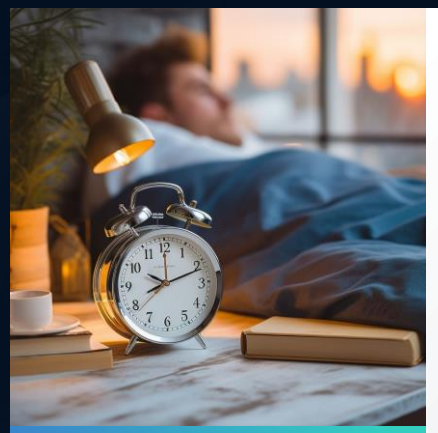
INFANMR2

PAIN POINTS EXISTING IN HOSPITAL SERVICE DELIVERY

HIGH LABOR COSTS

High Labor Costs And Low Efficiency

- Increase hospital manpower
- Insufficient staffing
- Staff easily got sick – COVID cases



LACK OF TIMELINESS

Time Delays And Lack Of Timeliness

- Delay in serving the patients requests
- Delay in sending documents
- Delay in giving the medicine

SERVICE QUALITY

Inconsistent Service Quality And Accuracy

- Employee may overlook & become fatigue
- The quality of the service is unsatisfactory

PRIVACY AND SECURITY

Customer Privacy And Security Risks

- Eliminates the need from entering the room – covid cases, influenza
- Allowing customers to receive items in a comfortable and secure environment

THE VALUE BROUGHT BY IMPLEMENTING A ROBOTIC SOLUTION

Enhancing Customer Experience And Satisfaction	• Fast, accurate, and personalized service • Deliver required items to the room on time • Avoid delays and errors from traditional methods • More convenient, efficient service, and customer satisfaction
Improving Operational Efficiency And Reducing Costs	• Automated delivery services 24/7 • Unaffected by fatigue and human error • Lower labour costs, enabling the hospitals enhance overall operational efficiency
Enhancing Privacy And Security Experience	• Avoid direct contact between individuals • Reducing the risks of safety • Ensures cleanliness and prevents contamination during the delivery

UNLOCKING EFFICIENCY, PRECISION, AND CUSTOMER DELIGHT WITH ROBOTS

OVERVIEW OF DELIVERY ROBOT INFANMR2

4 Rooms
Per Task

50 Floors
Max Support

90 L
Large Volume

20 kg
Load Capacity

2/3/4
Compartments

0.8 m/s
Moving Speed

11.6 inch
Touch Screen

24 Hours
Non-stop Work

OVERVIEW OF DELIVERY ROBOT INFANMR2

W3 MAIN PARAMETERS

INFANMR2

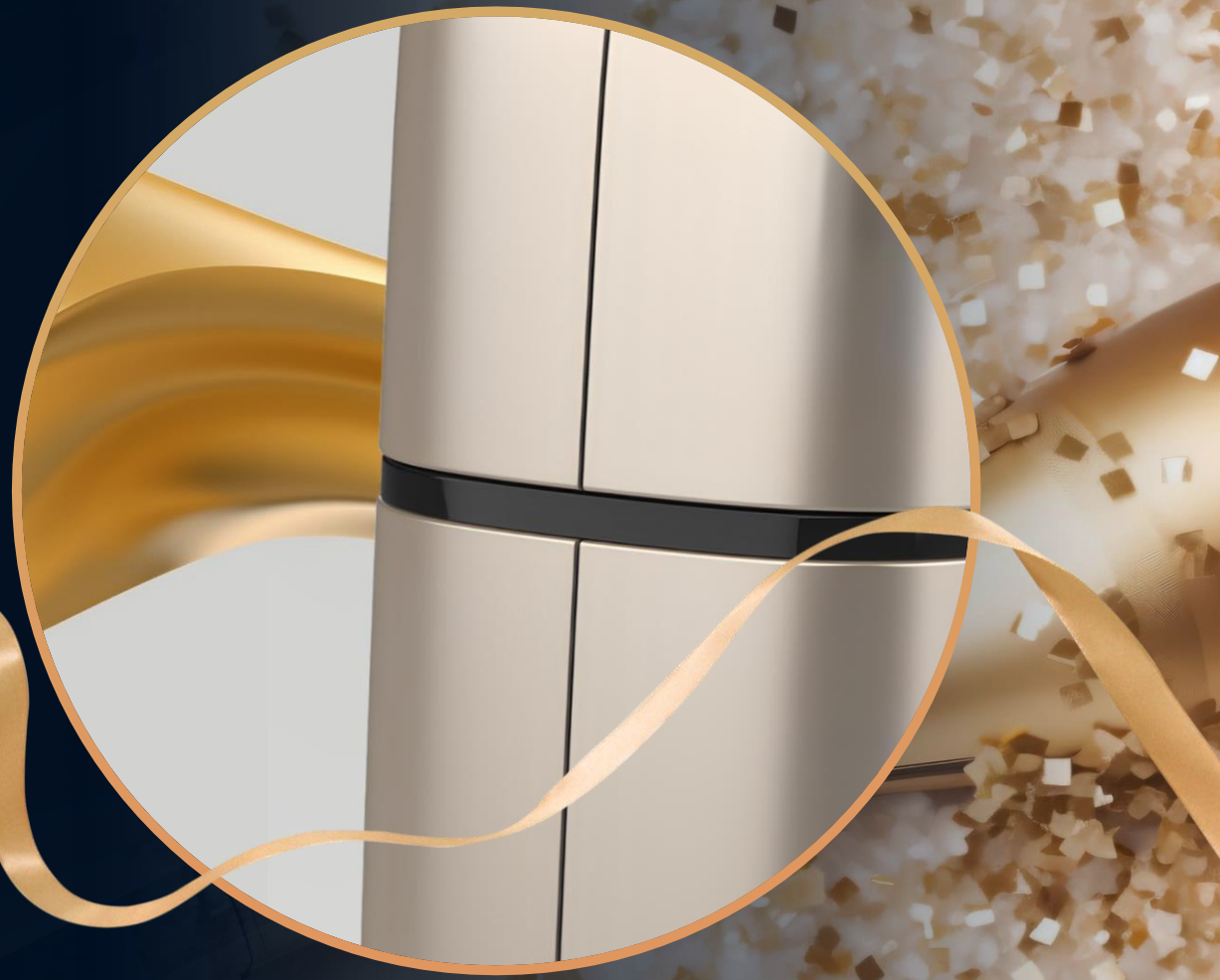
INFANMR2
Product Main Parameters

Robot Size	459*549*1081mm (W x D x H)	Net Weight	48 kg (With Battery)
Load Capacity	20kg, 90L	Max Speed	0.8 m/s
Number of Compartments	2/3/4 Adjustable	Battery Life	9-12 Hours
Size of Compartments	390*385*300mm (Enough to Hold 66 Bottles of Water)	Charging Time	6.5 Hours
Obstacle Avoidance	Dual Stereo Vision Collision-sensing Bar	Positioning & Navigation	Laser, IMU, Encoder Multi-Sensors
Screen Size	11.6 inch	Maximum Climbing Angle	7°
Minimum Passage Width	70 cm	Maximum Overpass Height	1.5 cm

EXQUISITE SURFACE FINISHING CRAFTSMANSHIP

THE EPITOME OF LUXURY IN A GOLDEN FINISH

CHAMPAGNE GOLDEN



INFANMR2

EXQUISITE SURFACE FINISHING CRAFTSMANSHIP

SLEEK STREAMLINED EXTERIOR DESIGN

ELEGANT

SAFE

EFFICIENT

INFANMR2

BIGGER SCREEN, GREATER CONVENIENCE

11.6" TOUCH SCREEN
EVEN BIGGER THAN IPAD

PERFECTLY ANGLED
FOR EFFORTLESS OPERATION

24°

EASILY PLAY LARGE-SCREEN VIDEOS

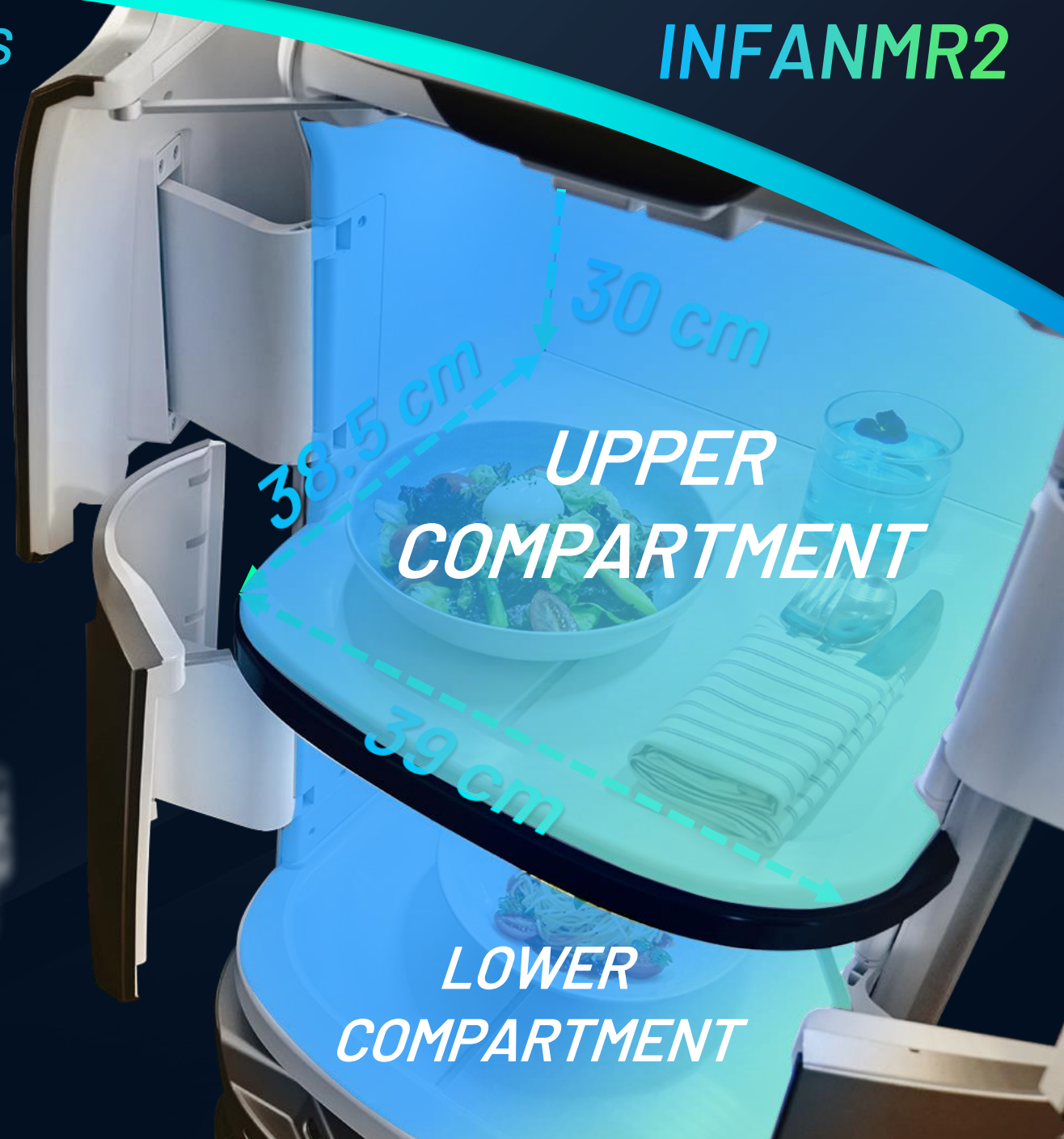
LARGE LOAD CAPACITY COMPARTMENTS

INFANMR2

SUPER HIGH LOAD CAPACITY

39x38.5x30cm X 2

= 90L 20kg



ENSURING PRIVACY AND HYGIENE IN EVERY DELIVERY

Hygiene Guaranteed

CONTAMINATION-FREE

Ventilation System

PREVENTING SPOILAGE

Privacy and Safety

CONTACTLESS

INFANMR2

EFFICIENT DELIVERY IN MINUTES WITH POWERFUL MOTOR WHEELS

6.5" MOTOR WHEELS

Average Delivery Time Per Task	2 - 3 min
Average Number of Deliveries Per Day	80 - 120 times
Replaceable Workforce	2 - 3 individuals

0.8m/s

MULTI-SENSOR AND SAFETY CARE

EMERGENCY SENSING STRIPE

STEREO VISIONSENSORS

WIDE RANGE LiDAR

EFFORTLESSLY MOVE THROUGH ELEVATORS , ACCESS CONTROL GATES, ELECTRIC DOOR, AND TURNSTILE

Autonomous Elevator Riding

Autonomous Through Access Control Gates

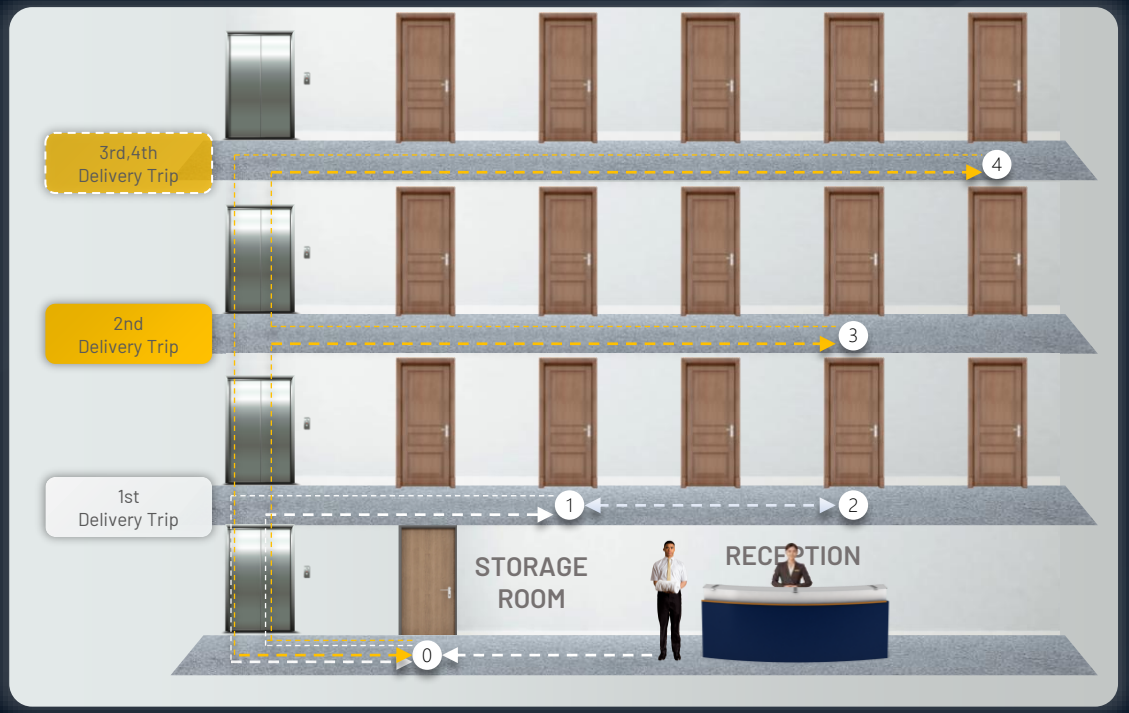
Pass Through The Electric Door

Pass Through The Turnstile

COMPARISON OF TIME BETWEEN HUMAN AND ROBOT DELIVERY SOLUTION

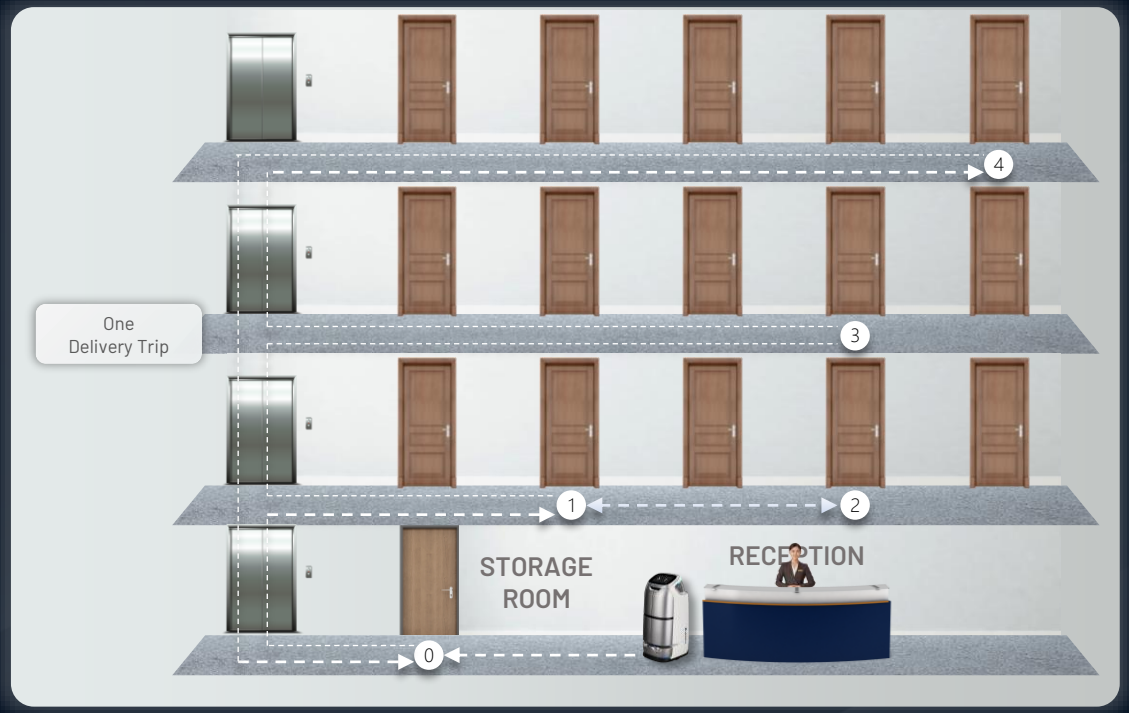
24/7 SERVICE

HUMAN-POWERED DELIVERY SOLUTION



VS

ROBOT-POWERED DELIVERY SOLUTION



Peak Hours : 15-30 Min	Delivery Response Time	Peak Hours : 5-10 Min
2 Rooms	Rooms Per Trip	4 Rooms

MULTIPLE NOTIFICATION METHODS FOR ITEM RETRIEVAL

Internal Line Notification

Can Provide
Phone Adapter As a Solution

External Line Notification

Can Provide
Service Provider As a Solution

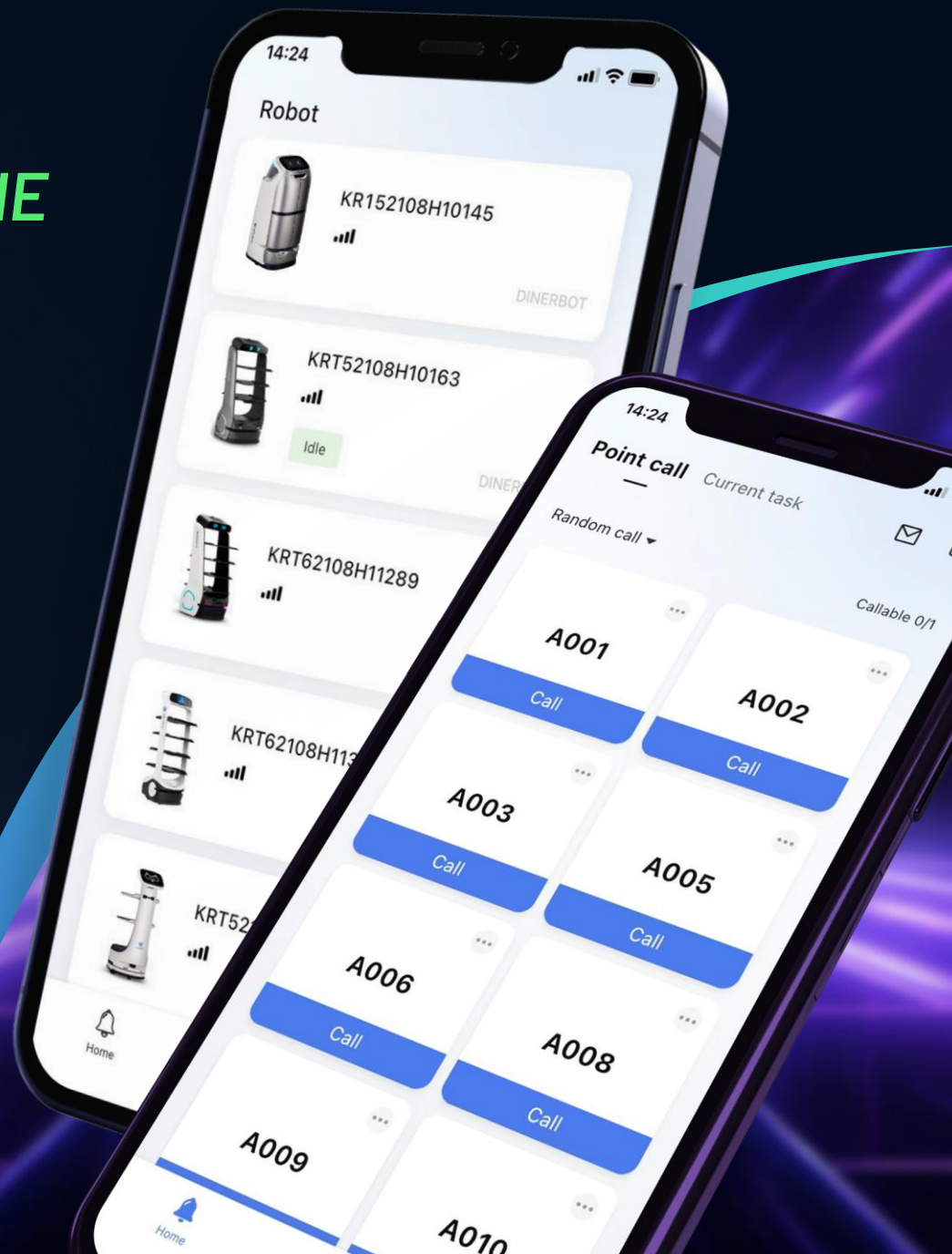
Notification Bell

Suitable For
Phone-less Environments

WORK WITH CALLING APP

CALL THE ROBOT FROM A DISTANCE TO COME TO YOU JUST BY YOUR PHONE

- Easy Robot Calling On Smart Phone
- Aesthetic and User-friendly UI
- Robot's Call Availability Status Display
- Just One Click to Call or Cancel
- Remaining Distance Estimation
- Display of All Robot Call Task Lists



TYPICAL CALCULATIONS OF LABOR COST SAVINGS FOR CUSTOMERS

BASIC INFORMATION								
	Number of Rooms	100	Occupancy Rate	54%	Hotel Floors	4	Average Occupancy Per Room	1.5

GUESTS
81

DELIVERY NEEDS PER GUEST								
	Food & Beverage	0.3	Toiletries & Take Out	0.6	Average Delivery Distance	52m	Waiting Time For The Elevator	48s

DELIVERY COUNT
73

HUMAN SOLUTIONS

	Average Delivery Time Per Room	15min	Average Load Capacity	0.8	People Needed	3	Labor Cost	

4500 USD PER MONTH

ROBOT SOLUTIONS

	Average Delivery Time Per Room	5min	Average Load Capacity	0.9	Robot Needed	2	Robot Cost	

1000 USD PER MONTH

REDUCED COST

(4500-1000) x 12 = 42000 USD PER MONTH

APPLICATION SCENARIOS

Hotel & Resort

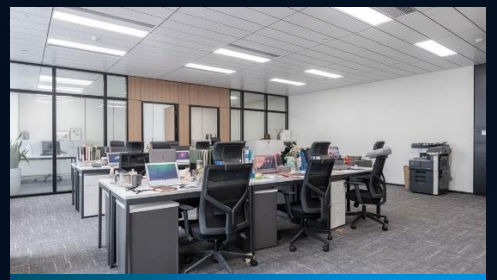
Apartments

Library

KTV

Clinic

Nursing Home



Office Building

Indoor Golf

Hospital

THE W3 BUTLERBOT CAN BRING VALUE TO A WIDE RANGE OF SCENA

INFANTRON

Thank you!

+65 9240 5870

daniel@infantron.net

996 Bendemeer Road #06-06 B-Central Singapore 339944
Infantron (S) Pte Ltd