



# Robonetics Automation Solutions LLP

Robonetics- Innovating Intelligence

Provider of light and small-scale

## Industrial Handling Robots

SLAM (Simultaneous Localization And Mapping)

<https://robonetics.com/>

## Robonetics Automation Solutions LLP

Provider of light and small-scale industrial handling robots



## Robonetics Automation

Provider of light and small-scale  
industrial handling robots

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## Robonetics Automation Solutions LLP

Provider of light and small-scale industrial handling robots

FL Series – Counter  
Balanced AMR Forklift



Payload – 1 to 6 ton  
Lifting Height – 1 to 6 meter

PT Series – Pallet Truck  
AMR



Payload – 1 to 6 ton  
Lifting Height – 1 to 6 meter

Pallet Mover AMR  
Series



Payload – 1 to 1.5 ton  
Lifting Height – 200 mm

### About Robonetics Automation Solutions LLP

#### ROBONETICS AUTOMATION

is dedicated in designing and manufacturing of autonomous mobile robot(AMR) for intralogistics industry. Based on its commitment to innovation and customer-oriented spirit, ROBONETICS AUTOMATION has become one of the few manufacturers that own a complete product line covering all functions needed by intralogistics automation.

#### R&D

Aiming to be one of the leading AMR system integrators, ROBONETICS AUTOMATION has created a strong R&D team led by experts with solid academic background in supply chain.



# Software- Robonetics Automation

Robot Control System

## Global Kanban

Intelligent logistics scheduling platform

The interface style can be customized according to customer's demand



- Instant collection and storage of equipment information like task performance and status of battery for real time
- Inquiry Simultaneous multi-user login and programming in different control terminals
- Fast failure detection followed by automatic task storage and recovery

## Smart Traffic Management

Routes optimization achieved by paths monitoring, task prediction and real time adjustment of traffic control strategy in peak hours based

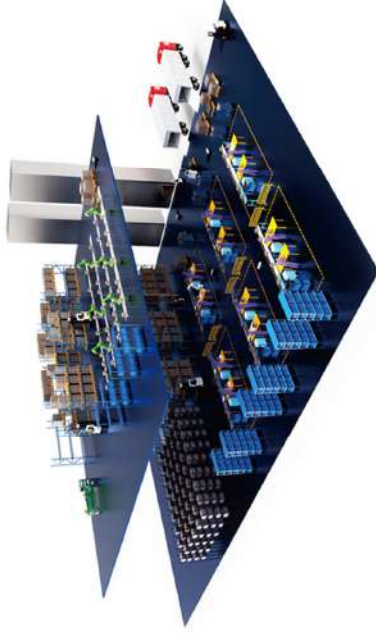


## Intelligent Task Assignment

The first-come-first-served or task prioritization tactics are evaluated based on the principle of resource optimization by analyzing historical data. Actions like automatic standby or task pre-response will follow accordingly.

## Multiple Workspace Management

Comprehensive fleet manager can handle a number of equipment and robot operations in different workspaces



## Peripheral Devices

Stable communications with calling device, charging facility, automatic door, elevator and roller conveyor, etc



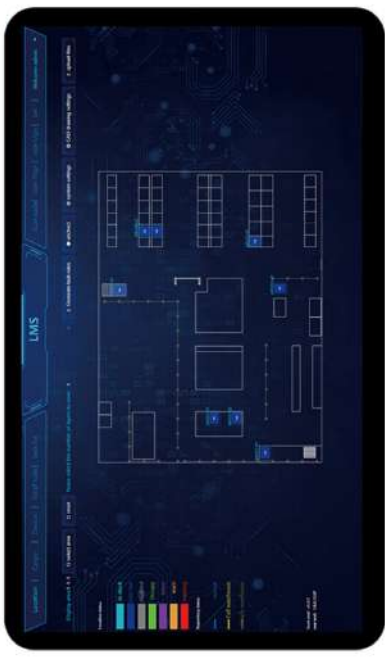




# Software- Robotics Automation

## Customizable User Interface

Location management | Material management | Device connection | Rule list | Task list | Code-scanning | User Management | Role management | Setting | User login

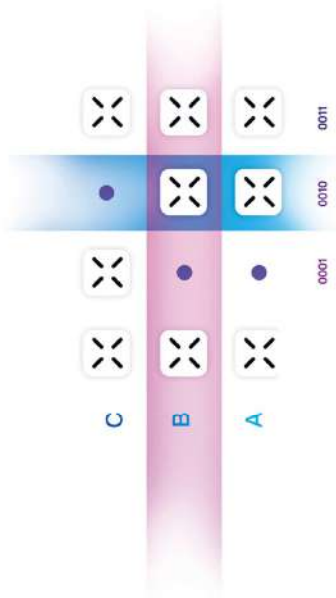


## Multiple Inbound /Outbound Principles

First in first out | First in last out | Random positioning

## Overall Monitoring

Playing a connection role between the upper MES and the lower robot system, the location system keeps an accurate record of the material flow and assigns task to robot system in accordance to the warehouse location conditions



## Software-Solution

### Function Module

- Material container identification
- Pallet identification
- QR code identification
- Reverse positioning
- Safety
- Speed control
- Lifting control
- Emergency alert

