Powering robots of tomorrow, today.

Healthcare

Unitech

SIIX-AGT

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Ideasparq ROBOTICS

CITY ROBOTICS

INFOCOMM MEDIA DEVELOPMENT AUTHORITY

Services

df AUTOMATION & ROBOTICS

SEGWAY

Industrial

PBA GROUP

CEI

Construction

BCA

MOVEL AI

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MOVEL AI

About Us

Movel AI delivers human-like precision and movements to robots; combining sensor fusion, vision and machine learning & artificial intelligence technologies. Saving a lot of your precious time and money.

Robust
Uses computer vision to understand 3D surroundings, enabling robots to reliably run in complex environments.

Accuracy
AI-enabled technology delivers performance in terms of localization and navigation at par human level.

Hardware agnostic
Use Seirios on any device. No additional hardware required.

Onboard computation
The software is running onboard of the robot, eliminating any risk of latency.

Reduce cost
Sensor fusion, algorithm enabled high accuracy navigation system at a lower cost.

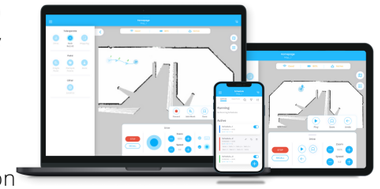
Save time
Cut down on deployment time and deployment process by providing a ready to use solution.

Versatile
Use Seirios on any robots of any shapes and sizes*.

Seirios

Bringing intelligence to robots
through a smart navigation solution

Seirios RNS
Uses computer vision to understand 3D surroundings, enabling robots to reliably run in complex environments.



| Mapping | Path Recording
| Teleoperation | Coverage Planner
| Localisation | Single point Navigation
| Task Manager | Multi point Navigation

Seirios Simple
Seirios simple with an easy user interface enables everyone, even with no technical skill to navigate and control robots within a few clicks.

| Manual Controls
| Instant Task Execution
| Queueing & Scheduling

Seirios FMS
In large, busy and dynamic environments, multiple robots may be required to get tasks done. With a fleet management system (FMS), multiple robots can be viewed and managed simultaneously.

| Lane Management
| Task Delegation
| Robot Management

Software Requirements

A PC with i5 processor (or 2-core, 4 threads CPU @ 2.4 GHz minimum)
8GB DDR4 RAM
127GB Solid State Drive (SSD)
Ubuntu 20.04 operating system
Internet connectivity (WiFi dongle or embedded WiFi antenna)

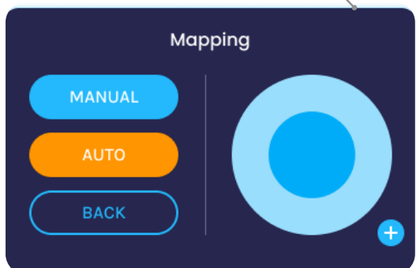
Licensing

	Base Price	License Price / Robot
Seirios RNS	-	**SGD$ 3.000**
Seirios Simple**	-	**SGD$ 500**
Seirios FMS**	**SGD$ 10.000**	**SGD$ 1.000**

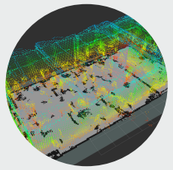
**Pre-requisite- SeiriOS RNS

Easy integration from web based system

Sleek User Interface



Feature Recognition
Extracts prominent feature points from robot's camera view, shown as green circles. All these feature points are stored in a 3D map.



Semantic Understanding
Human & object detection and recognition of objects (type, size and shape)