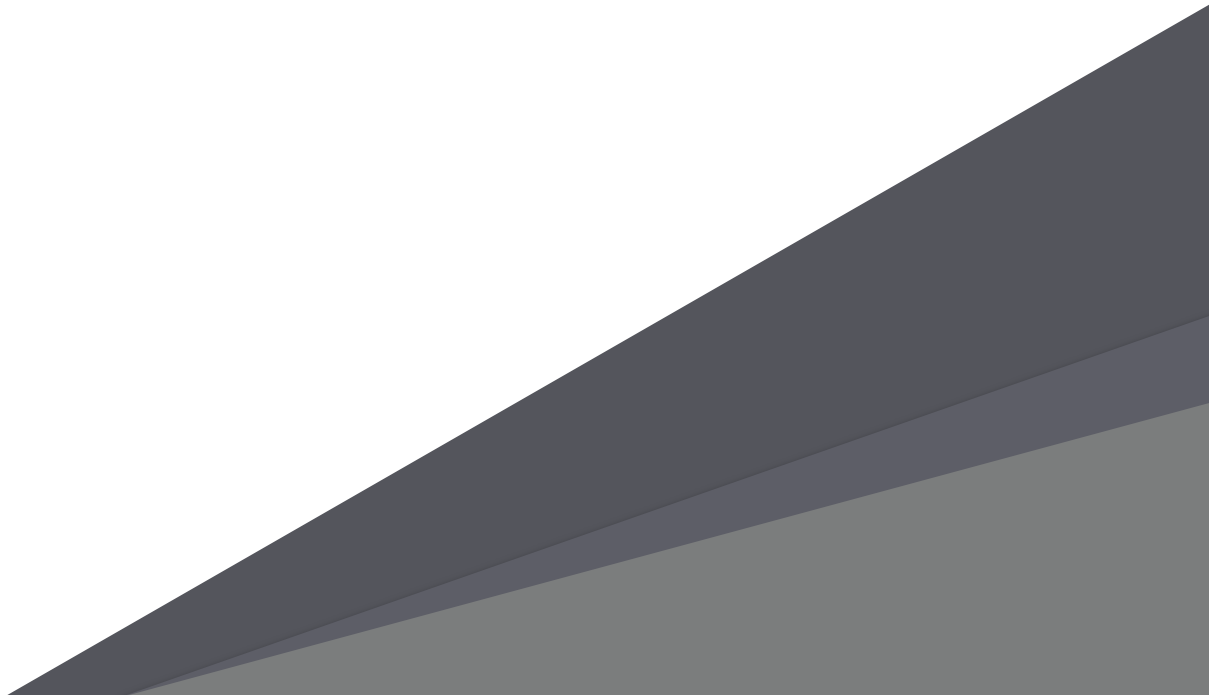


peppermint™
robotics

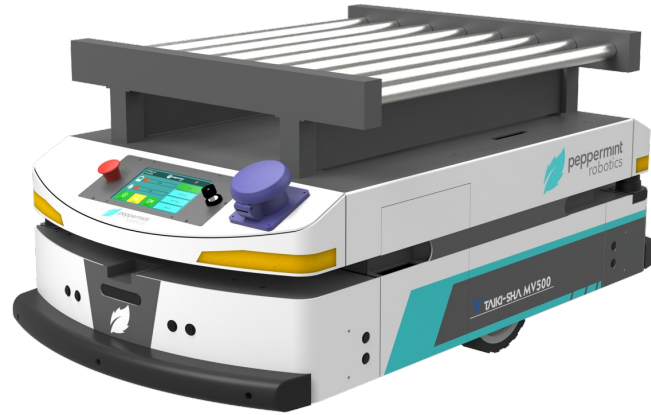
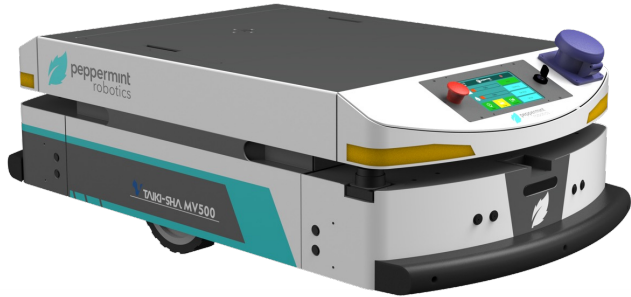
.....

- Material Handling Robots
- Tug and Tow Robots
- AMR

.....



MV 500 / 1000
Flat head



MV 500 / 1000
with conveyer



TUG 2000



TUG 1000



Material Handling Robots / AMR / Tug & Tow Robots

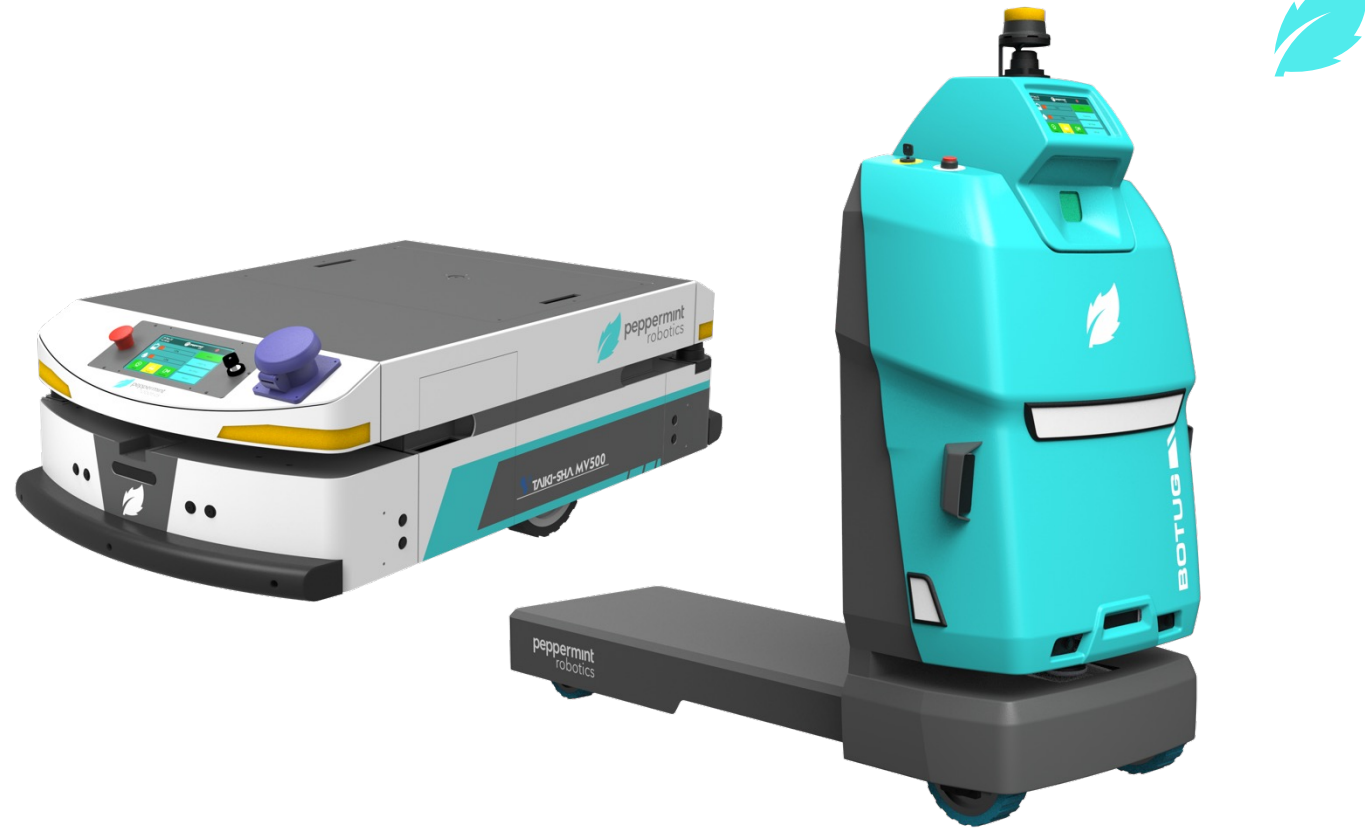
Designed for intensive material handling /
movement operations

Robust and built for 2 / 3 shift operations
with best in class battery backup

Easy to operate, maintain and manage
fleet of robots

Now in four payload capacities
(Tug Robots / AMR)

- 250 Kgs
- 500 Kgs
- 1000 Kgs
- 2000 Kgs



Ideal for



Manufacturing



Warehouses



Commercial



Customized

Intelligent

With Peppermint Fleet Manager

First ever Dynamic load and instruction interface to manage a large fleet of robots for multiple pickup / drop locations

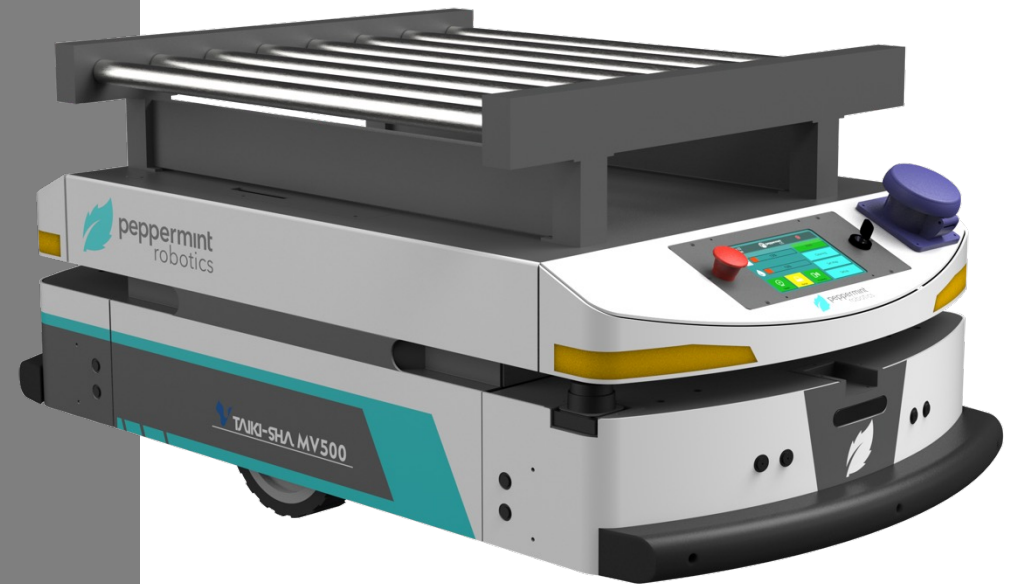
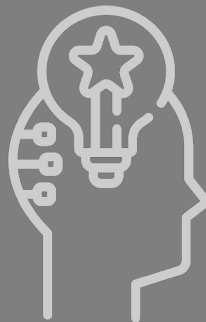
Robots can be programmed to change behaviour based on job flow and speed of operations

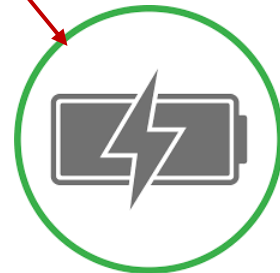
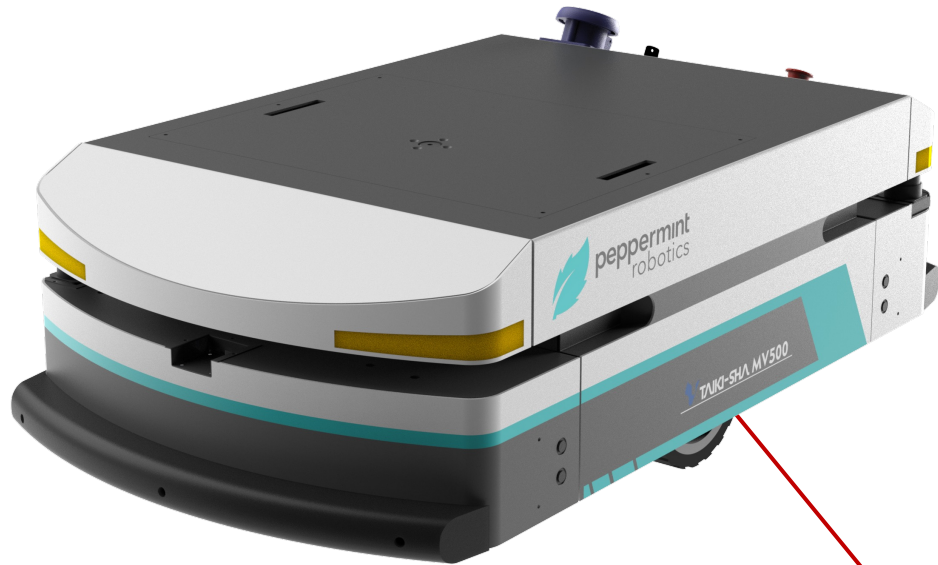


Intelligent Coverage System

Intelligent navigation ensures safe and stable operations

Peppermint Path Planner Software (V2.0) enables planning team to define time + battery consumption in each region, thereby maximising productivity



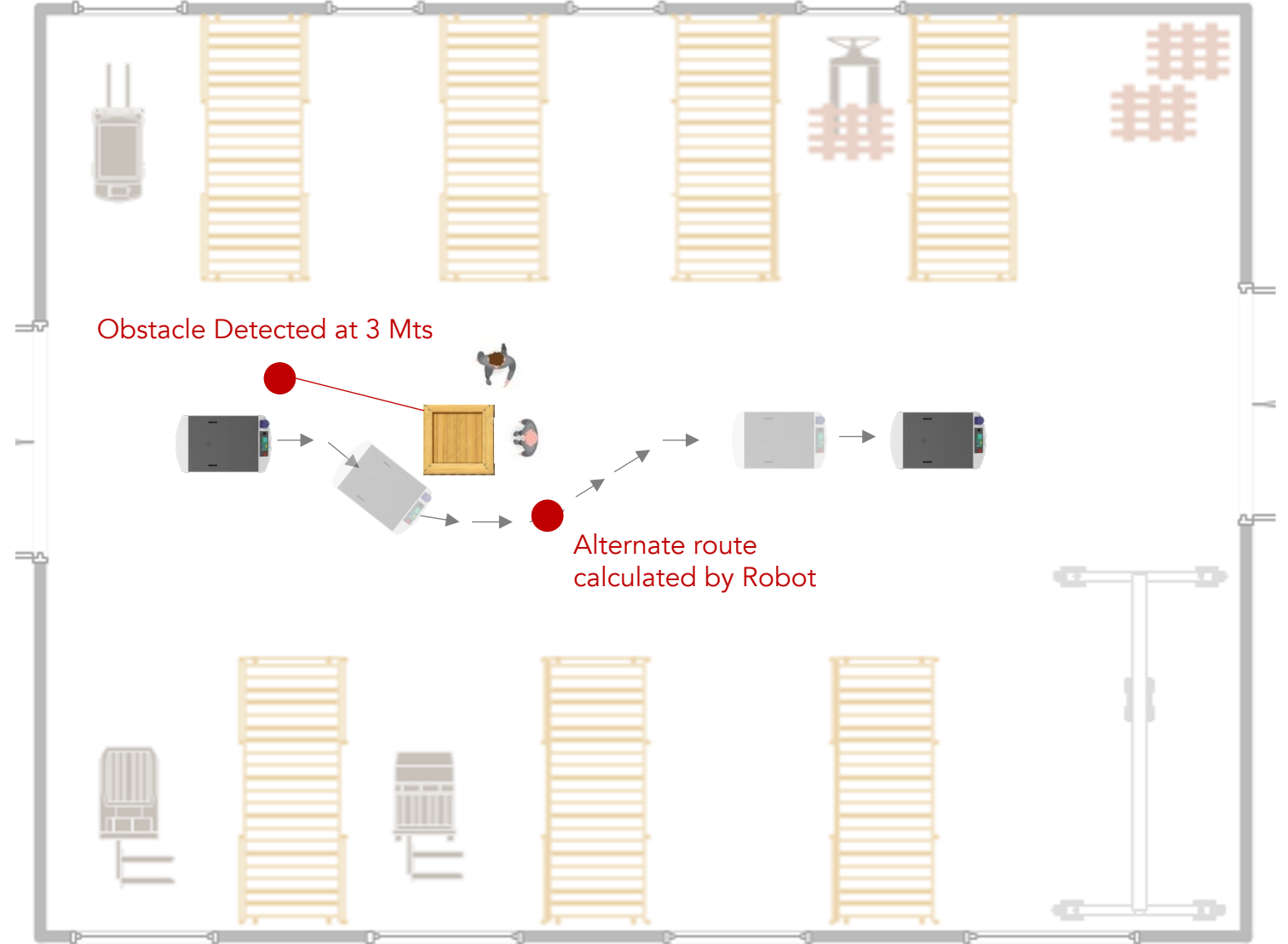


Best in Class Battery Backup

- Upto 8 Hours of battery backup with Peppermint Optional Large Battery
- Seamless charging via Automotive grade DC Charging
- Smart BMS keeps battery health and life in check for upto 1500 cycles

Obstacle Avoidance

- 4 Intelligent Sensors to detect obstacles
- 4 Support Sensors for additional safety
- Robot thinks of optimum alternate route
- Robot adopts an alternate route
- Detects obstacle at 3-5 mts
- Needs less than 2 Mts clearance for avoidance





Multi Modes



- Autonomous Operations
(Without need for Wifi / Internet)



- Remote Controlled Mode with
Peppermint Controller / App



- Manual Operations – via control
buttons on the robot

Easy Touch screen interface + Cloud Connected Dashboard



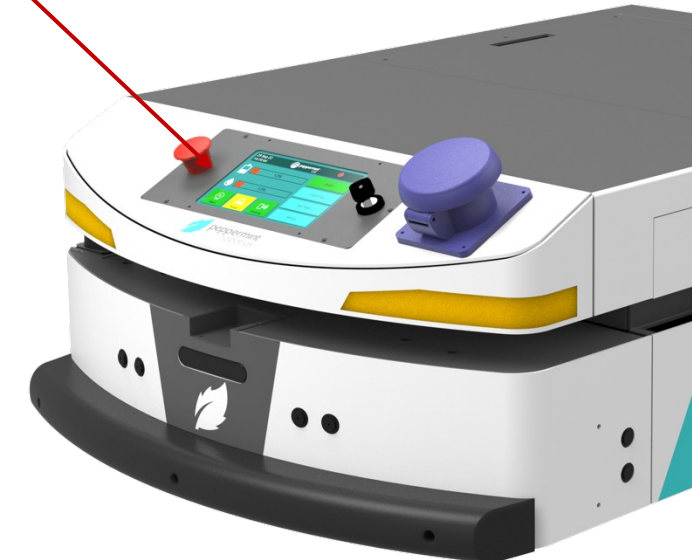
Touch Screen

- Select Zone / Pickup or Drop Locations
- Customize Speed and Conveyor Settings
- Diagnostics and Maintenance Data



- Cloud connected Robot Management Portal
- Check real-time coverage and health of your robot
- Manage multiple robots with a click on your laptop
- 100% Visibility of all your operations

Robot No	Deployed At	Last Updated	In Warranty	Current Status	Actions
SD0451028		19 hours ago	No	ACTIVE	
SD0451001			No	DISSCONNECTED	
SD0451003			No	DISSCONNECTED	
SD0451004		18 hours ago	No	ACTIVE	





Best in Class Safety Features with Customisation

Long range
2D & 3D Lidars

Depth Sensors with $> 200^\circ$ coverage
(Can detect in the dark as well)

Automotive grade Ultrasonic Sensors –
for Glass and sudden obstacle detection

Li-Ion Batteries for performance
through large temperature range

Emergency
Stop Button

Beacon & Buzzer
(For Visual and Audio Alerts)

Customizable
Detection Range

Intelligent Static &
Dynamic sensing



Sustainable & Accountable Operations



Autonomous
Operations
saving 1000s of
Labour Intensive
Manhours



Round the clock
service &
maintenance
support



Analytics & Real
Time Reporting



Best in Class
Battery backup
of upto
8 hours



Saving >
50% of Electricity



Certification
For Robot
Operators



Upskilling
Housekeeping Staff
to Robot
Operators



Peppermint Robots are designed to be easy to Operate, Maintain & Repair

Modular Platform

~90%
Shared
Components

>40%
Reduction in Assembly
& Service TAT

Best in Class
Cost of
Ownership

Efficient Design

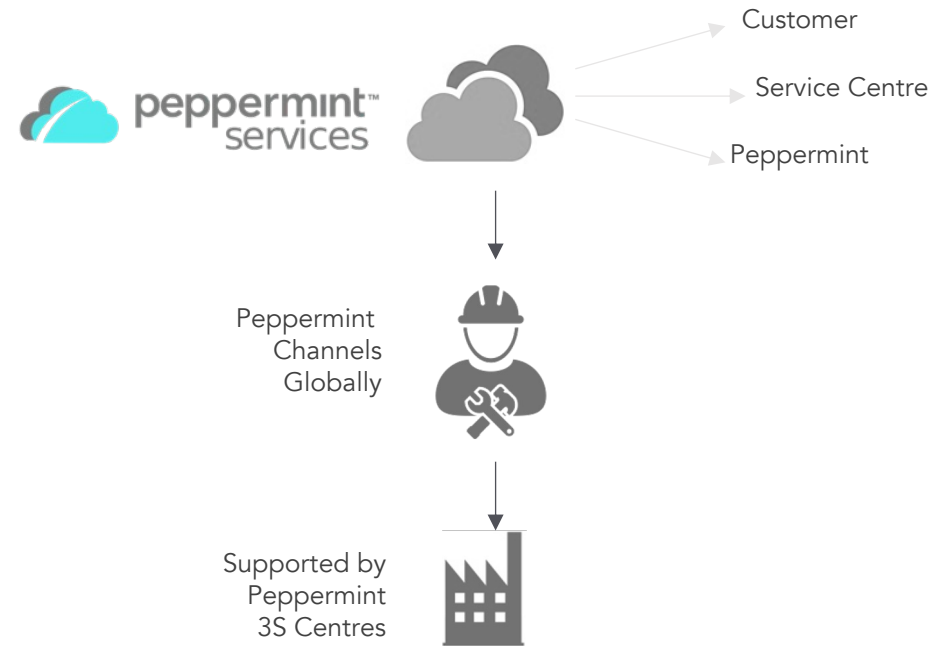


4 Patents

Provisional Approvals received

2 Patents

In Process



Peppermint 3S Centres
(Sales, Service, Spares)



INDIA



MENA
(UAE, Bahrain)



USA



Happy Customers Across the world

MANUFACTURING



PHARMA



COMMERCIAL REAL ESTATE



AVIATION





A Qualcomm & SINE IIT Bombay supported

Authorised Distributor



**Gulf
Worldwide
Distribution** FZE



MO 0253 Jebel Ali Free Zone,
PO Box 261619, Dubai,
United Arab Emirates

Tel: +9714 8814100

Fax: +9714 8814343

Email: sales@gulfworldwide.net

Web: www.gulfworldwide.net

