

AMR solution for efficient warehouse operation

LG CLOi™ CarryBot



LG CLOi™ CarryBot

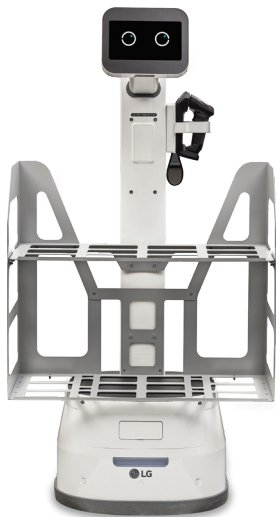
AMR solution
for efficient
warehouse operation

LG CLOi CarryBot supports warehouse operation for improved efficiency and productivity, with optimized solutions for various customer needs.

Warehouse Automation by LG CLOi CarryBot

- LG Autonomous Mobile Robot (AMR) can support the operator by indicating which items need to be picked and by delivering the items end-to-end while the operator can stay in the assigned zone only
- Operator can perform the required level of work without having extensive job experience
- Flexible for changes in the work environment and work protocol
- Capable of running in a 24-hour operation when using multiple AMRs

Mounting Type



Rolltainer Type

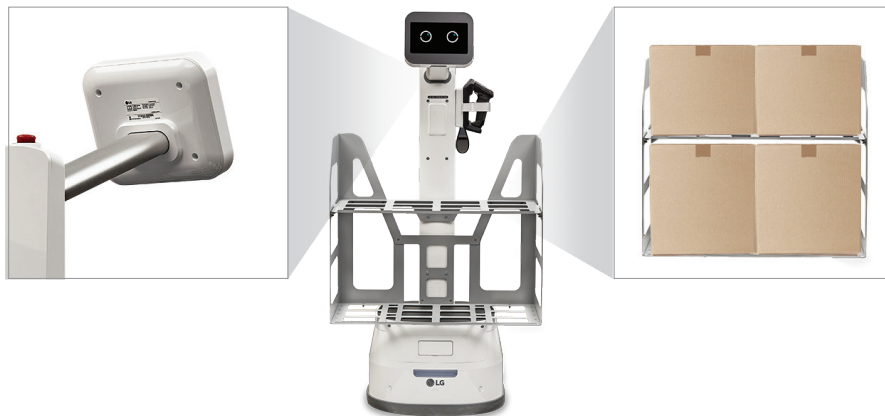
Why LG CLOi™ CarryBot?

User-friendly Design

LG CarryBot is **the optimal partner** for your work environment

User-friendly hardware design provides enhanced operator convenience and productivity (eg. Optimized display position and mounting shelf size)

Productivity	↑
Work efficiency	↑
(ex : reduced operator-training time and paperless instructions)	
Flow of operator traffic	↓
Job complexity	↓

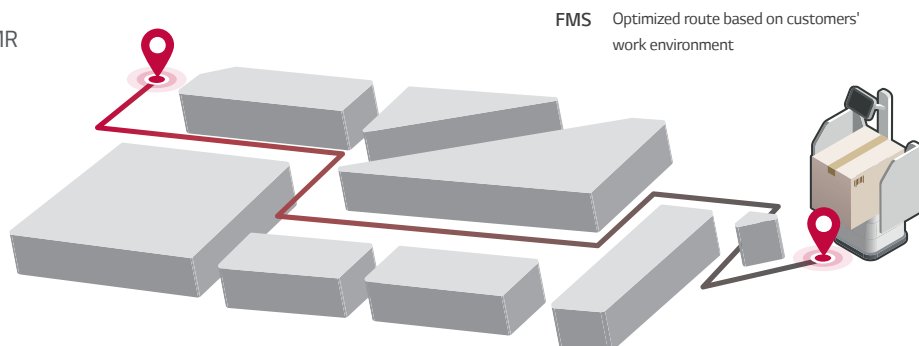


Optimized Driving Solution

LG CarryBot **supports efficient warehouse operation**

LG AMR driving algorithm with the Fleet Management System (FMS) enable the AMR to set the fastest route to the destination

Productivity	↑
Work efficiency	↑
Lead time	↓
Job complexity	↓



Smart Order Grouping

LG CarryBot helps improve **work efficiency and productivity**

LG Material Control System (MCS) supports efficient AMR operation by optimizing order distribution and scheduling

Productivity	↑
Work efficiency	↑
Lead time	↓
Job complexity	↓

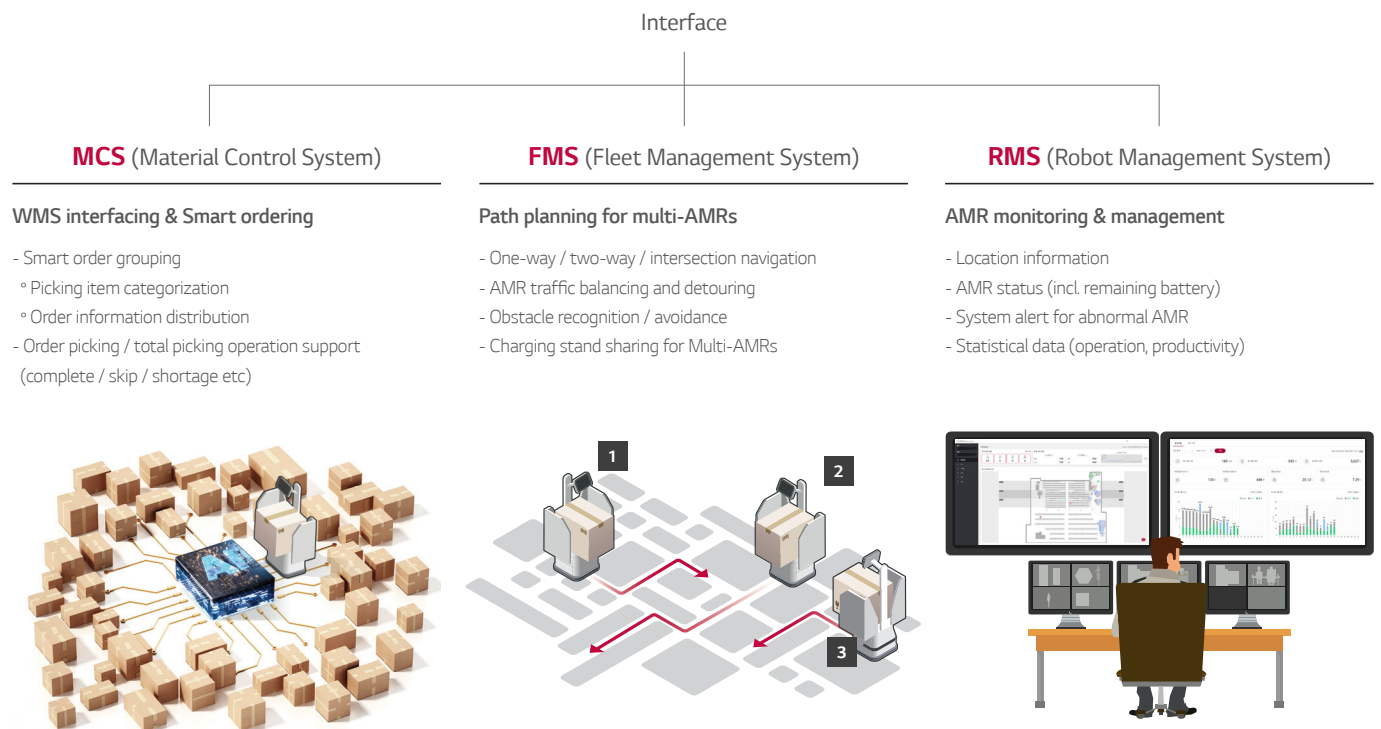


For ease of use, CarryBot provides simple and clear work steps through smart order grouping.



LG CLOi™ CarryBot Solution

WMS (Warehouse Management System)

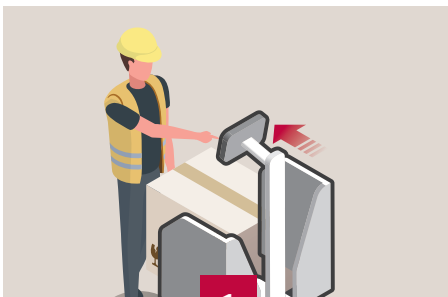
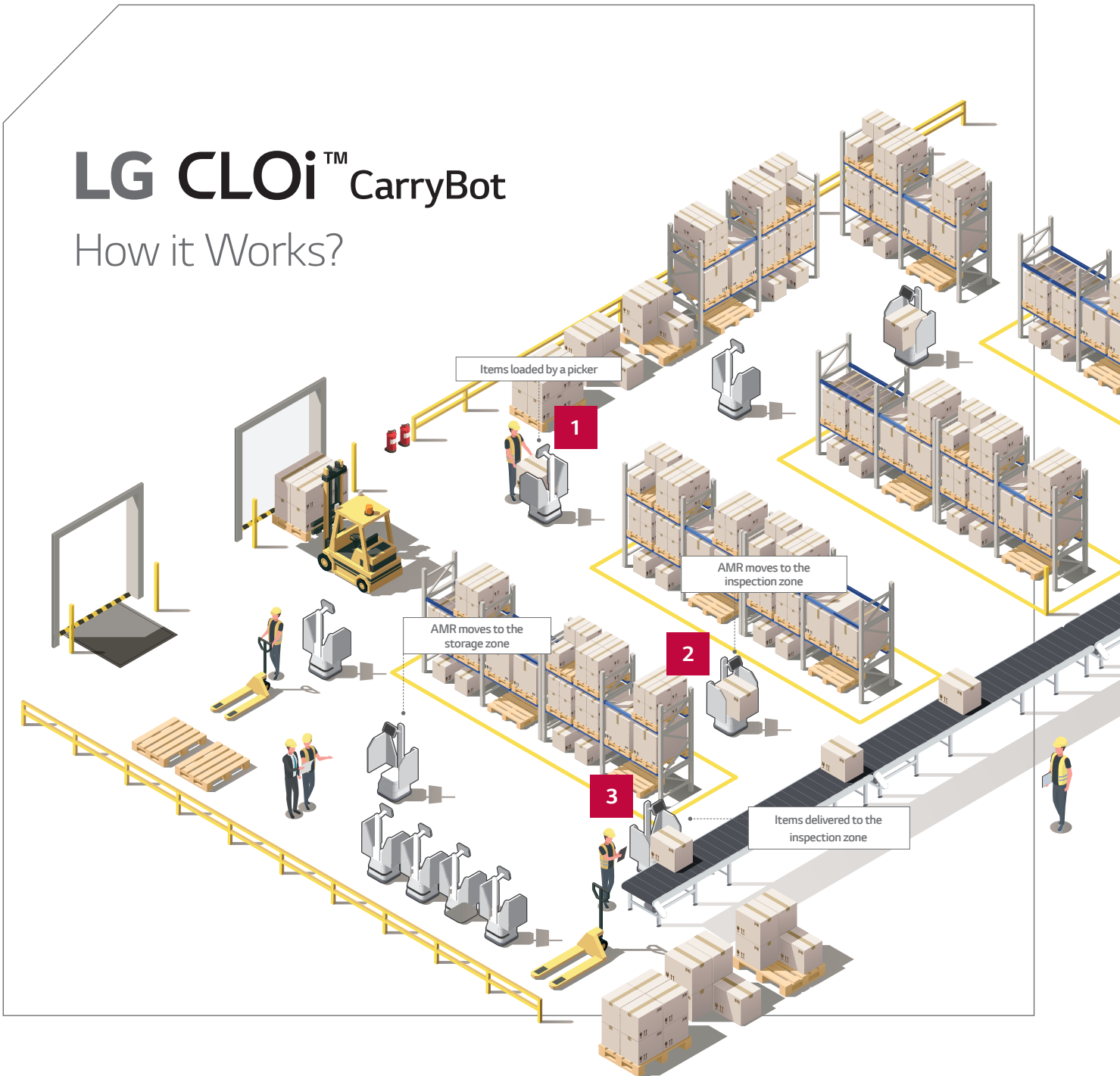


LG CLOi™ CarryBot Specification

	Mounting Type	Rolltainer Type
Product		
Payload	30 kg (66 lb)	40 kg (88 lb)
AMR Dimension (W x D x H)	510 x 510 x 1,480 mm (20 x 20 x 58 inch)	510 x 510 x 1,340 mm (20 x 20 x 53 inch)
AMR Shelf / Rolltainer Dimension	760 x 417 x 657 mm (30 x 16.5 x 26 inch)	1,000 x 612 x 1,262 mm (39.5 x 24 x 50 inch)
Display	Touch LCD (9.2")	
Charging	25 Ah x 2	
Speed (max.)	1.2 m/s	
Sensor	ToF (Time of Flight) / LiDAR / RGBD Camera / Magnet	
Charging Time	6 hour / Auto Charging	
Continuous Operating Time	Typ: 18hr 30 min depending on usage.	
Connectivity	Wi-Fi (11 a/b/g/n)	

LG CLOi™ CarryBot

How it Works?

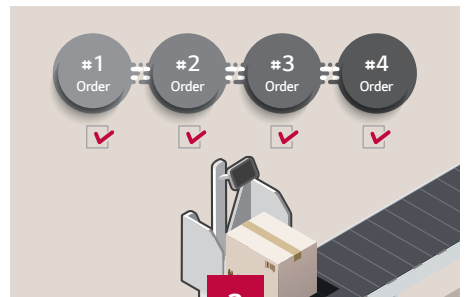


User Friendly Design

AMR hardware design is optimized for easy and efficient operation

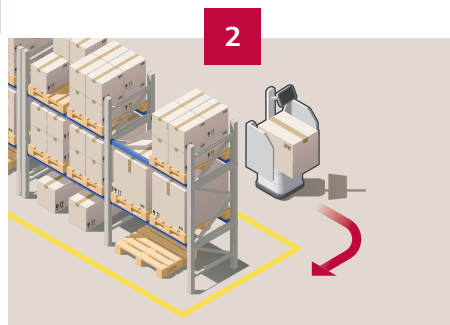
Optimized Driving Solution

Enables AMRs to determine the fastest driving route to the destination based on the assigned job order and traffic of other AMR units



Smart Order Grouping

Optimized order distribution and scheduling helps improve productivity





lgsolutions.com

Copyright 2022 ©LG Electronics USA, Inc., 2000 Millbrook Drive Lincolnshire, IL 60069, USA. All rights reserved. LG and the LG logo are registered trademarks of LG Corp. All other products and brand names are trademarks or registered trademarks of their respective companies. Designs, features, and specifications are subject to change without notice. Prices, promotions, and availability may vary by dealer. All screen images are simulated.
CAT_CLOi_CarryBot_032314_LR