



PuduBot 2

Universal Delivery Robot

— Relay of classic —



Génération
ROBOTS

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Product Overview

PuduBot





Product Overview

PuduBot 2

PuduBot 2, the newly upgraded delivery robot from Pudu Robotics, inherits excellent features and functions from PuduBot.

PuduBot 2 is committed to realizing intelligent deliveries in all scenarios, promoting the application of service robots and accelerating the overall robot development with higher performance, better functional extendability, environmental adaptability and reliability in use.





Product Overview





Product Overview

Dimension	580mm*535mm*1290mm
Machine Weight	39kg
Tray Size	500mm*432mm
Single Tray Load	Maximum 13kg
Maximum Loads	40kg
Battery Life	10~24h
Charging Time	3h
Path Clearance	80cm
Cruise Speed	0.5m/s~1.2m/s
Obstacle Negotiation Height	10mm
Climbing Angle	≤5°
Positioning Method	PUDU VSLAM+ & Laser SLAM
Dispatching	Maximum 20
Charging	Wire or Automatic



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Key Features

PUDU SLAM

Fusing laser and visual positioning & navigation technology

- Support Laser SLAM, PUDU VSLAM+, or Fusion (Laser & VSLAM+)
- Position and navigate with ease in complex and dynamic environment
- Enhanced positioning, perception and route planning efficiency

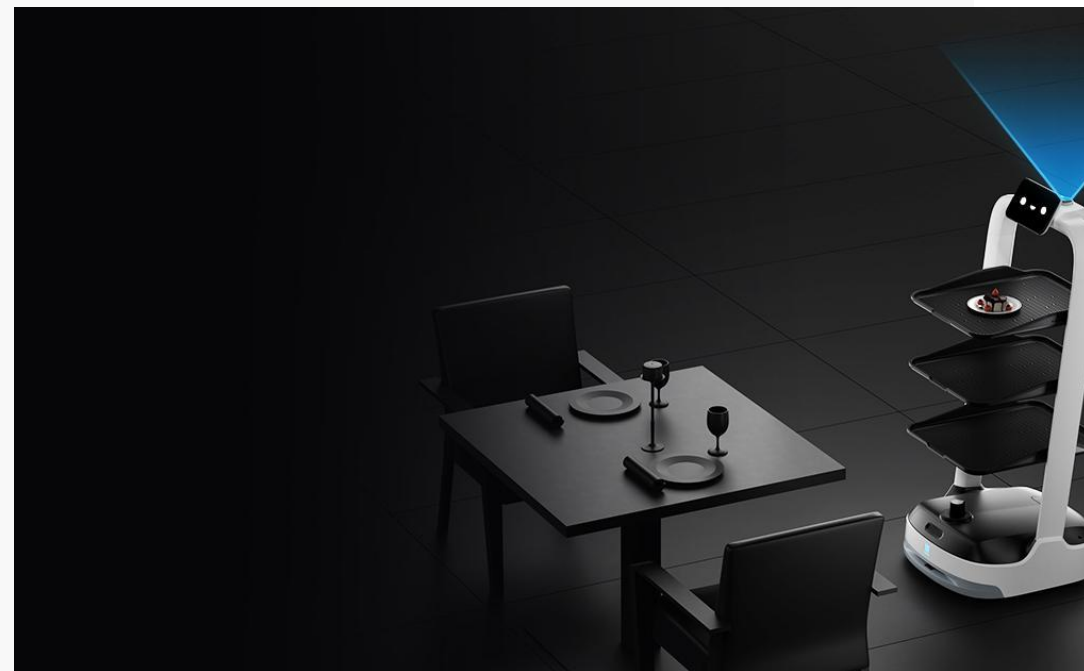


Key Features

PUDU VSLAM+

New generation of PUDU VSLAM technology

- Marker-less deployment, reducing **75%** deployment time
- Comfortable operation even in high ceiling environment up to **30** meters
- Extra large scene mapping for up to **40,000m²**
- Improved stability with fewer changes of the positioning reference
- Greater adaptability of different scenarios under different light conditions



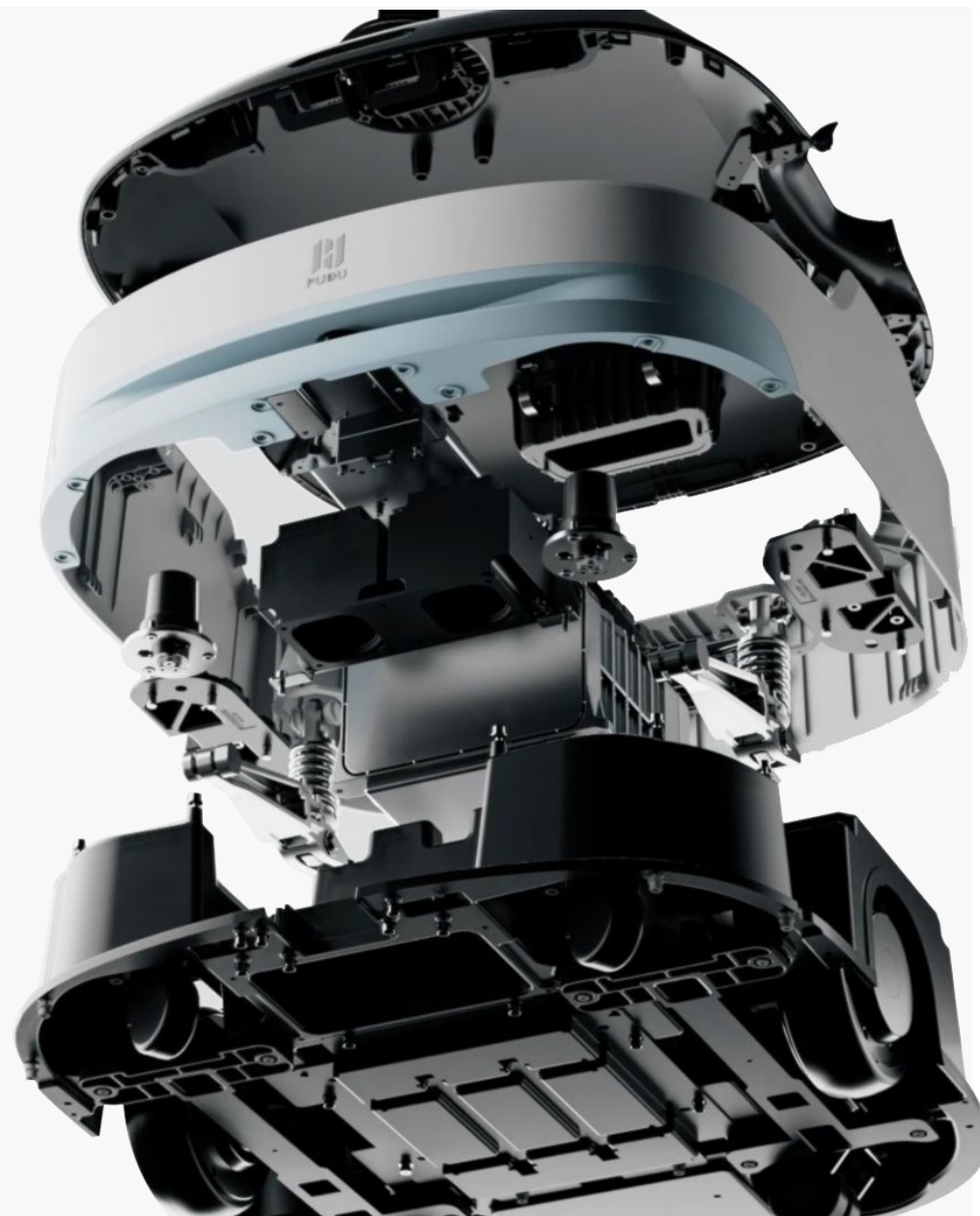


Key Features

Industry-leading Chassis System Better Stability, Better Performance

- Highly integrated chassis with newly upgraded vertical linkage suspension system
- Significantly improved obstacle-crossing capability
- Adapt to different road surfaces, **30%** improvement in moving stability
- Smooth mobility even with bumpy roads

*Source: PUDU Lab





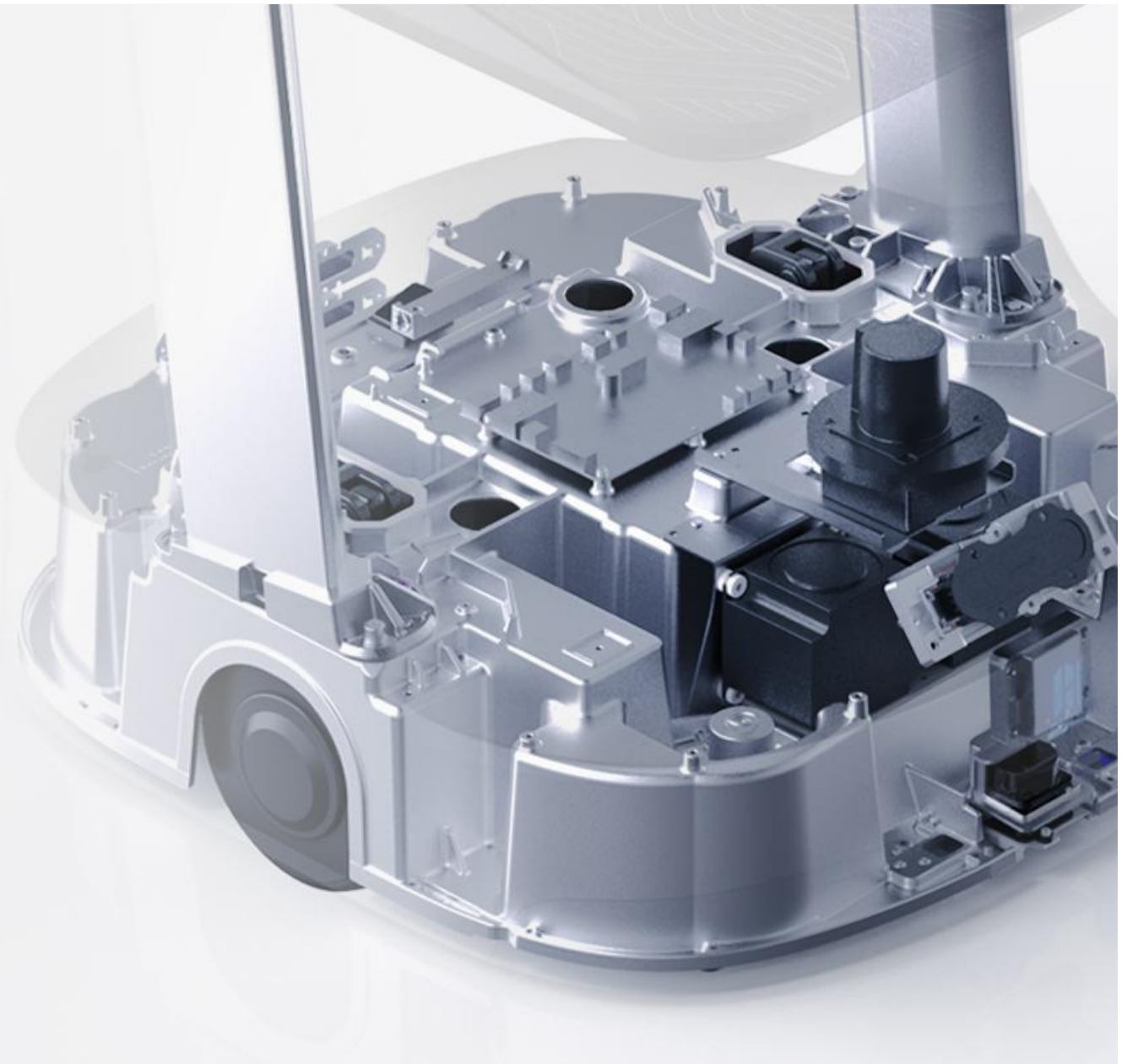
Key Features

PUDU-developed Servo In-wheel Motor

Cost Reducing, Efficiency Boosting

- 33% increasement in load capacity
- 16% improvement in energy utilization
- Excel in both performance and energy saving

*Source: PUDU Lab





Key Features

Dual Lidar, Precise Perception More Reliable, More Secure

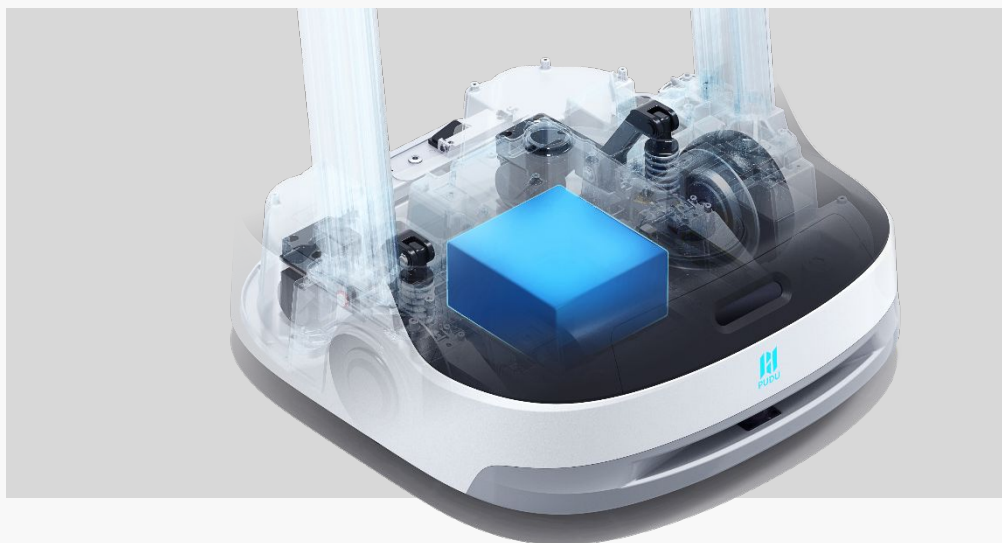
- Dual-Lidar system provides PuduBot 2 the ability of 360 degree sensing, with environmental features in full view
- The upper lidar is responsible for distance detection, with an effective obstacle avoidance capability within **0.8m** (at a load of 40kg and 1.2m/s travel speed)
- The lower lidar is responsible for ground detection with the shortest detectable height of **8cm**





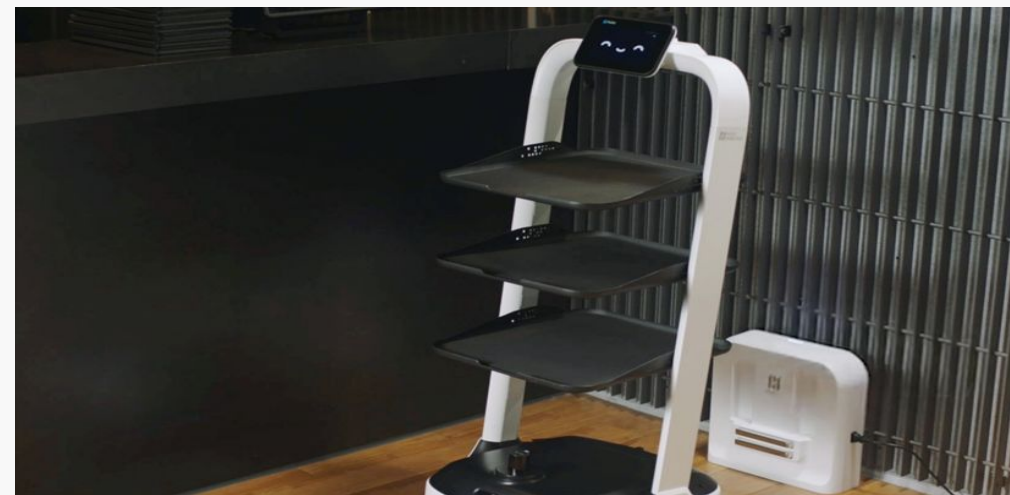
Key Features

High Performance LFP Battery



- Extended battery duration
- Operates up to 24h on a 3 hour charge
- 6X longer battery lifetime
- Enhanced safety and reliability

Automatic Charging



- Co-charging pile with other Pudu products
- Automatic recharge at set time or when battery level is lower than set threshold



Key Features

Multi-Modal Delivery

- One robot serves for multiple purposes

Multi-Table Delivery

- Serve several tables at one go



Food Delivery Mode



Delivery Mode



Cruise Mode



Direct Mode



Dish Return Mode



Birthday Mode

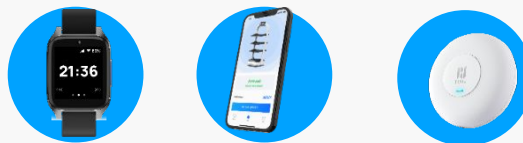
Meet the diversified delivery needs



Key Features

Calling and Notification

Autonomous and flexible, anytime and anywhere



Calling Robot

- Support PUDU Pager, PUDU Watch & PUDU Link
- Assign and manage tasks simply with one click



VIP Room Notification

- Notify the guests on robot arrival
- Enable more efficient delivery service for private rooms



Key Features

Automated Pass-through

Safely and automatically pass through E-gates or Electric glass doors





Key Features

Fully Enclosed Machine Design



Machine Slit
 $\leq 1\text{mm}$



Effectively resist
dust and water



IP42 rated



Key Features

Multi-Robot Collaboration

- Powerful self-organized network
- Dispatch up to **20** robots in one environment
- Realtime environmental perception
- Automatically detour for traffic congestion
- Adapt to complex and dynamic scenarios
- Allow painless collaboration among robots





Key Features

Various Forms, Versatile Accessories





Key Features

24 X 7 Management and Analysis

PUDU Merchant Management Platform

HOME

Data Center

Data report

My Robots

Robot Skills

Store Setting

Account Mana...

Data report

yesterday Last 7 days Last 30 days 2022-04-01 → 2022-07-12 All stores

cruise data Attract customer data Interactive data Ad data Grid data

Running Mileage 10.9 Last Cycle 0 ▲ 0%	Runtime 14.31 Last Cycle 0 ▲ 0%	Interactive Visits 453 Last Cycle 0 ▲ 0%
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Store Name	Product Name	Machine MAC	Running Mileage
PuduBot 2 Amy	kettybot	08:E9:F6:09:CF:E6	10.9

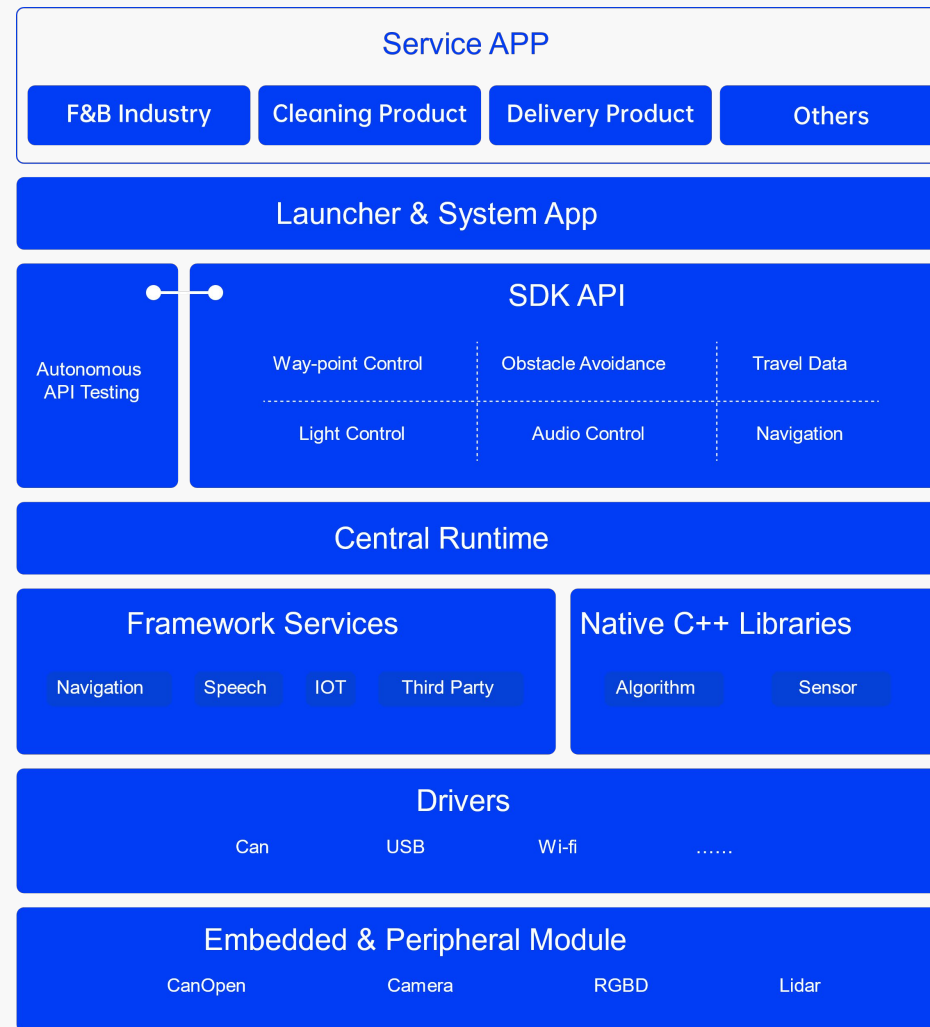


Key Features

PUDU OS

All-inclusive Platform, Endless Capabilities

- PUDU self-developed integrated robot operating system platform based on various PUDU product with a powerful cloud platform
- PUDU self-developed security system with high credibility
- Open SDK API, support 3rd party integration and development



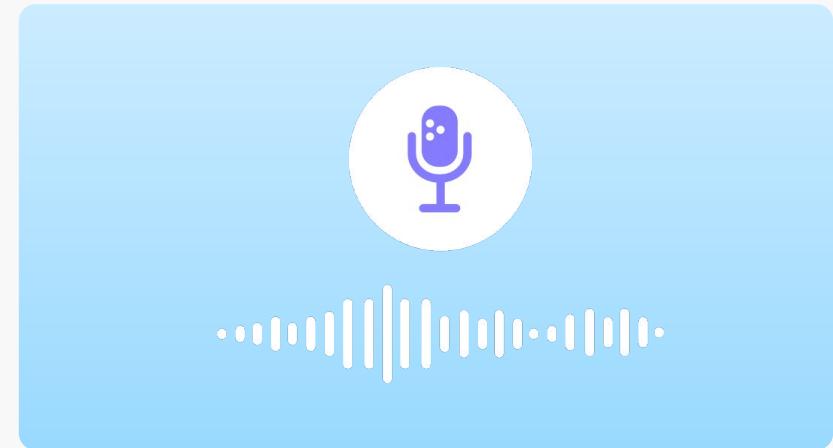
Key Features

Customization Services



Customized Sticker

- Create your exclusive PuduBot 2 for greater brand exposure
- Make your robot unique and eye-catching



Customized Voice Pack

- Online upgrade and real-time sync.

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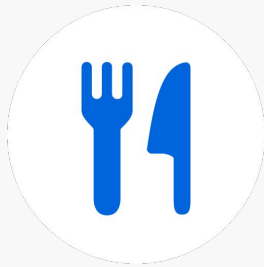
04

About Pudu

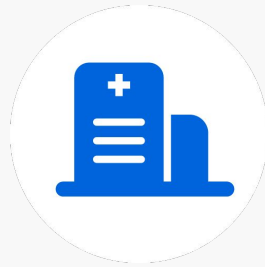


Product Values

Multi-Industry, Multi-Scenario Coverage



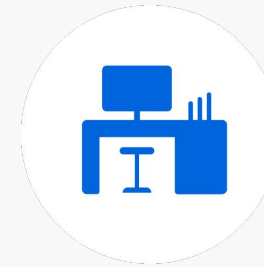
Restaurant & Café



Hospital & Clinic



Hotel & Resort



Office



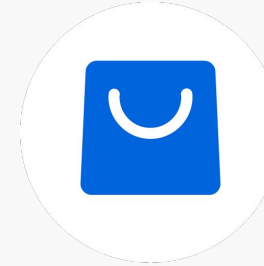
Senior Living



Manufacture



Entertainment & Leisure



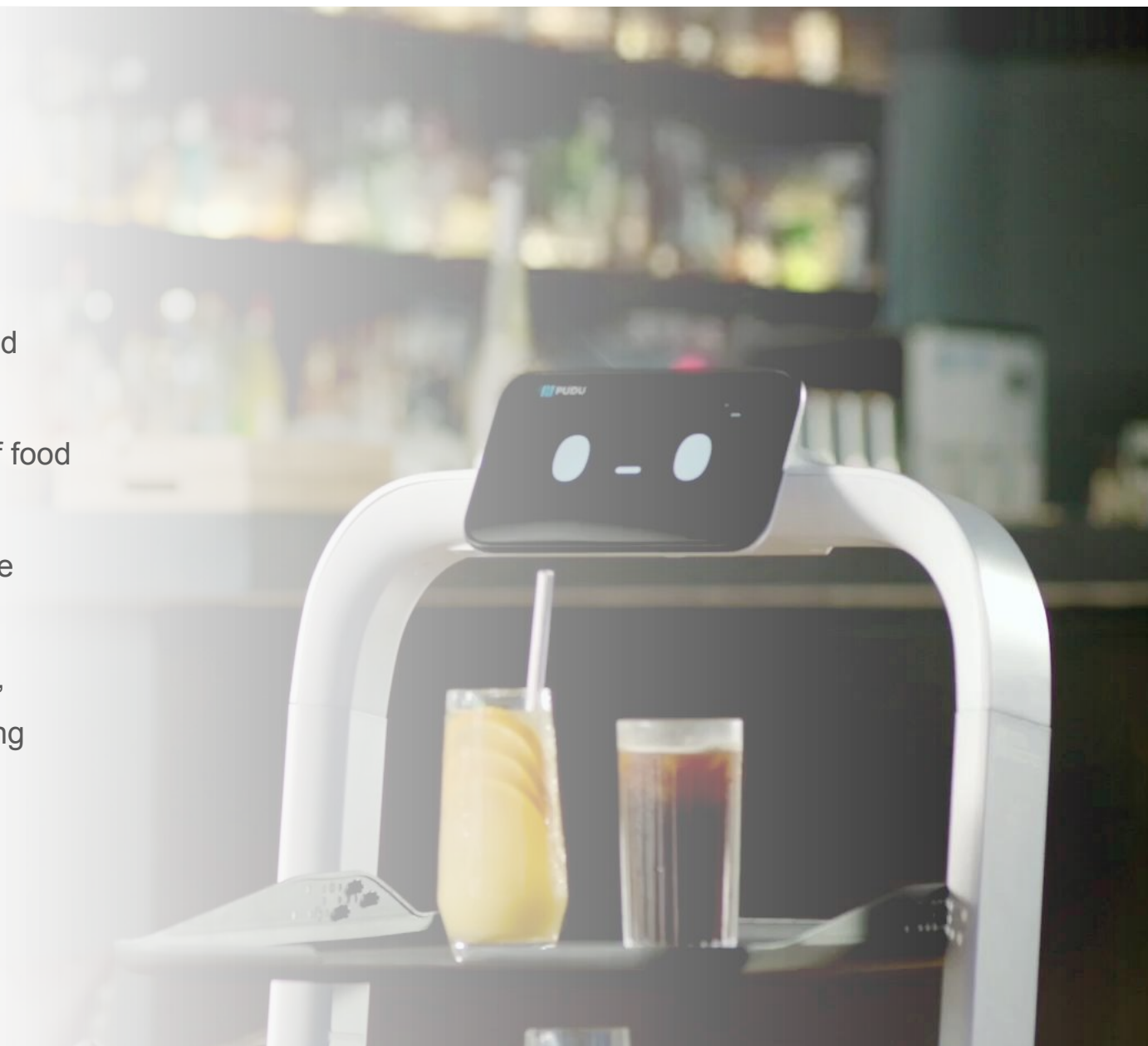
Retail



Product Values

Contact-free Delivery

The COVID-19 profoundly changes our way of life and production and lots of restaurants have offered contact-free delivery to guarantee the safe transfer of food nowadays. PuduBot 2 supports pager function and receives remote operation commands. In different use scenarios PuduBot 2 can receive demands from the pagers and collects the dishes or items automatically, reducing contagion risk between people while boosting delivery efficiency.

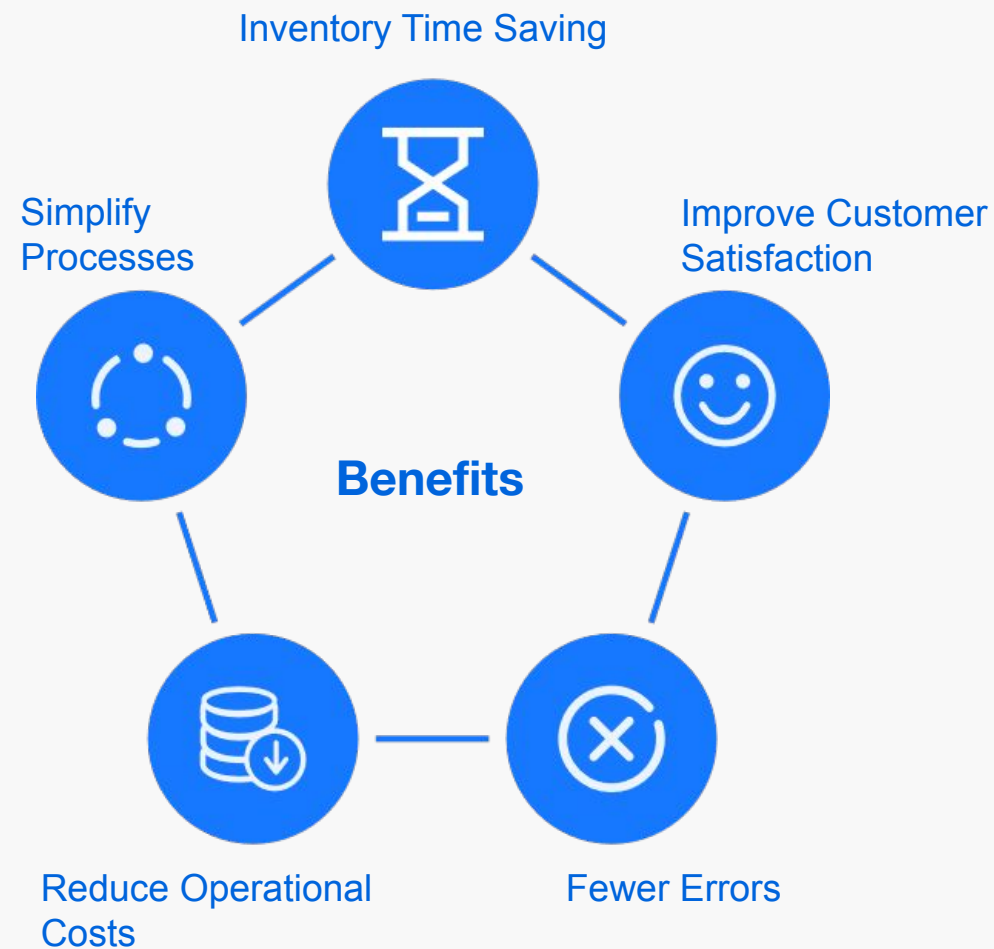


Product Values

Keep up with Trend of Restaurant Automation

Restaurant Automation is the use of automated or robotic technology to complete tasks throughout the restaurant and facility in order to simplify ordering, meals preparing, food delivery and bill payment.

Embedded in strong foundations and in-depth understanding of catering industry, PuduBot 2 possesses the significant features to streamline the food delivery services. And the powerful multi-robot dispatch system distinctly cuts down on the human labor required to stay up and table running.



Product Values

Mitigate Labor Shortage

The pandemic has been hugely devastating to the labor market and fundamentally altered the industries and locations where would-be employees want to work. Employers are struggling in looking for and retaining qualified staffs.

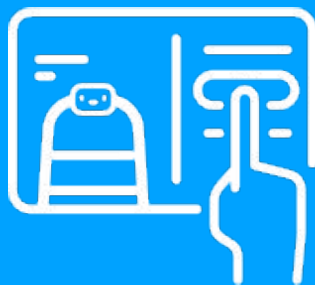
Deploying robots to replace the 4-D jobs (Dull, Duplicate, Dirty and Dangerous) is trendy and will become ubiquitous in future. With the help of robots, employees may focus more on the high-value work and have a better work environment, which results in better work experience and satisfaction.



Product Values

Revolutionize Customer Experience

Commercial robots are being successfully integrated into different hospitality organizations or retail stores to improve customer experience.



Streamlining underlying processes



Reducing friction to create the sense of seamless and delight



Boosting customer experience by re-allocating more humans into front-facing roles



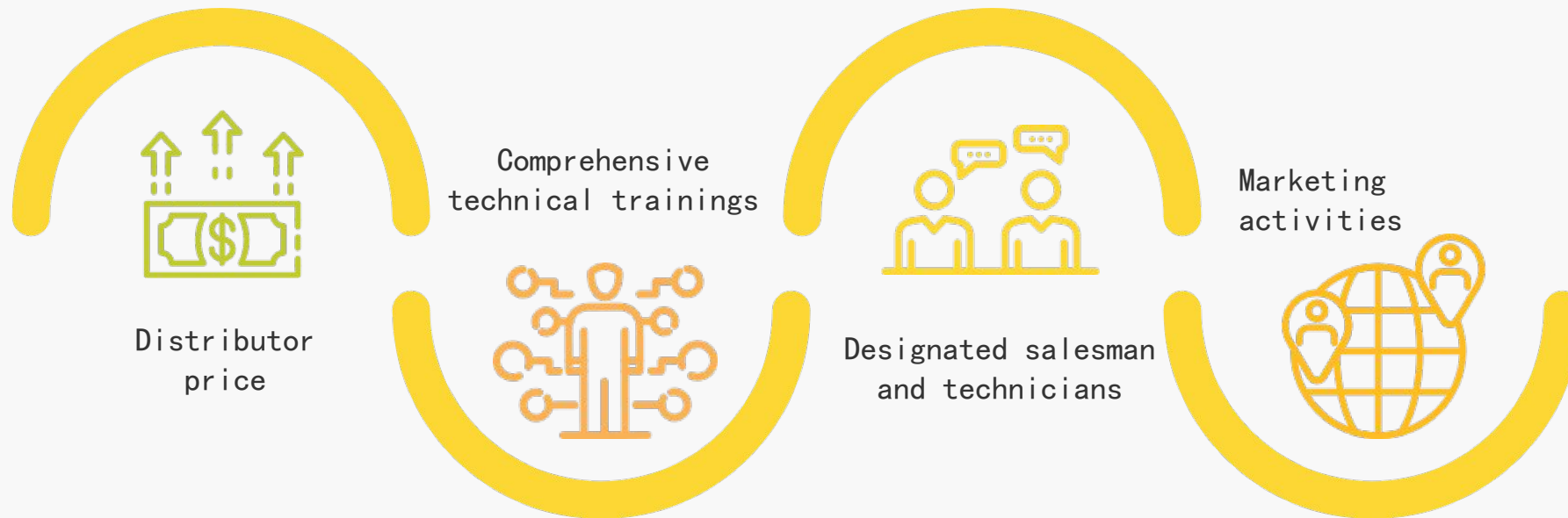
Enhancing customer journey by providing innovative experience



Your Reliable Business Partner

Build the future together

Solid partnerships starts with a shared commitment to providing superior value to you, we will support you as followed:



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Milestone

Founded in Jan 2016



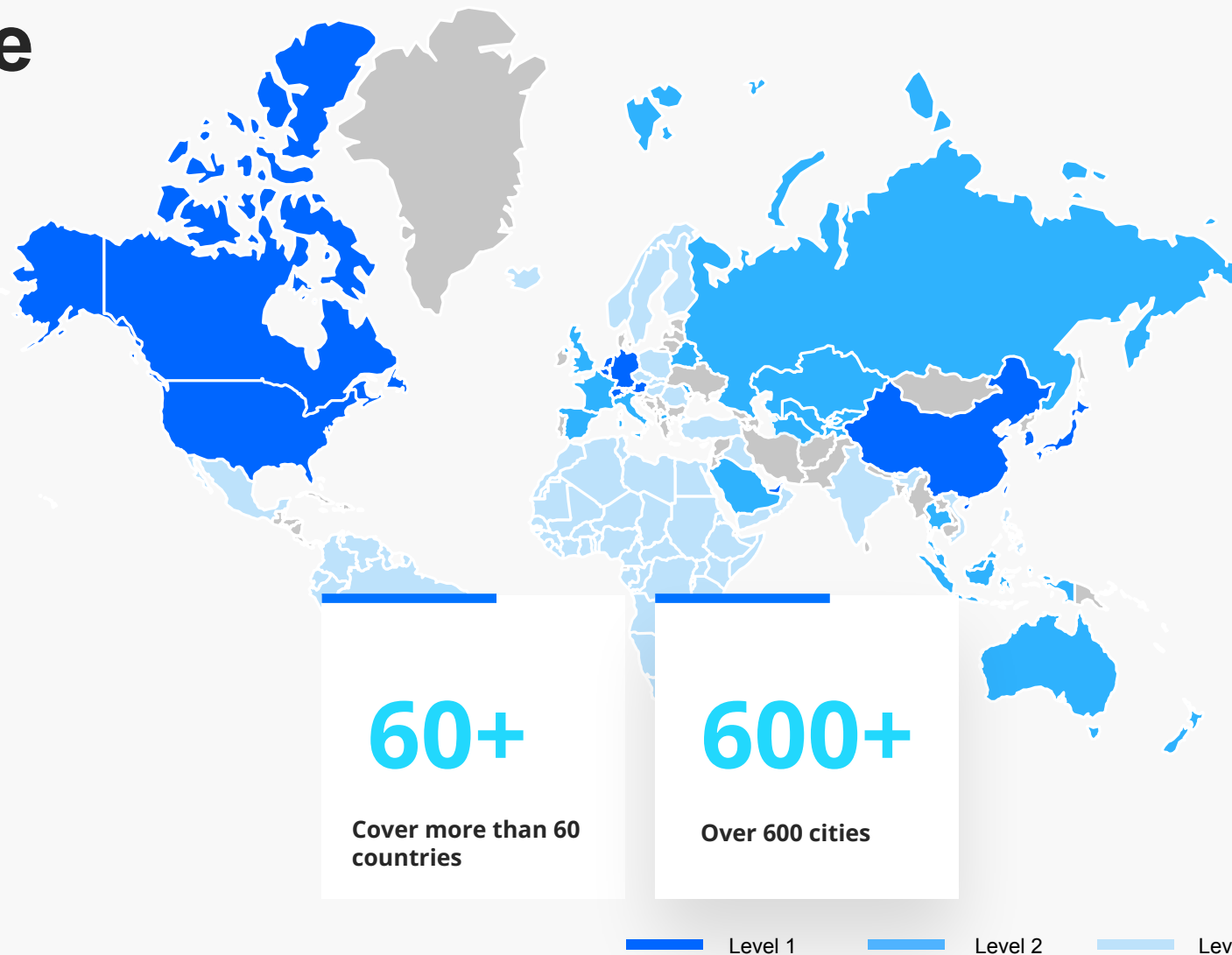
* Relevant statistics as of May 2023



Scale Advantage

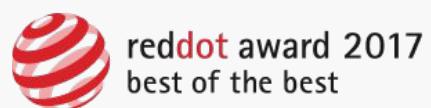
Globalization

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 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.



Honor

Pudu Robotics has been recognized by organizations and institutions in various industries.





Global Certification

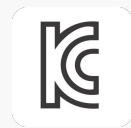
The full range of Pudu Robotics robots have the following certifications worldwide



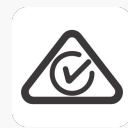
CE



FCC



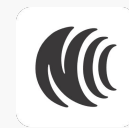
KC



RCM



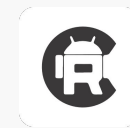
IMDA



NCC



TELEC



CR



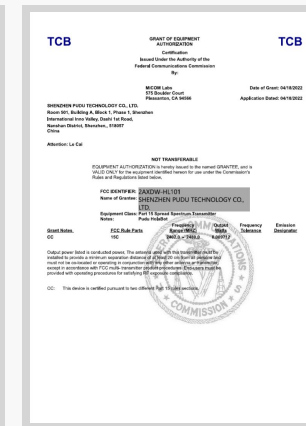
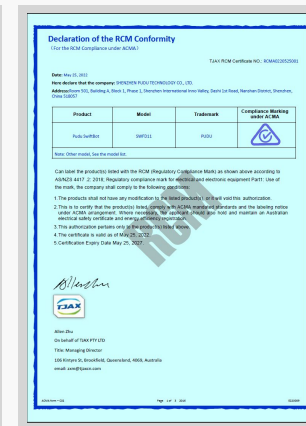
SIRIM



EAC



NSF

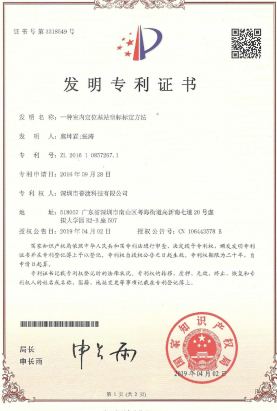
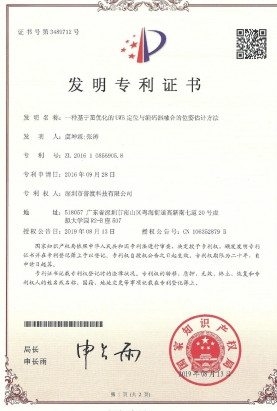
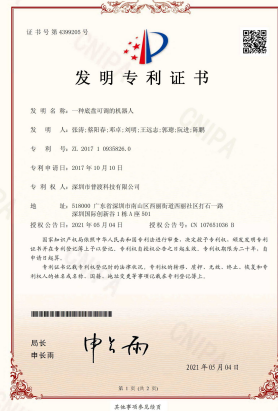
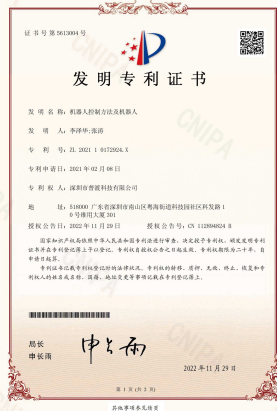
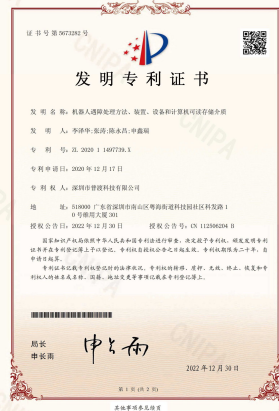


* Relevant statistics as of April 2023



Patent Advantages

Pudu Robotics has filed over 1,300 patent applications worldwide.

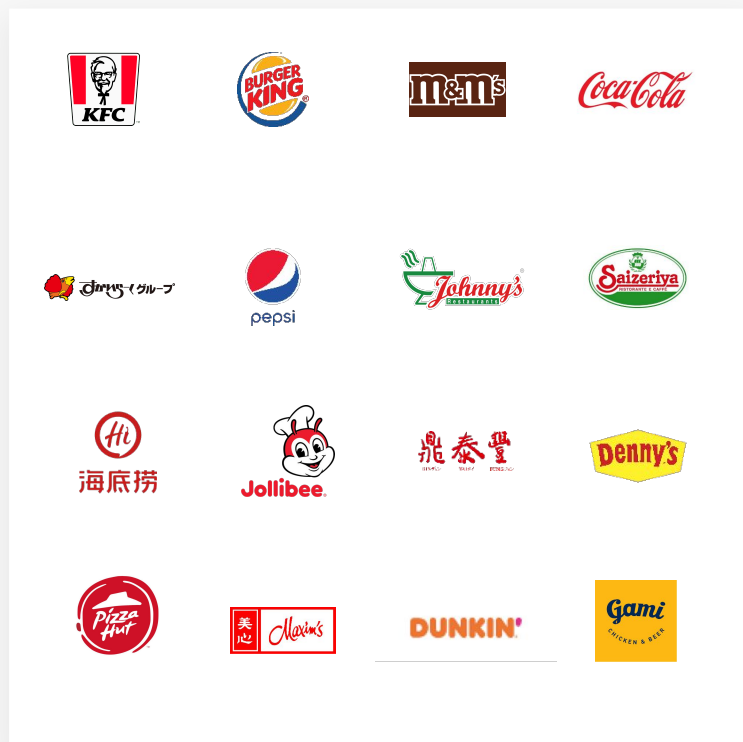


* Relevant statistics as of April 2023

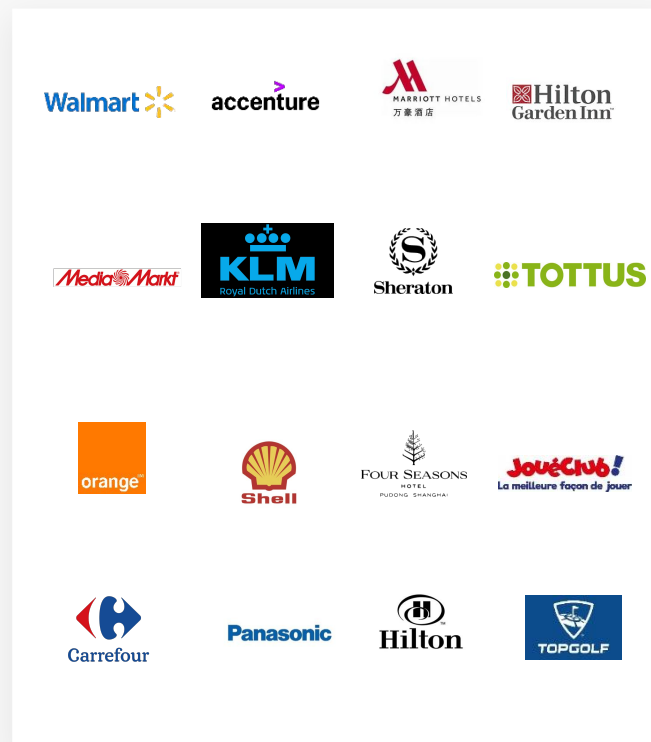
Cooperation

80% The market share of Top 100 restaurant clients

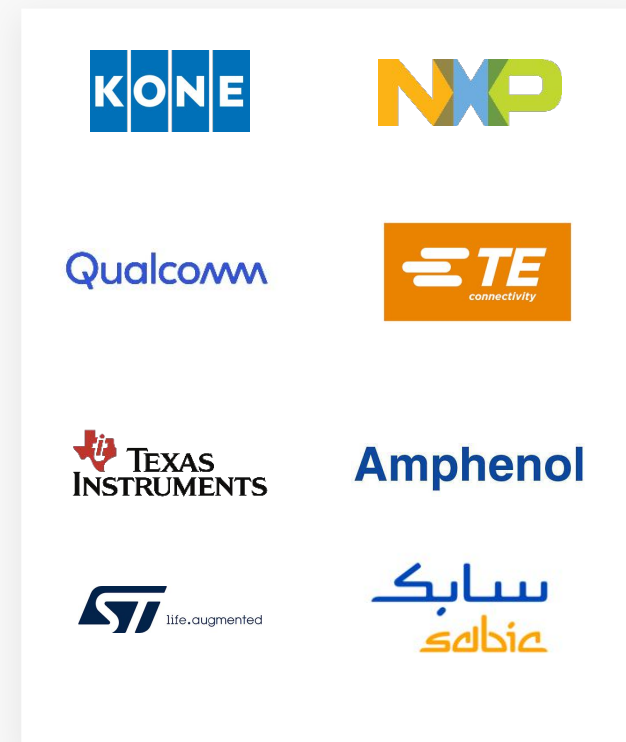
40,000+ Deployed Store



Catering Partners



Non-Catering Partners



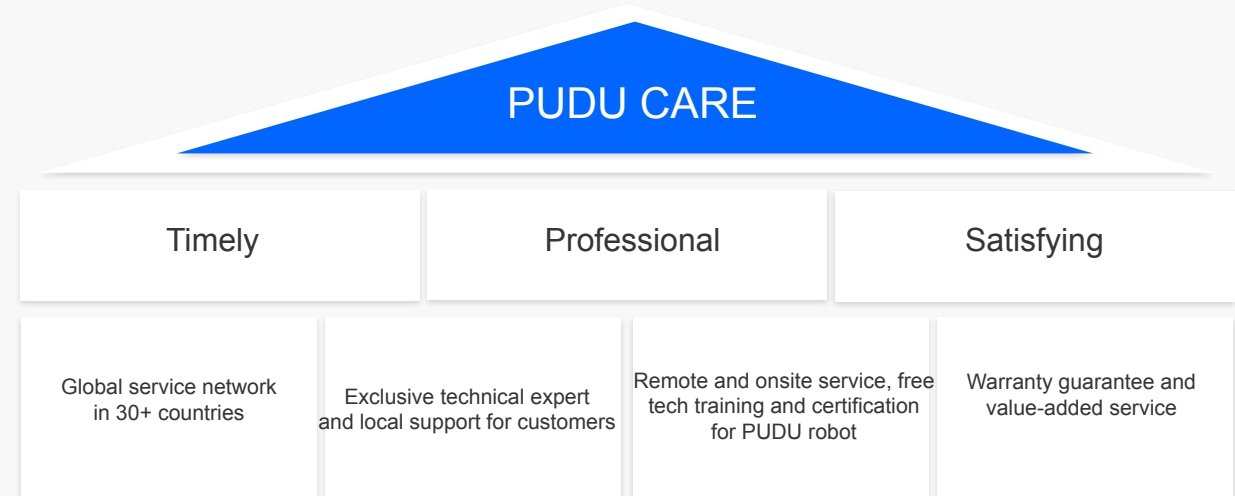
Software and Hardware Partners

Operation Advantage

Offline Service:

- 1 Year Free Warranty
- 7 × 24 Hours Service
- Local Service & Support

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.



GÉNÉRATION ROBOTS

Our added value

With 16 years of experience in robotics, Génération Robots **distributes robots and robotic and electronic components.**

With operations in **France** and **Germany**, it is now one of the major players in the distribution and consultancy of service robotics in Europe.

16+ years

Of experience
and expertise

120

Countries
supplied

800

Referenced
products

6M

Turnover in 2023



DO YOU HAVE A PROJECT?



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Request a quote



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