

RV TECHNOLOGY

The Development of People-centric Robotic Solution

2020.06.30

TODAY TOPICS

1. Company Introduction

2. Services Robot

- a. Transporter Robot
- b. Disinfection Robot
- c. Delivery Robot

3. Smart Robotic Multi-functions Centre

OUR MISSION:

PEOPLE CENTRIC ROBOTIC
APPLICATION DEVELOPMENT





OUR LOCATIONS



Hong Kong
Head Office



China (Shenzhen)
R&D Center and Workshop

Taiwan
Rep Office and Workshop

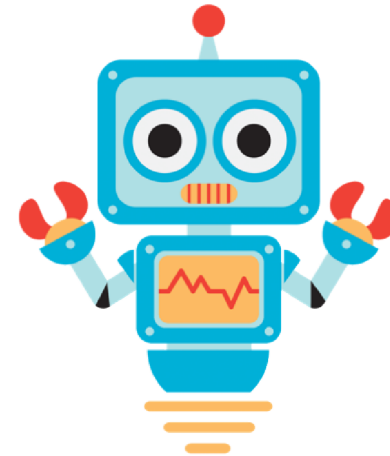
Europe (Vilnius)
Sales office , R&D Center and Workshop

Singapore
Sales office and R&D Center





SMART WAREHOUSE SOLUTIONS



SERVICE ROBOTS

FOCUS SECTORS

TRANSPORTER ROBOT

by RV Technology

FOBO - TRANSPORTER



- Autonomous delivery goods from 1 location to another location at same floor level
- Dimension(Ref) : 900mm (L)x750mm(W) x 1500mm (H)
- Payload : up to 200kg
- 4-layer level storage rack
- Autonomous navigation in the indoor environment
- Avoid collision on obstacles
- Follow-Me
- Anti-interference
- Navigation by SLAM Technology
- Max. speed 1.5m/s
- Able to operate on slope at 3 degrees inclination

Autonomous platform testing in progress (2019 Q3)



OVERSEAS SUCCESSFUL CASE - SINGAPORE



Company: SDR Logistics
(One-stop warehousing and logistics provider in Singapore)

Problem:

Lack efficiency to lift the parcels in the warehouse

Solution:

FOBO Autonomous Follow Me Robot

Result:

Robot will follow the person with parcels and avoid obstacles. Leading to time-saving and work efficiency enhancement.



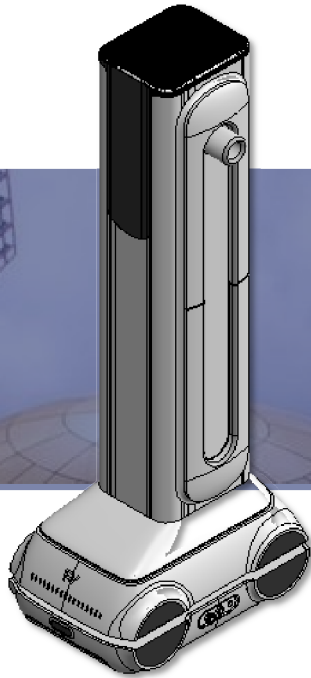
PPTL PICKING ROBOT WITH MANAGEMENT SYSTEM AT EUROPE



DISINFECTION ROBOT

by RV Technology

DISINFECTION ROBOTS



Spray
Disinfection Robot

Fogging
Disinfection Robot



PRODUCT VIDEOS



Disinfection Robot

BINARY IONIZATION TECHNOLOGY® (BIT™)



Binary Ionization Technology (BIT) was invented under a grant in association with the **Defense Advanced Research Projects Agency (DARPA)** of the U.S. Department of Defense in response to the 2001 weaponized Anthrax spores' attacks (Amerithrax).



SteraMist's disinfection technology utilizes **ionized Hydrogen Peroxide (iHP)** mist/fog spray to **achieve a six-log (99.9999%)** or greater kill and is regarded as the "gold standard" of sterilization in the disinfection industry.

Its state-of-the-art technology is capable of providing **disinfection protection from coronavirus**, existing and emerging pathogens, mutating resistant bacteria, bacteria spore, viruses, fungi and spores. SteraMist has now been implemented in all corners of the globe as multiple registrations are secured both in US and internationally; including independent validation and registration with the European Union (EU), Ministry of Health Israel, China CDC, Taiwan, South Africa, among many others.



STAND OUT IN MARKET



**Kills within
seconds**

(Other dwell time
ranges 5 to 30 mins)

**6-Log kill
99.9999% on
all Pathogens**

(A majority of other EPA
registered 99.9 to 99.99)

No Residue
No wipe
No rinse
Quick drying time

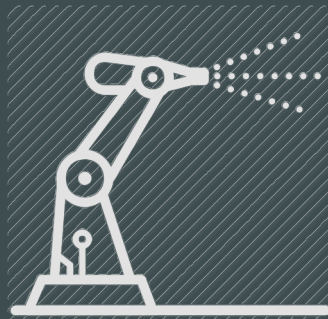
**No Harmful
Effects to Health
of Personnel**

Non-corrosive
to 39 commonly
found materials
including metals,
plastics, rubbers

Environmental
friendly, only
oxygen and water
leaves

ROBOT VS HUMAN

24/7
365



**Standardize & Uniform
Disinfection**

QUARANTINE IF EXPOSED

Separates people and restricts their movement if they were exposed to a contagious disease to see if they become sick.



- For people who are not sick, but may have been exposed (in close contact with someone) who is sick.
- You must stay away from others for 14 days to see if you get sick.

 **14 DAYS**



autonomous
MOBILE ROBOT

DELIVERY ROBOT

by RV Technology



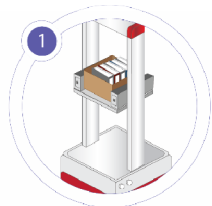
Technology

BEVERAGE DELIVERY ROBOT

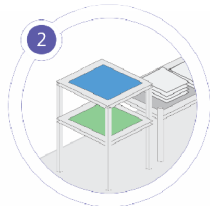


- Autonomous delivery of beverage from 1 location to another location at same floor level
- Dimension: 550mm(L) x 535mm(W) x 800mm(H).
- 2 internal compartment for storage of beverages not less than 270mm on any side and not less than 110mm height
- Autonomous navigation in the indoor environment
- Avoid collision on obstacles
- Follow-Me
- Anti-interference
- Navigation by SLAM Technology
- Max. speed 1.5m/s
- Able to operate on slope at 3 degrees inclination

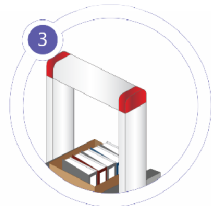
DOCUMENT DELIVERY AND ENVIRONMENT MONITORING ROBOT



Indoor Document Delivery Robot



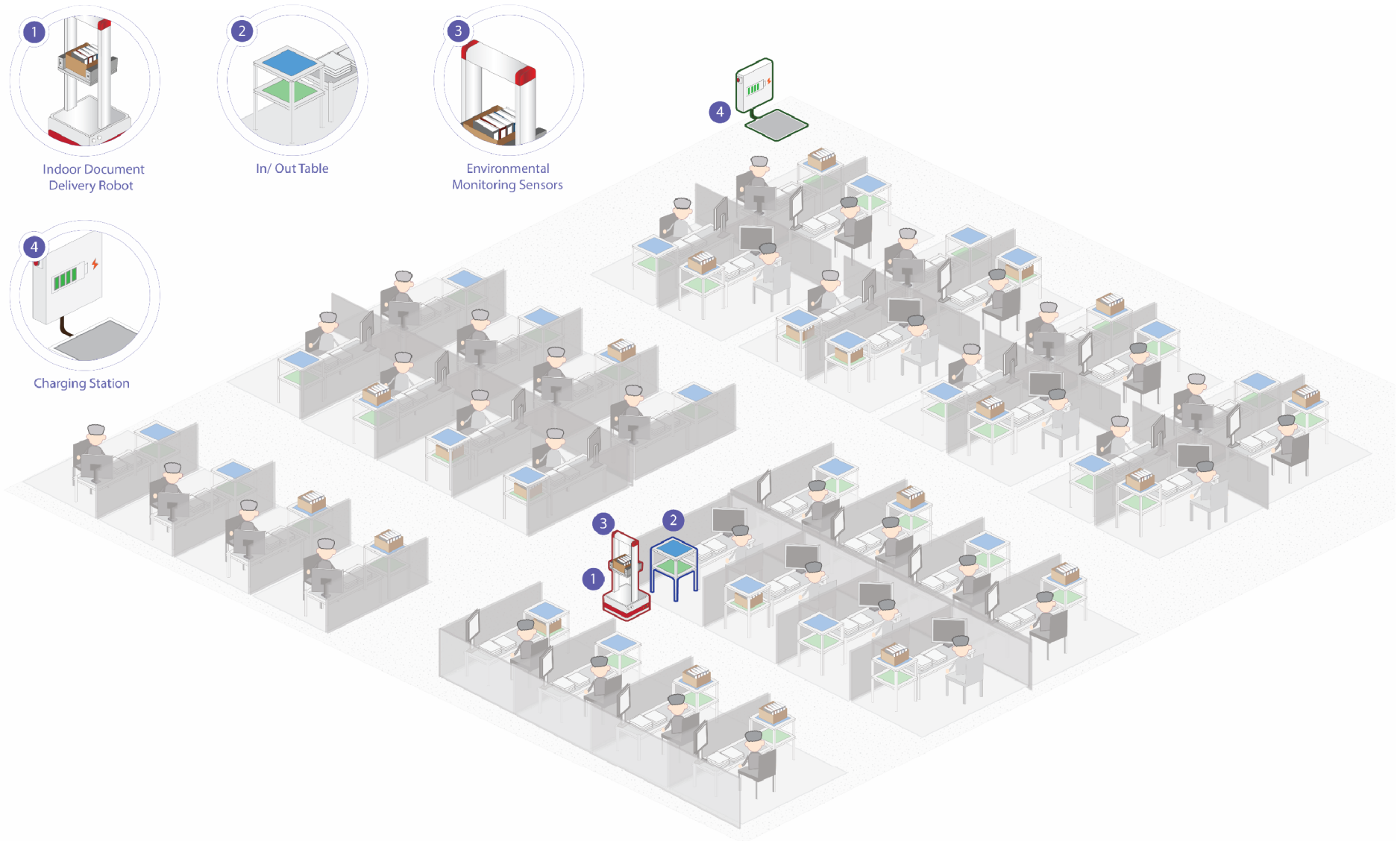
In/ Out Table



Environmental Monitoring Sensors



Charging Station



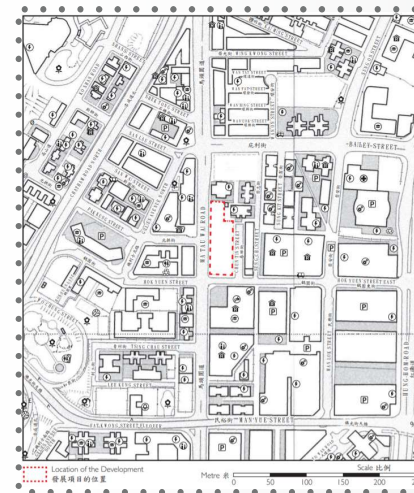
SMART ROBOTIC MULTI-FUNCTIONS CENTER

by RV Technology

SOLUTION - HIGHLIGHTS

RobEx
V-Smart Storage
— empowered —

R/
Technology



煥然懿居
eRESIDENCE

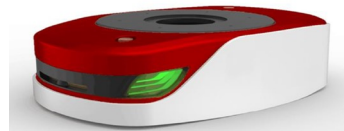
E-storage System at
eResidence

NEW RETAIL SOLUTIONS



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OTHER APPLICATIONS – DOCUMENTS HANDLING CENTER



UNMANNED EXHIBIT STORAGE

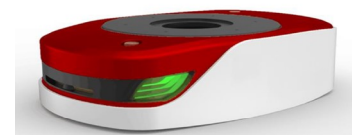


1. Authorized person can touch the Exhibit with login and record system with pass code and/or facial recognition system

2. Robot Automated delivery the Storage Rack with exhibit items to Pick Station

3. The Exhibit located on the Highlighted Red Door

4. Door Open automatically for collect the Exhibit



ADVANTAGE HIGHLIGHTS



Fully Automated



Fully Unmanned Zone



ONLY Authorized
Exhibit delivered

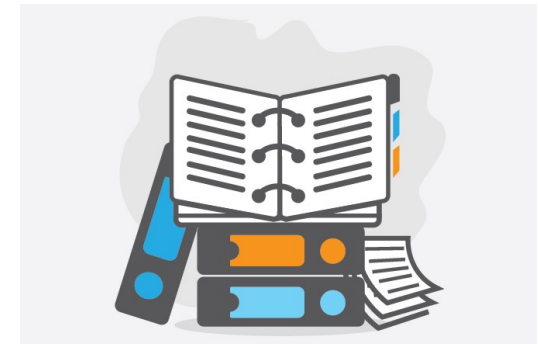


High Security

- CCTV
- motion sensor
- Facial recognition



Fully Controlled by
Customized
procedure



Full Record
Operation



THANK YOU