

# L.LINE AMR INTRODUCTION

L.LINE AMR (Autonomous Mobile Robot) Product Introduction



## L.LINE

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L.LINE

L.LINE will lead innovation in the e-Mobility industry as a Global Engineering company.  
We will create high value through technological expertise, customer-tailored solutions, and high quality.

INFORMATION

Company	L.LINE Co., Ltd	Certification and Awards	<ul style="list-style-type: none"><li>• Incorporated 2023</li><li>• Venture certified, ISO9001, ISO14001</li><li>• IATF 16949, Technology certification T-3 level</li><li>• 2022 LS e-MS 1st Tier mass production partner for BDU</li><li>• 2021 Samsung Electronics partner registration</li></ul>
Established	April 4th, 2014 (Incorporated in 2023)		
CEO	Jin Hyung, Kim		
Revenue	\$6.5Mil USD		
Employees	45		

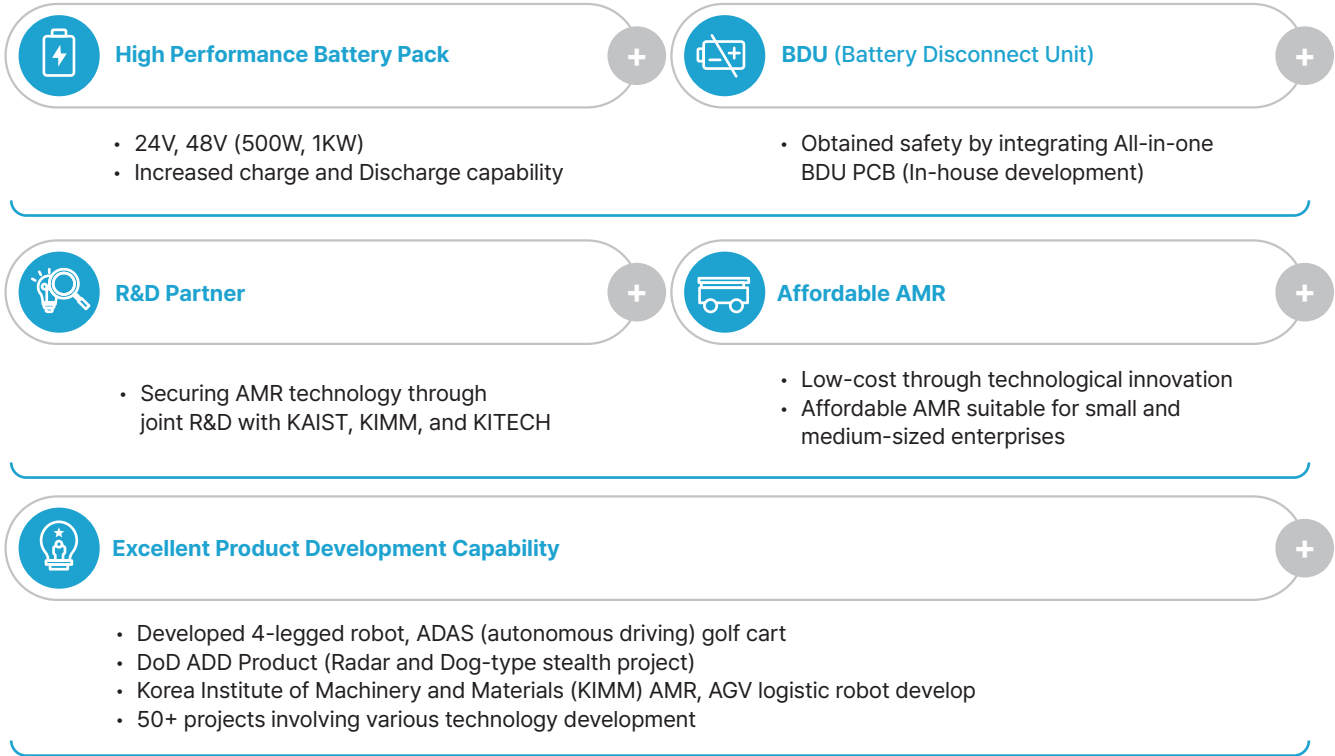
Major Clients



R&D Partner



AMR COMPETITIVENESS



L.LINE is leading industrial innovation for e-Mobility.

L.LINE's AMR is already being used in industrial sites, and through close partnership, it is being jointly developed by incorporating feedback from onsite users.

L.LINE is a leader in AMR services targeted at small and medium-sized enterprises.

PRODUCT OVERVIEW

Size(LxWx H)	Load capacity	Product Weight	Movement Speed	Battery Specifications	Operating Time
600X400X375(mm)	200Kg	65Kg	1,2m/s (recommended)	25.9v 40Ah, 1KW	8 hours (with maximum load)
Safety features	· Robot emergency stop switch · Remote emergency stop · Capable to detect moving obstacles over 20cm high				
Sensor	· 2D Lidar · Floor line detecting camera · Front camera(depth recognition)				

DIFFERENCE POINT

Category	Competitor	L.LINE	Results
Design (Internal Structure)	Complicated production process, labor intensive	Single PCB for optimized weight and space	26% lighter than competitors 20% lower production cost Minimized A/S cost
H/W (Parts, Battery)	BMS, PDU, BDU separately produced battery pack	Battery Pack with e-Fuse application, Power supply stabilization	Robot Battery Pack (Increased productivity by 20%, manufacturing costs by 30%)
S/W (Mgt. System)	Logic based command and requires SI with existing system	Increased usability (UI/UX) for simply commands through PC/Table/Mobile	Does not require SI, Simple device management

PRODUCT COMPOSITION

Hardware(AMR)		Battery Pack(Replaceable)	
	· Single PCB for Optimized weight/size		· e-Fuse applied PCB · Stable power supply · Simplified battery pack
Software(Feel Management)		Charge Station	
	· PC/Mobile · Fleet management system · provided		· Applied e-fuse PCB · Provides stable power supply