

VHub ROS

A United Solution with AI and Robotic Control Functions
that Accelerate Your AMR Applications.



Vecow

VHub
ROBOTIC OS

intel
partner
Gold

intel
RFP
READY

VHUB SMART SOLUTIONS

The Future of Human-machine Collaboration : AMR

VHub ROS

Since labor cost is increasing in various industries recently, the market is seeking human-machine collaboration solutions to complete more tasks with limited resources. Industries such as logistics, hospitality, retailing, banking, and manufacturing have extensively adopted automatic robots to optimize performance on the shop floor. Vecow's VHub ROS solution is a turnkey solution which includes high performance AI-oriented industrial computers and Perception SDK to fulfill development efficiency and faster time-to-market in various verticals.



In Automatic Mobile Robot World, VHub ROS can Help.

VHub ROS solution helps you enter the AMR market with a low cost and learning curve. With the fully integrated development framework, you will enjoy the benefits of up to 30% reduction in AI training time, 3x faster deployment time, and 4 simultaneous AI models to accelerate your engineering process.



Abundant Development Tool



Faster Time-to-Market

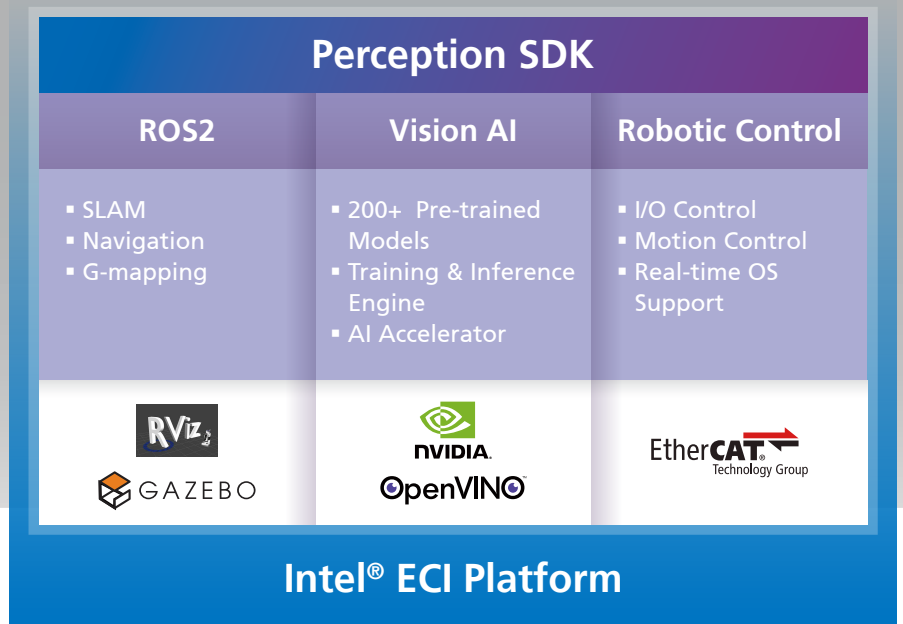


Low Total Cost of Ownership

Perception SDK

Robust Foundation Empowers your AMR Applications

Vecow's Perception SDK is a fully integrated software package that contains ROS2, Vision AI, and Robotic Control functions stacks. The reliable development environment based on Intel® Edge Control for Industrial Platform empowers the possibility to save your times on software integration and verification while developing applications onto the platform.

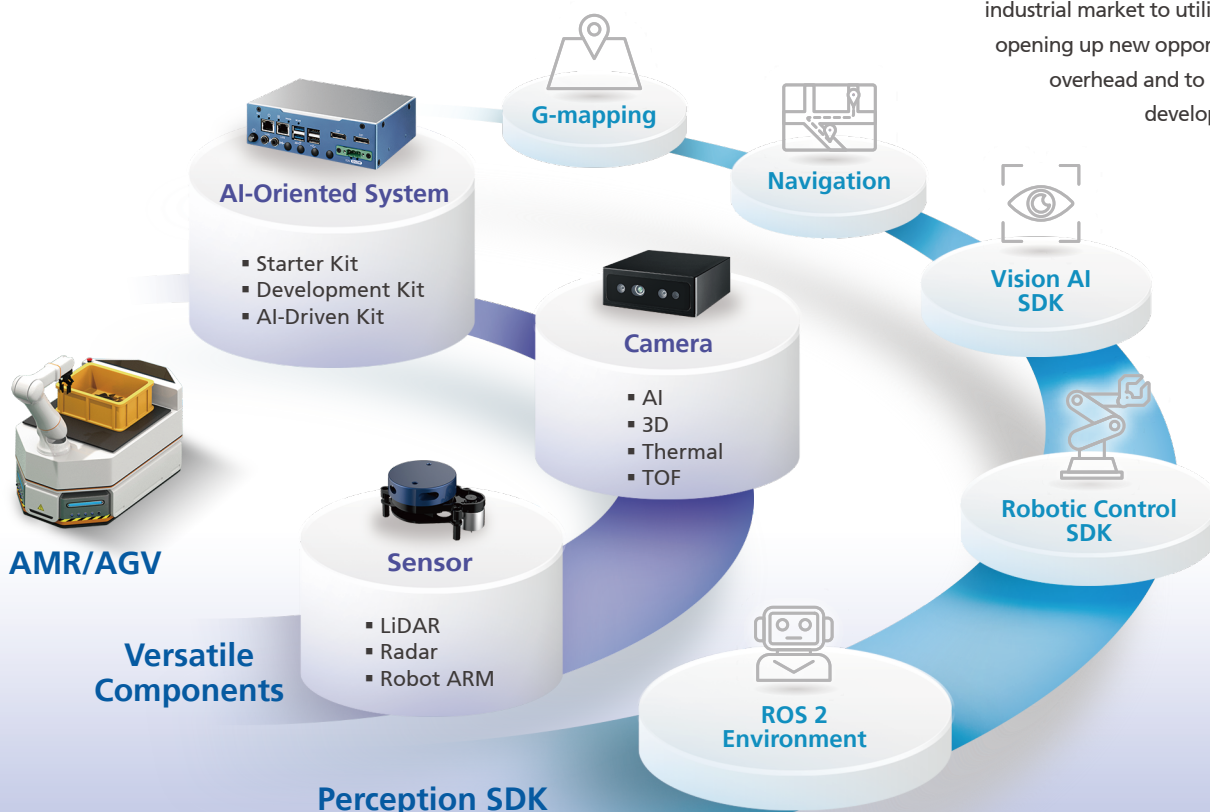


VHub ROS Development Kit

Speeding Time-to-Market with a Complete Ecosystem

VHub ROS Development Kit is a united solution for customers who require robust and reliable one-stop service in AMR/AGV applications. The service ecosystem includes the support of computing system, sensors, software as well as the commercial-grade solution from Vecow's verified partners. The turnkey solution makes it possible at less cost and time-efficient during the deployment process. VHub ROS solution

ultimately allows greater segments of the industrial market to utilize the resources, opening up new opportunities to lower overhead and to improve product development efficiency.



AI-Oriented Systems

Starter Kit



VHR SPC-7000 Series

- ROS Development Kit Perception SDK inside
- 11th Gen Intel® Core™ i7/i5 Processor
- DDR4 16GB Memory, 256GB SSD
- 2 USB 3.1, 2 USB 2.0, 2 GigE LAN
- DC 9V to 55V

Development Kit

VHR ABP-3000 Series

- ROS Development Kit Perception SDK inside
- 8th Gen Intel® Core™ i7/i3 Processor
- DDR4 16GB Memory, 256GB SSD
- 4 GigE LAN with 2 PoE+
- DC 9V to 50V



AI-Driven Kit



VHR ECX-2200 PEG Series

- ROS Development Kit Perception SDK inside
- 10th Gen Intel® Core™ i7/i5 Processor
- 1 PCIe expansion slots support VPUs GPUs
- DDR4 32GB Memory, 256GB SSD
- 6 GigE LAN with 4 PoE+
- DC 12V to 50V

Advanced Services

ROS/ROS2 Project Consultation



ROS/ROS2
Concept



Deep
Learning



ODM



Hardware
Customization

