

THE COMPANY PROFILE



IDEASPARQ ROBOTICS SDN. BHD.

(Reg No: 201201041280 [1025758-V])

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Ideasparq
ROBOTICS SDN BHD



INTRODUCTION

Ideasparq Robotics Sdn. Bhd. is a specialist in mobile robotics automation solutions.

We deliver cost reduction and productivity improvement through the deployment of mobile robots across various industries.

Our key products include Automated Guided Vehicles (AGVs) and Autonomous Mobile Robots (AMRs), developed by our homegrown R&D team.

OUR MISSION

At Ideasparq, we are committed to reshaping industries by leading the way in collaborative robotics and technology solutions, aiming to enhance productivity, efficiency and safety.

We aim to empower businesses and institutions with cutting-edge automation, fostering a sustainable future for all.

OUR VISION

We envision to stand as a global leader in robotics and technology, seamlessly integrating automation into various aspects of life. We aspire to catalyse progress, ensuring a sustainable future for everyone.

ABOUT US

Ideasparq Robotics Sdn. Bhd. has the expertise and experience in the manufacturing, installation, integration and support of Autonomous Mobile Robots (AMRs) and robotics technology for our customers.

Established in 2012, Ideasparq Robotics was founded with a vision to create automation solutions through autonomous mobile robots.

Our team is made up of young, passionate minds who specialize in robotics and technology. We are dedicated to making a positive impact on society by providing effective and innovative robotics solutions.

Enhancing efficiency

Robotics does not replace human labour but enhances it.

Advantages of Robotics Technology

Reduces costs in the long run

Increased efficiency and lowers the costs of energy, materials and time.

Does not take leave or on medical

The robot can operate 24/7 without feeling fatigued or bored. This ensures continuous efficiency.



Autonomous Mobile Robot

An Autonomous Mobile Robot (AMR) is a robot that uses advanced sensors, artificial intelligence (AI) and navigation algorithms to move through dynamic environments without human intervention or fixed routes. AMRs can adjust their paths in real time to avoid obstacles and optimize efficiency, making them ideal for tasks such as material handling and indoor transport in industries like manufacturing, logistics, and healthcare.



Automated Guided Robot

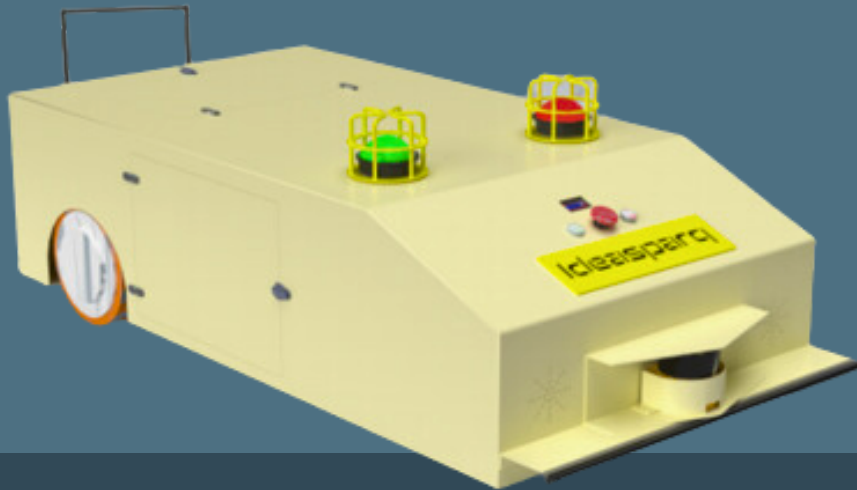
An Automated Guided Vehicle (AGV) is a robot that follows predefined paths or tracks, often using magnetic strips, wires or sensors, to transport materials in controlled environments. Unlike AMRs, AGVs have limited flexibility and cannot navigate freely, making them ideal for repetitive tasks in structured environments such as warehouses and production floors.



OUR INDUSTRIAL PRODUCTS



AGV - AUTOMATED GUIDED VEHICLE



AGV-T1000 / SPARQ 1

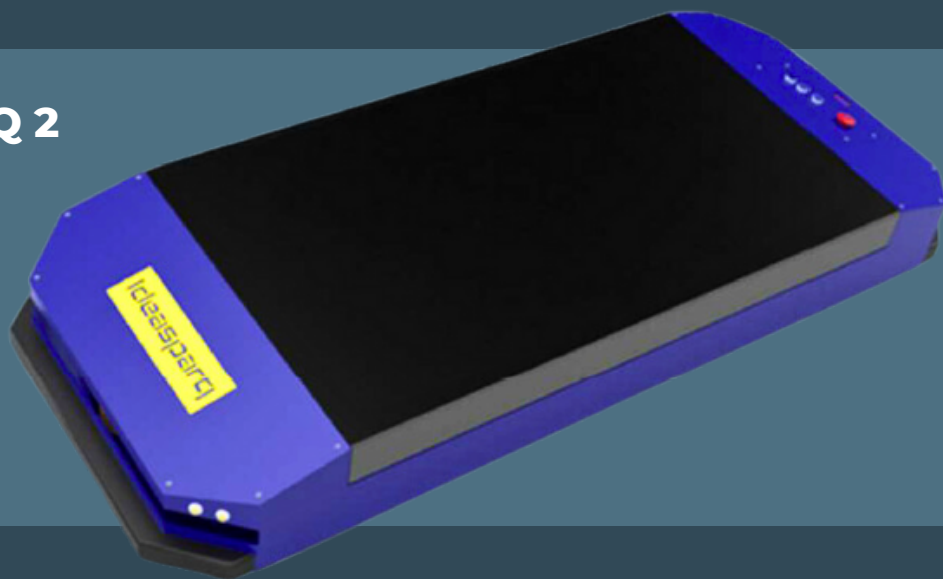
Single Direction

- Low cost
- Towing/pulling type AGV
- Payload up to 1000kg
- Magnetic line guided navigation

AGV-L750 / SPARQ 2

Bi-Direction

- 0 degree turn radius
- Lifting type AGV
- Payload up to 750kg
- Magnetic line guided navigation



AGV-M150 / SPARQ MINI

Single Direction

- Low cost
- Towing/Pulling type AGV
- Very simple and easy to install (DIY)
- Payload up to 150kg
- Magnetic line guided navigation



AMR - AUTONOMOUS MOBILE ROBOT

AX-200 / SPARQ X

Fully Autonomous

- Configurable top attachment
- Payload up to 200kg
- Remote controlled capability



AL-450 / SPARQLIFT

Fully Autonomous

- Lifting type AGV
- Lifting payload up to 450kg
- Remote controlled capability



BLADE - 1 / SPARQ BLADE

Fully Autonomous / Remote Controlled

- AMR Lawn Mower
- Operates up to 4 hours on a single charge
- Remote controlled capability

AMR - AUTONOMOUS MOBILE ROBOT

AFS-40 / AUTONOMOUS FLOOR SCRUBBER

Fully Autonomous

- 40 litre (Clean water) / 50 litre (Wastewater)
- Floor coverage 10,000 sqft
- Functions : Mop, sweep, scrub & vacuum
- Take over capability



AX-D3 / DELIVERY BOT

Fully Autonomous

- Configurable to 2 or 3 tier levels
- Payload up to 5kg / tray
- Remote controlled capability

OUR PRODUCTS - SYSTEM

AUTONOMOUS ROBOT MANAGEMENT SYSTEMS (A.R.M.S.)

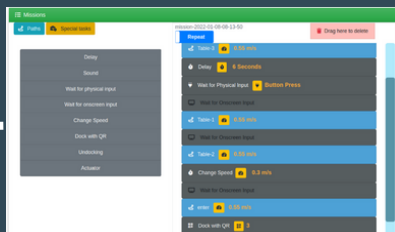


A software platform or framework that enables centralized control, coordination and monitoring of autonomous robots or robotic systems, featuring a user-friendly, touch-based interface.

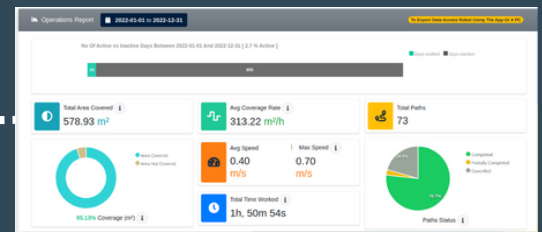
It provides an efficient way to manage the deployment of robotic resources across various applications and environments.



MAPPING & NAVIGATION



MISSION SETTING



USAGE LOG/REPORT

OUR SERVICES



SITE VISIT & PROJECT CONSULTANCY

Upon request, our team will conduct a site visit, provide expert advice and prepare project proposals specifically tailored to your needs.



DESIGN & DEVELOPMENT

We will manage your project through every step :

- 1.Design
- 2.Fabrication
- 3.Delivery
- 4.Installation
- 5.Commissioning



AFTER SALES PARTS & SERVICES

We will continue to provide spare parts and after-sales services to ensure our products continue to serve you well.



SOME OF OUR HAPPY CLIENTS



Automotive

smiths
detection



PERODUA

Autokeen MARii

Manufacturing

Panasonic

AIR CONDITIONING



NAITO ASIA



KONICA MINOLTA



SETSU
PRECISION TECHNOLOGY (M) SDN BHD



GRAND CARPET
INDUSTRIES SDN BHD

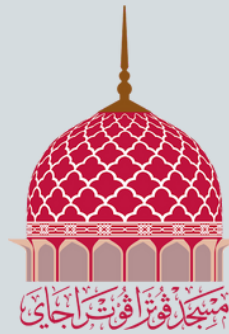
Warehouses

watsons

Healthcare Facilities

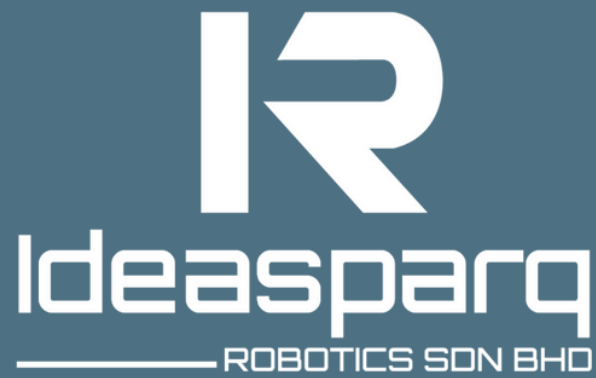


Mosques



Municipal Councils





VISIT OUR SOCIAL MEDIA



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