

A white and yellow robotic arm is shown holding a tray of food. The tray contains a variety of items including lettuce, tomatoes, corn, and other vegetables. The background is a blurred indoor setting, possibly a kitchen or a restaurant.

# ***KettyBot***

**Flexible Multitasker**

Génération  
**ROBOTS**

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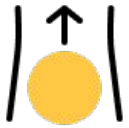
# KettyBot

KettyBot is Pudu Technology's first delivery & reception robot that can perform several tasks --marketing, delivering, guiding at the same time. As a cost-effective and high-efficient product, KettyBot delivers a state-of-the-art experience in multiple complex scenarios.

- A minimize clearance of 55cm
- Walking AD display with 18.5" screen
- Easy deployment
- Work continuously for 8 hours



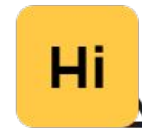
# Product Introduction



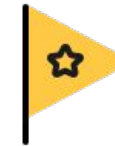
Superior Mobility



Customized Advertisement



Customer Attraction



Greeting & Escorting



AI Voice Interaction



Multiple Delivery Modes



Automatic Recharging



Automatic Task Setting

# Product Introduction



## Three Key Advantages

### Multiple Applicable Scenarios

With a compact, stylish design, complex and dynamic environments can be easily navigated

### In-store Marketing

A robot with a 18' LCD screen, may display your ads to more audiences while strolling in store

### A Versatile All-rounder

Meeting a wider range of needs and conducting tasks at the same time with improved adaptability, safety and accuracy, and an ultra-long battery life

## 3D Obstacle Avoidance Sensor

Two sets of RGBD cameras on the neck and the chassis form a 3D obstacle avoidance

## Visual Camera

The infrared camera on top of KettyBot provides real-time V-SLAM positioning and navigation

## 18.5" Large Ad Screen

In-store marketing with a large ad display

## Laser SLAM

Laser SLAM and visual SLAM dual-SLAM solution

## Independent Suspension

Auto-level independent linkage suspension system with high-efficiency on bump avoidance

## Multi-functional Compartment

Two trays and a collecting box cooperate with each other to meet a variety of usage scenarios

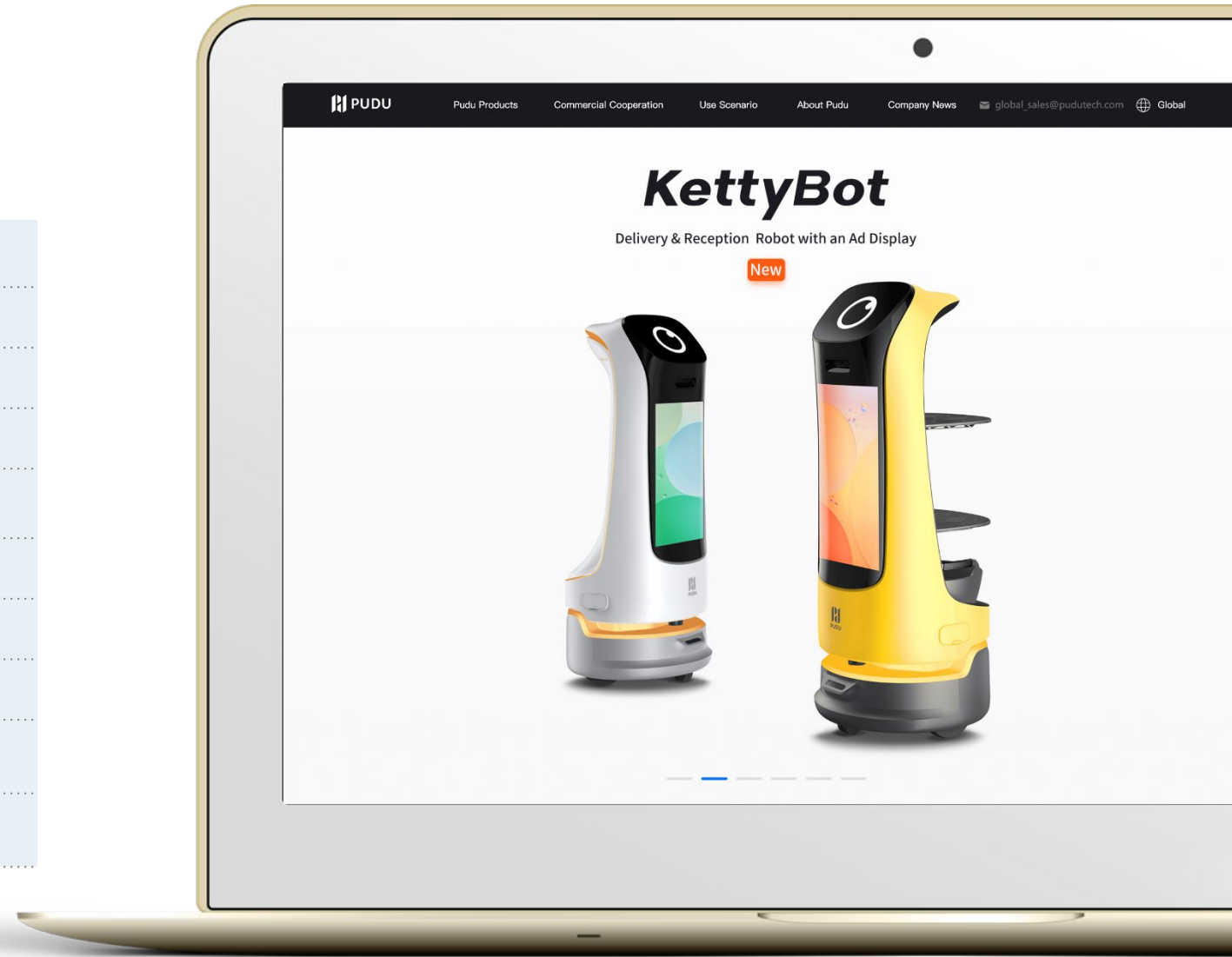
## The Removable Rear Cover

KettyBot features two forms enabled by the removable trays and rear cover



# Product Specification

Machine Dimension	435*450*1120mm
Machine Weight	38KG
Carrying Capacity	30KG
Battery Capacity	25.6Ah
Battery Life	>8h
Cruise Speed	Max 1.2m/s
Charging Time	4.5h (Automatic Recharging)
Obstacle Negotiation Height	Max 7mm
Crossing Width	≥55cm
Climb Angle	≤5°



# Multiple applicable scenarios

With a minimize clearance at **55 cm**, KettyBot is specially designed for complex and dynamic environments.



Powered by PUDU advanced SLAM algorithm, KettyBot supports laser and visual dual SLAM positioning in order to adapt to more scenarios. 2\* RGBD depth camera, provide KettyBot with the strongest 3D perception. Intelligent route planning, the optimal route to perform tasks is selected based on the operating environment.

**Meeting the needs of different complicated scenarios:  
restaurants, cafes, bars, barbecue shops, hotels, gyms, hospitals etc.**



# In-store Marketing



## 18.5" Large Ad Display

- The 18.5" large ad screen can display promotional video or pictures, providing a more eye-catching approach for marketing.
- Centered ad display perfectly adapts to the customer's angle of view, while maintaining the design aesthetic of the robot.
- KettyBot is not only attractive to adults but also to children, making it ideal to impress the whole family.

# In-store Marketing

## Customized Advertisement

- PUDU Business Management Platform offers the flexibility to customize the content presented on the ad display
- The ad playlist can be easily generated, with customer-defined frequency and the sequence of the ads



# A Versatile All-rounder

## Two Forms for Greater Versatility

KettyBot features two forms enabled by the removable trays and rear cover\*. Our customer may select the form of robot based on needs.

\*The rear cover needs to be purchased additionally.



# A Versatile All-rounder

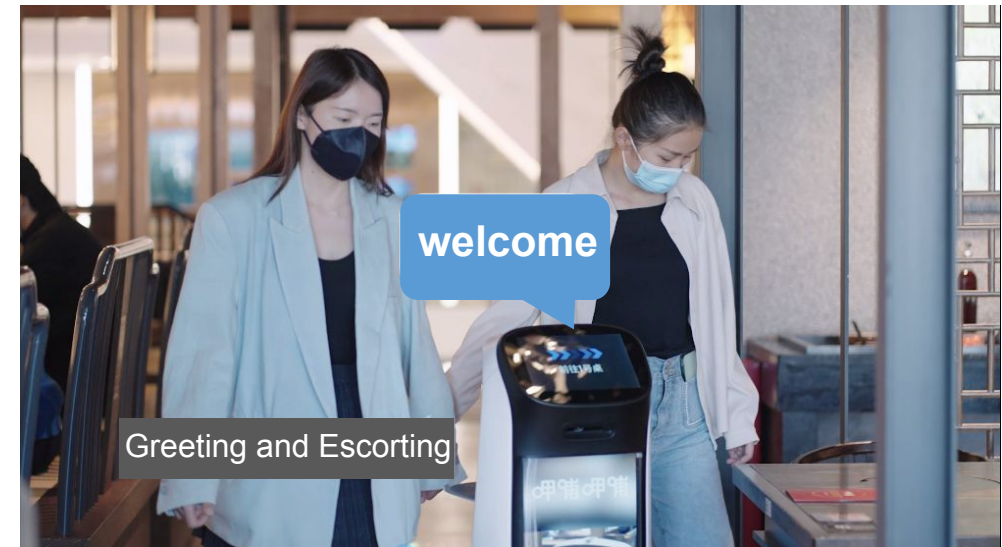
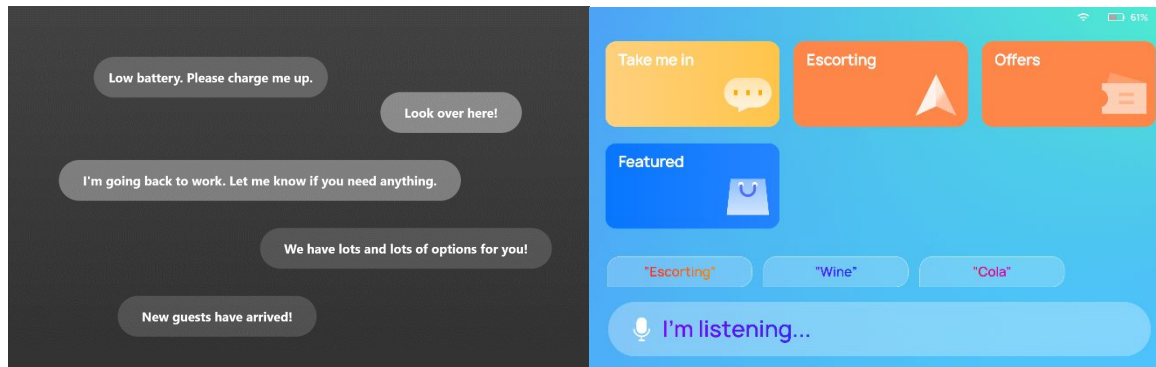
## Customer Attraction

### Enhanced Voice Interaction

- The new voice interaction module integrates 360° sound localization.
- Exclusive situational dialogues with cutting-edge echo cancellation, noise suppression, and reverberation elimination technology.
- Say the word "hey pudu" to wake-up AI voice interaction
- Support a variety of human-robot dialogues

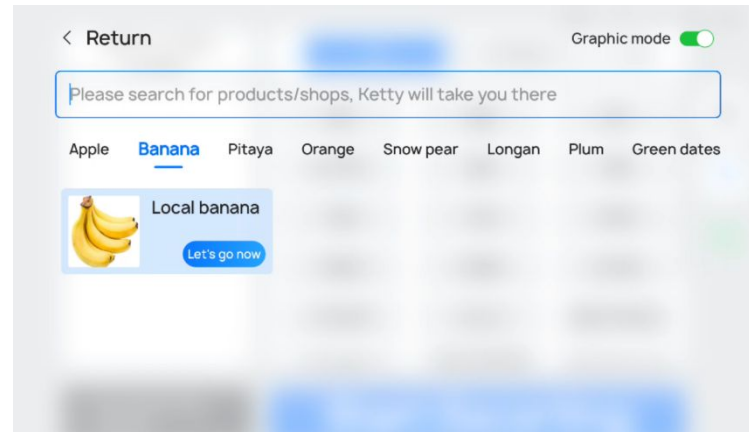
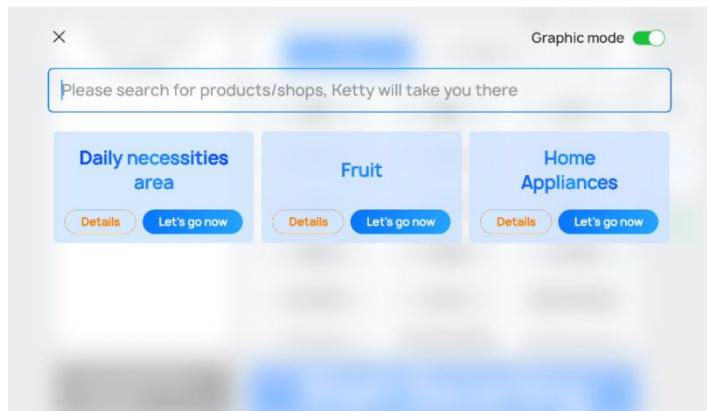
## Greeting & Escorting

- The rear cover of KettyBot features a minimalist, streamlined design that makes it more compact.
- With autonomous path planning, the robot can lead customers to their tables in the optimal path, providing improved customer experience and reducing waiter workload



# A Versatile All-rounder

## New Guiding Mode: Search & Guide



- By searching words or clicking pictures, customers may look for the items or the store location they need, then KettyBot will guide them to pick up point or stores.

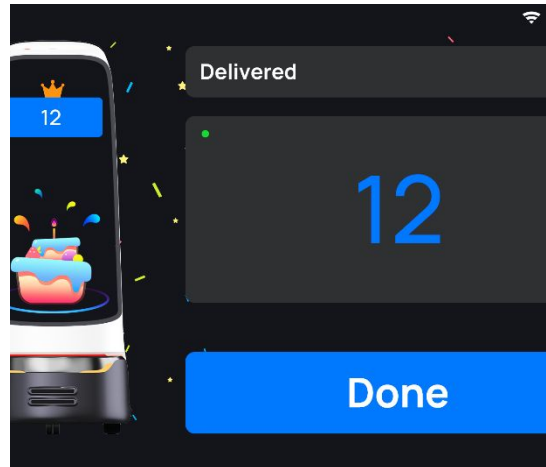
Make it easier for customers to use KettyBot.

# A Versatile All-rounder

## Multiple Delivery Modes

### Multi-table Delivery

Multiple tables can be served in one run with accurate positioning and optimal path planning.



### Birthday Mode

KettyBot can deliver birthday cakes and sing birthday song, giving customers a strong sense of happiness and satisfaction.

### Cruise Mode

KettyBot can cruise in specific areas to provide customers with free snacks, drinks and promotional flyers.



# A Versatile All-rounder



## Stabilized Delivery

- Upgraded automobile-level adaptive suspension with latest shock absorbing technology, greatly improves the stability of the robot's delivery, and supports the robot to deliver dishes with food decor, porridge, soups and drinks while reducing spills.
- KettyBot can deliver more varieties of meals and beverage.

# Ultra-long battery life

Ultra-long battery life for all-day-long service.

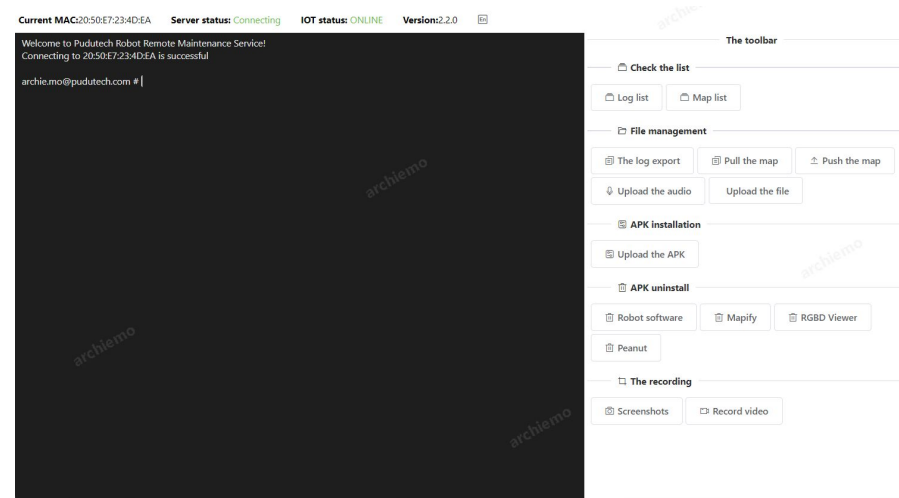
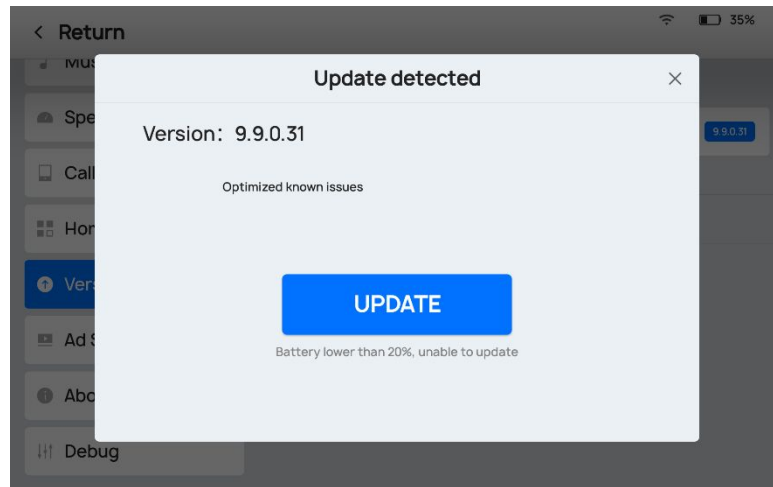
- Battery Capacity: 25.6Ah
- Battery Life: **>8H**
- Automatic Recharging :KettyBot automatically provides a voice alert and UI notification when the battery is low, and returns to the docking station\* simultaneously.

\*The docking station needs to be purchased additionally.





# Easy Maintenance



- Remote Upgradation Supportive, Users can quickly obtain software updates to instantly improve robots' performance.
- Intelligent Fault Analysis and Trouble-shooting, Cloud Management and Maintenance, make us can quickly respond to customer problems and solve them, and provide after-sales service remotely

**Reduce maintenance time, Improve efficiency, Reduce maintenance costs**

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# Pudu Robotics



Shenzhen-based and founded in 2016, Pudu Robotics is a world-leading tech-focused enterprise dedicated to the design, R&D, production and sales of commercial service robots on a mission to use robots to improve the efficiency of human production and living.

Since its inception, Pudu Robotics has heavily invested in R&D, obtained multiple awards such as Red Dot and applied hundreds of core patents to lead the development of the robotics category and provide high technology products that would appeal to targeted markets. Pudu Robotics has been rapidly growing in recent years to become a “leader” in the global markets with coverage of over 60 countries worldwide. The robots are widely applied in restaurants, hospitals, schools, office buildings, government halls, subway stations, waiting rooms, etc.

# Global Sales Network

# Sales Network

Pudu Robotics is exploring the global markets rapidly and currently with the coverage of over 60 countries and 600 cities worldwide. We are on the way to explore and deliver more to the future!



# Media Coverage

## Companies urged to test new business models

FROM A

ites about 11 per cent of Singapore's gross domestic product and employ about 5.5 per cent of the country's workforce.

"Covid-19 has accelerated digital adoption for many of our F&B companies. We have seen government support especially in the form of the Central Business District and business-related zones, as well as catering companies, all of which are helping them recover," he added.

McChan noted that from January to October, the number of applications for the Productivity Solutions Grant (PSG) in the F&B sector of the same period last year.

So far, more than 2,700 PSG applications for IT solutions have been approved through.

Since Choon is an example of an F&B company that adapted quickly during the circuit breaker by going digital, the delivery services will have the impact of a catalyst on business, said the minister.

These efforts resulted in sales from food delivery significantly, from 10 per cent prior to the circuit breaker to around 60 per cent of average monthly revenue during the circuit breaker.

Even as digital revenues sink from food delivery, continue to grow it has about 20 per cent in the past year, said Choon's monthly revenue.

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Minister for Trade and Industry Chan Chun Sing (left) has the son with Lee Choon (The Sun Restaurant's third-generation owner Ernest Tang (left) and second-generation owner Tony Tang during a visit to the latter premises. He also visited Sun Choon as an example of a food and beverage company that adapted quickly during the circuit breaker by going digital during the circuit breaker to provide food delivery services to revenue the impact of Covid-19 on its business. PHOTO: LAYAN, PICTURE

Business is partnering with the Food Innovation and Research Centre - a joint initiative between Singapore Technologies and Landprime Singapore (STG) - to develop ready-to-eat products to increase its revenue streams, given the restrictions on dine-in.

Companies can also take advantage of foodtech, a multi-agency initiative led by ESG, that helps Singapore food companies to use food delivery and innovations, he said.

As for the impact of the circuit breaker, he said that the government will continue to support F&B players with various initiatives to help them adopt digital technologies.

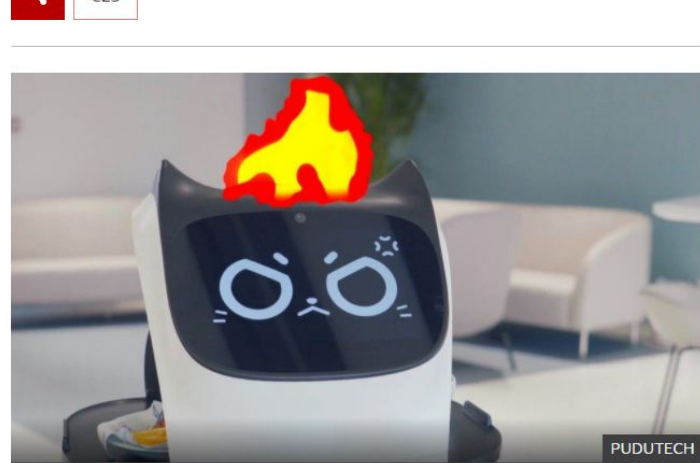
## NEWS

### Tech

# CES 2020: Restaurant cat robot meows at dining customers

6 January 2020

CES



## Forbes

Страна: мирная бизнес

НОВОЕ МИЛЛИАРДЕРЫ РЕЙТИНГИ БИЗНЕС ФИНАНСЫ СВОЙ БИЗНЕС ТЕХНОЛОГИИ ВИДЕО ПОДКАСТЫ ИТОГИ ГОДА 2020

### Робот за \$12 000: «Шоколадница» тестирует роботов-официантов

Татьяна Романова Forbes Staff



Робот-официант в кафе «Шоколадница».

С 30 октября роботы-официанты работают в двух кофейнях сети «Шоколадница». Пандемия добавляет популярности такому способу обслуживания.

Обслуживать гостей двух кофеен «Шоколадница» будут роботы-официанты.


Panasonic



MINOR  
HOTELS



Pulmuone



DUNKIN'

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# Case Study





# Case Study



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# Customer Value



**A differentiated experience to attract more customers**

KettyBot redefines customer experience with an eye-catching way to attract customers and a smart, thoughtful way to serve them.

**A novel approach for in-store marketing**

KettyBot allows your marketing campaigns and special offers to reach more customers, delivering a higher conversion.



# Customer Value



## Robot-human collaboration to improve service and efficiency

Human workers collaborate with KettyBot in a way that they can both do what they are best at.

KettyBot is ready to assist and improve humankind working experience.

## Manpower shortage is no longer a problem

Multiple delivery mode can well assist stores in completing tasks such as food delivery , and delivering snacks, which will free up human workers from dull and duplicate tasks.



# Customer Value



## One robot for multiple needs

As a multitasker ,KettyBot can perform several tasks --marketing, delivering, guiding at the same time, assisting from front-end to back-end, meeting the propaganda and delivery needs of restaurants, cafes, bars, barbecue shops, hotels, hospital etc.

## Unified management & IoT platform

Users can manage different models of Pudu robots simultaneously and analyze the operation of the robots through Pudu management platform.



## 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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