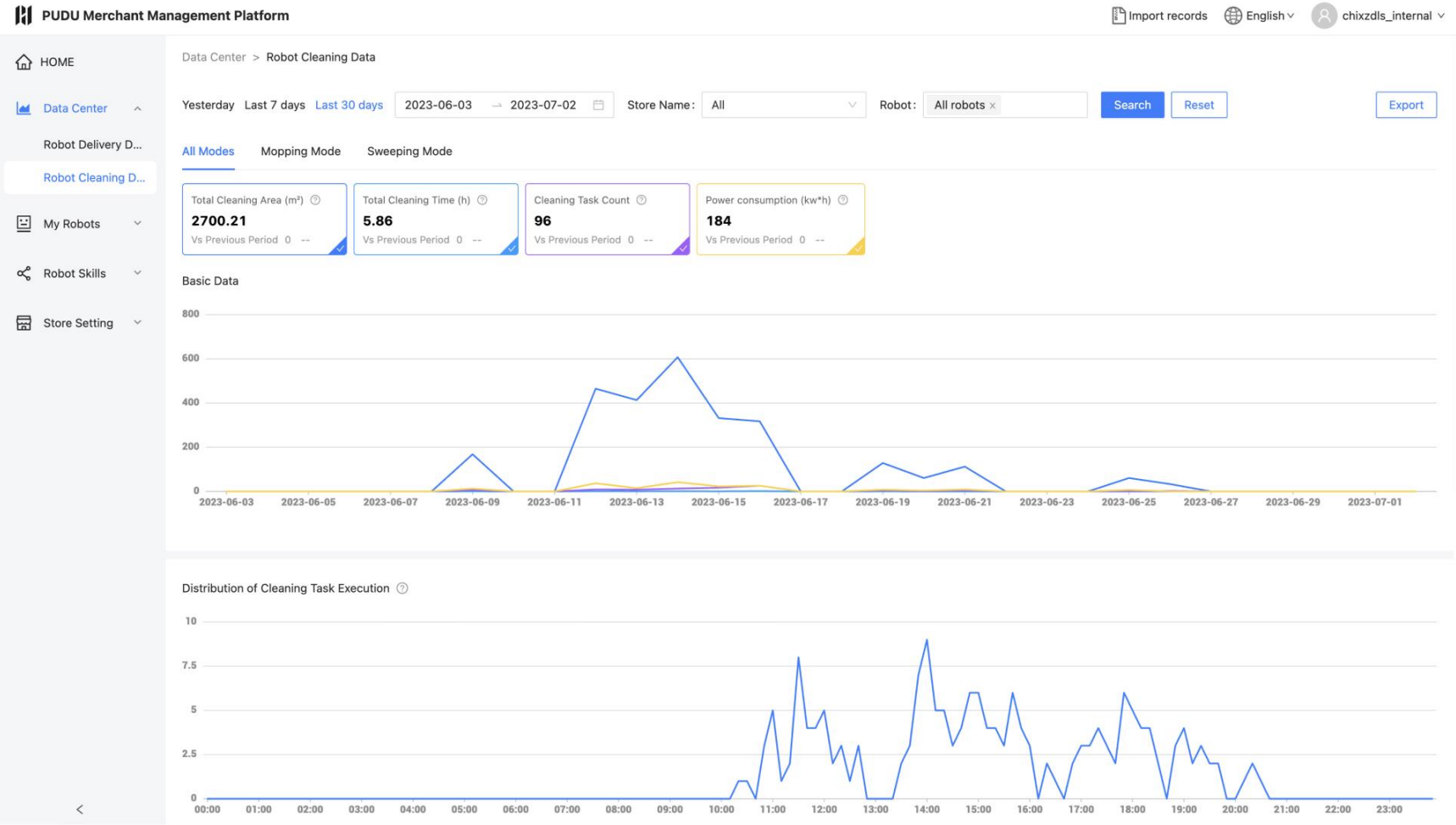
Robot-System Interaction

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.

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	700-1000m²/h、7534.74-10763.92 ft²/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

PUDU

Content

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
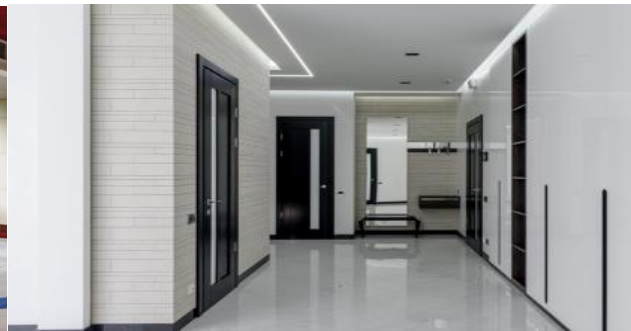
Retail

Education

Hospitality

Manufacturing

Public Transportation

Health Care

Food & Beverage
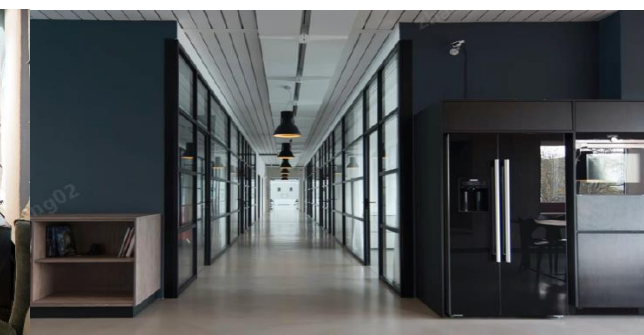
Office Building

About PUDU CC1

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 70,000 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.
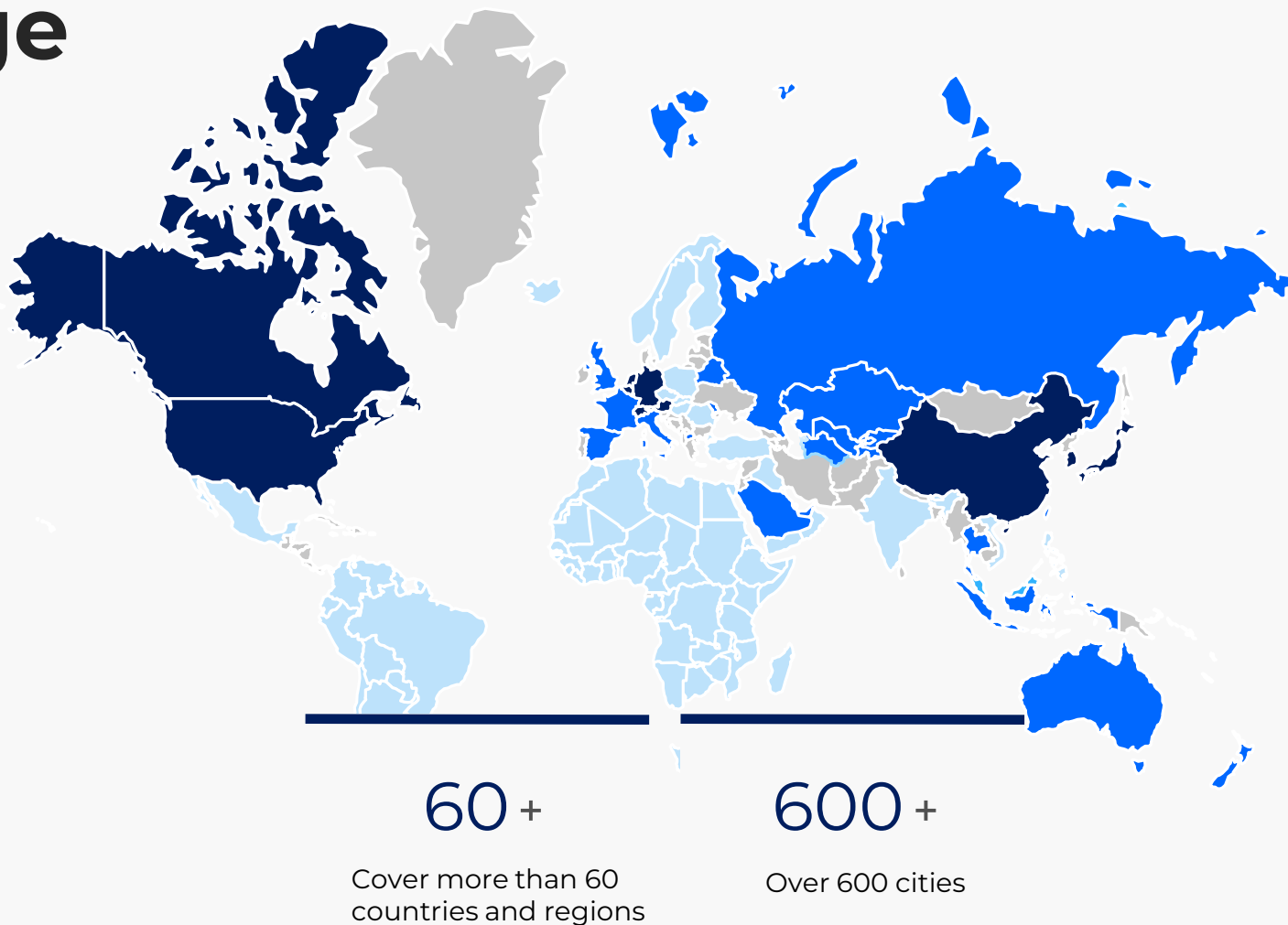
* Relevant statistics as of Jan. 2024

60+
Cover more than 60 countries and regions

600+
Over 600 cities

PUDU SH1

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
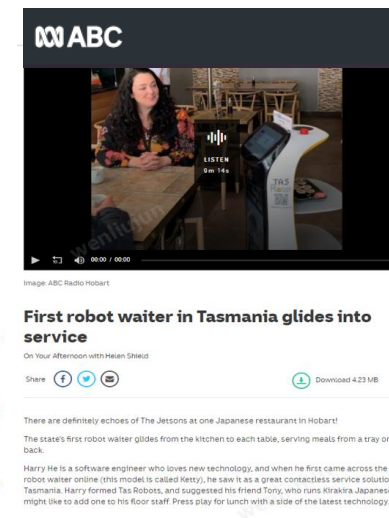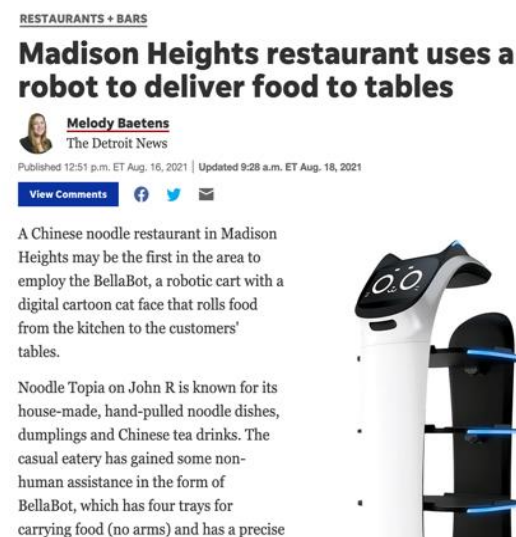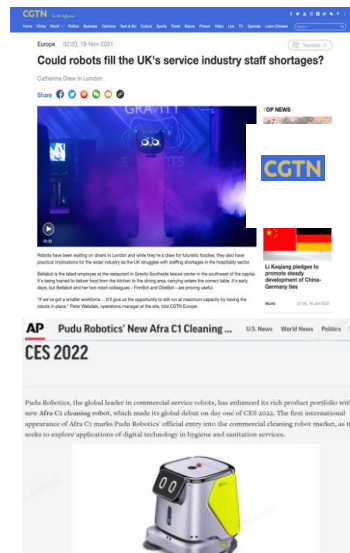
PUDU ROBOTICS

T H A N K S

Contact Us:
Email: global_sales@pudutech.com
Connect with Us:

Pudu Robotics

Shenzhen Pudu Technology Co., Ltd.

Tel.: +86-755-8695-2935(GMT+8, 9:00 to 21:00 on weekdays)
Address: 5F, Building 1A, Shenzhen International Inno Valley Phase 1, Dashi 1st Road, Nanshan District, Shenzhen, China
Website: https://www.pudurobotics.com