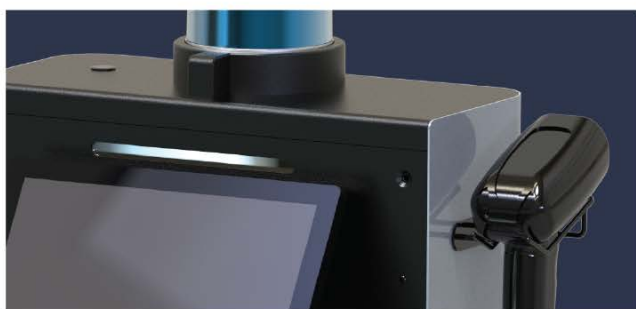


TWINNY COMPANY INTRODUCTION



2026



Dual Autonomy,
Unified Goal

Here at TWINNY, we pursue two forms of autonomy.
First, the world-class autonomous mobile robots capable of navigating wide and complex spaces with precision.
Second, a culture of organizational autonomy that empowers creative individuals to perform at their best.

Like twins—similar, yet distinct—these two autonomies move toward a single goal: **Reducing human burden and increasing freedom.**

With unrivaled autonomous driving technology and intelligent service platforms, TWINNY is delivering the convenience of autonomy across logistics centers, factories, apartment complexes, and urban environments.

As we continue our mission to build a safer and more efficient world, TWINNY is committed to bold innovation—charting the optimal path forward through difference.

Co-CEOs
Hongseok Cheon & Yeongseok Cheon

CEO
Hongseok Cheon



Chief of R&D

- 2000 - 2005 Bachelor of Electricity, Battery and Radio Engineering, Korea University
- 2005 - 2007 Masters, KAIST Graduate School of Electrical and Electronic Engineering
- 2007 - 2019 Ph.D. KAIST Graduate School of Electrical and Electronic Engineering
- 2022 Commendation, Deputy Prime Minister and Minister of Strategy and Finance
- 2022 Prime Minister’s Commendation - Contribution to Science and Technology Promotion



- 2000 - 2005 Bachelor of Business Administration, Korea University
- 2007 - 2015 Small and Medium Venture Business Corporation
- 2022 Presidential Commendation
- Small and Medium Business Merit

CEO
Yeongseok Cheon



Chief Operating Executive

History

	2015 Corporation Established
2017	Venture Business Certification No.20170400365, 20190401246, 2010507010034 Registered as an Industrial Design Specialized Company No.07014 Innovation Award for SMEs & Mid-sized Companies Technology Innovation Category TWINNY Co., Ltd.
2018	Established an AI Robotics Research Lab Certified as a Strong SME by the Ministry of Employment and Labor Selected in 2018 and 2020-2022 Selected as an Employment Excellence Company by Daejeon City Certified as a Promising SME by Daejeon City
2019	Youth-Friendly Strong Company by the Ministry of Employment and Labor Selected consecutively since 2019 Selected as a 2019 Design Innovation Promising Company Daejeon Women-Friendly Company Selected consecutively since 2019 ICT Innovation Technology Mentoring Minister's Award CEO Hongseok Cheon Certified Family-Friendly Company by the Ministry of Gender Equality and Family Selected consecutively since 2019
2020	Selected as a 2019 DNA Innovation Company by MSIT and NIA Certified as a Management-Innovation SME(Main-Biz) Named a Global IP Star Company Certified Work-Life Balance Company Selected consecutively since 2020 Selected as a Baby Unicorn by the Ministry of SMEs and Startups CMMI Level 3 Certified

2020	Ministry of Trade, Industry and Energy – Machinery & Robotics Industry Award Minister's Award CEO Hongseok Cheon MOTIE R-BIZ Challenge Presidential Award TWINNY Co., Ltd. National Innovation Company by the Ministry of SMEs and Startups Selected as one of the National Champions 1000 Established an Employee Stock Ownership Association Korea Robot Company of the Year – Robot News Selected consecutively since 2020 26th Daejeon Economy & Science Award Venture Company Category CEO Hongseok Cheon 2020 Promising Technology Commercialization by KIRIA 1st Place in Mock Crowdfunding
2021	Certified IP Management Company by KIPO Selected as a Talent-Development SME by the Ministry of SMEs and Startups Selected for AI+X Top 100 by the Intelligent Information Industry Association Asia-Pacific High-Growth Companies 500 Ranked 101st among 500 by the Financial Times(UK) Selected as a Preliminary Unicorn by MSS Korea SME & Startup Awards Venture Business Association Chairman's Award CEO Youngseok Cheon Korea Logistics Award by the Ministry of Land, Infrastructure and Transport Minister's Award TWINNY Co., Ltd. Industrial Technology Convergence BM Challenge(I-CONTEST) 1st Place in the Robotics Category Selected as an Excellent Workplace Innovation Company(Grade S) Certified Inno-Biz(Technology-Innovation SME) Technology Innovation Merit by MSS Minister's Award CEO Hongseok Cheon 1st Place in the HOBAN Group Innovation Technology Competition

2021	ICT Convergence Contribution Award by MSIT Minister's Award Director Jaesung Kim
2022	Acquired ISO 13482 Certification AMR+Target Following Robot DualGo Registered as a Specialized R&D Business No. 20223295 Korea New Deal Merit by the Ministry of Economy and Finance Minister's Award CEO Hongseok Cheon Impact Tech Award by MSIT Minister's Award TWINNY Co., Ltd., JalTarGo Science & Technology Promotion Merit by MSIT Prime Minister's Award CEO Hongseok Cheon SME Merit by the Ministry of SMEs and Startups Presidential Award CEO Youngseok Cheon Korea Startup Culture Award – KCCI Chairman's Award TWINNY Co., Ltd. 4th Industrial Revolution Award by MSIT Korea Post Service Award TWINNY Co., Ltd. Korea ICT Award by MSIT Minister's Award TWINNY Co., Ltd.
2023	Launch of NarGo Order Picking 2023 Korea 4th Industrial Revolution Leading Company Award – Money Today 18th Robot Award Merit by MOTIE Minister's Commendation Director Taehyung Kim 2023 SME Management Innovation Competition Encouragement Award by Korea Association of Management Innovation SMEs TWINNY 2023 ICT Patent Management Award – KIAT Commissioner of KIPO Commendation TWINNY Daejeon D-Unicorn Entrepreneurs' Day Mayor's Commendation TWINNY Daedeok Innopolis Venture Association – Daejeon SME & Startup Day Mayor's Appreciation Plaque Director Jaehun Lee Exemplary SME Merit – Daejeon-Sejong MSS Office Minister of SMEs and Startups Commendation Director Hyungchul Moon Selected as Korea Robot Company of the Year 2023 – Robot News

2024	2024 E-Commerce Pitching Festa Grand Prize – KEA(Korea Electronics Association) Acquired ISO 9001 Quality Management Certification G-CERTI(GCT-3192-QC) Issued Inno-Biz(Technology-Innovation SME) Certification No.210503-02024, Ministry of SMEs and Startups FIX 2024 Innovation Awards Daegu City – Best Innovation in Robotics Selected as an Excellent Employee Invention Compensation Company No.2024-00468, KIPO 2024 SME Technology & Management Innovation Expo Minister of SMEs and Startups Commendation – Win Cooperation Foundation D-Unicorn Entrepreneurs' Day Mayor's Appreciation Plaque 2024 New Technology Transaction Networking Day Chairman's Award – Korea Technology Exchange Association 2024 Patent-Driven R&D Conference Excellence Award – Korea Institute of Patent Strategy & Development Selected as Korea Robot Company of the Year 2024 – Robot News
2025	Developed and Launched the TCS Factory Automation Solution 2025 Future Mobility Award Excellence Award – Seoul Mobility Show Organizing Committee Merit Award for Invention Promotion No.19834, MSS Director Jaehun Lee Signed an MOU with Kurly for Logistics Automation Services Exploring Robotic Business Collaboration with Hurim Robotics Selected for Ministry of National Defense Pilot Use of Excellent Commercial Products NarGo 9th Digital Future Innovation Award No.2025-149 NarGo Order Picking

Mission · Vision

Giving Sweets,
Taking Sweats
through Autonomous
Driving Technology

MISSION

VISION

The Convenience of
Autonomous Driving
Anytime, Anywhere

CORE
VALUE

Professional
Responsibility

We pursue an attitude
of fulfilling responsibility
according to freedom and
authority.

Reasonable
Horizontality

Regardless of position or age,
we aim for a culture where better
opinions are empowered.

Goal-driven
Autonomy

While finding ways to achieve
the best performance, we create
a healthy autonomous culture
in harmony with the team's goals.

Technical Patents

As of August 2025

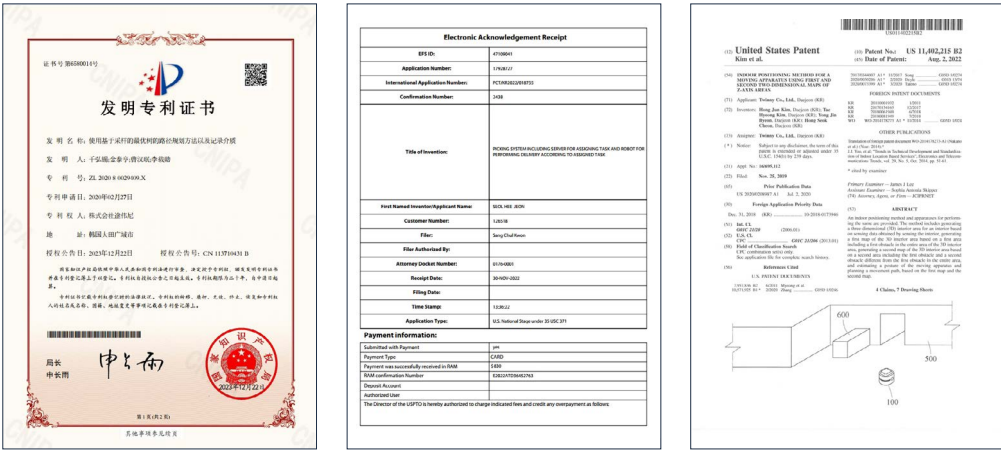


Domestic Patents

63 registered
31 pending

International Patents

11 registered (USA 9)
19 pending (+PCT 36)



Domestic
Trademarks

38 registered
26 pending

International
Trademarks

5 registered (Madrid System 2)
5 pending

Domestic Design
Registrations

22 registered
8 pending

Copyrights

7 registered

An autonomous robot system optimized to streamline and enhance the efficiency of order picking tasks.

NarGo Order Picking

No Infrastructure Required

Can be deployed immediately without additional infrastructure setup, ensuring seamless application in existing facilities.

64.4% Reduction in Labor Costs

Introducing a single robot reduces labor and consumable costs by approximately 64.4%.

Efficient Logistics Center Operation

Minimizes redundancy, omissions, and mispicks, resulting in cost savings and improved operational efficiency.



TWINNY Total Picking,
Multi-Order Picking Solution

Use Cases

STL



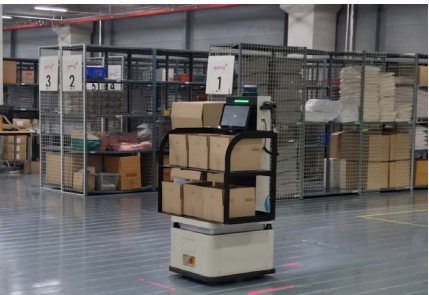
YONGMA LOGIS



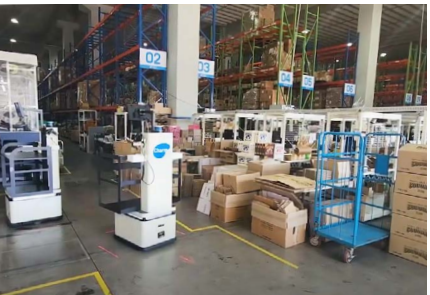
PICO Innovation



Agabang&Company



Charm Logistics



STL
START TODAY

YONGMA LOGIS

PICO Innovation

AGABANG & COMPANY
아가방앤컴퍼니

Charm
참물류

DN SOLUTIONS

Kurly Nextmile

빅커피
COFFEE

Grouping

Ohyun Logistics

TWINNY's latest model, engineered for full customization to suit the operational conditions of industrial sites.

NarGo Factory



Basic Type



Trolley Type



3D Sensor Type



Robot Arm Type

Increased Productivity

Enhanced operational efficiency and accuracy enable 24/7 operation and faster task execution.

Reduced Operating Costs

Robots handle repetitive tasks, minimizing labor costs and eliminating the need for workforce management.

Improved Workplace Safety

Replaces the manual transport of heavy loads (up to 300 kg), reducing the risk of workplace accidents.

Factory Automation Software for Everyone.
Simple to Develop. Easy to Operate. Ready to Deploy.

TCS

Reduced Development and Operational Costs

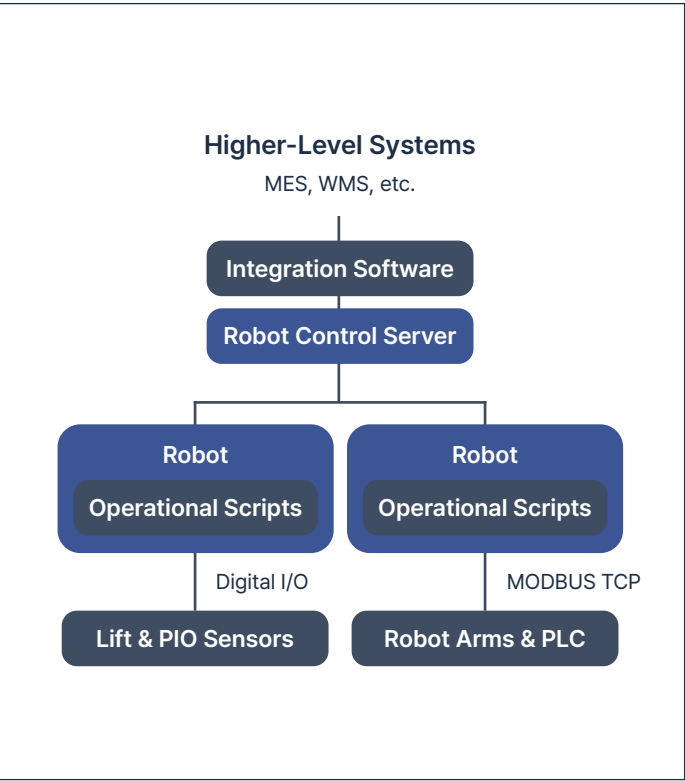
Standardized interfaces enable long-term cost efficiency

Improved Operational Efficiency

Rapid adaptation to various workflows and user needs

Lower Dependence on Technical Specialists

Sustainable operation enabled by intuitive design and automation-first architecture



Robot Control Server

- Accessible via web browser
- Available on-premise or cloud

Autonomous Mobile Robots

- Web-based access
- Autonomous driving control interface
- Fully autonomous operation

- TWINNY's Solution
- Custom Development Area

Key Features

Autonomous Navigation Control

- Map generation, localization, path planning, and multi-robot coordination
- Infrastructure integration (e.g., elevators, automatic doors)

Scenario-Based Automation

- Flexible, script-driven scenario configuration
- Customizable dashboards for user-specific workflows

External Integration Interface

- Compatible with Digital I/O, WebSocket API, REST API, Modbus TCP, and more



Minimized Development Load

Modularize repetitive components to focus on core feature development

Simplified Maintenance

Intuitive UI allows non-experts to manage and maintain the system

Benefits of Implementation

Instant Integration with External Systems

Integrates with key systems without complex configuration

Flexible Adaptability to Change

Rapid adaptation to various workflows and user needs

The delivery robot for seamless indoor-outdoor and inter-floor transportation

NarGo Delivery

Replacement of Simple Transport Tasks

Reduced Worker Fatigue and Labor Cost Savings

Corporate Image Innovation

Smart Brand Image Through the Adoption of Advanced Technology

Contactless Smart Delivery

Safe, Contactless Service Without Physical Interaction

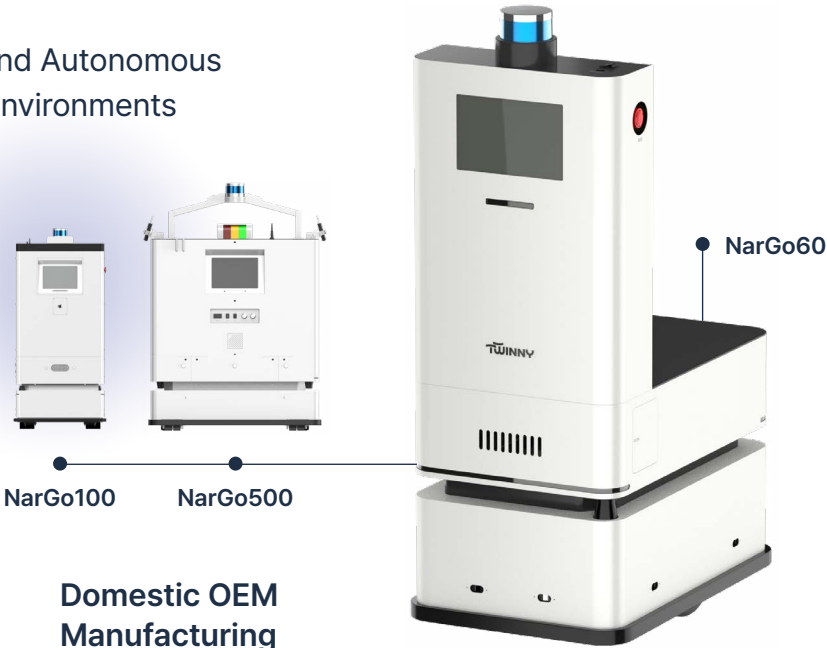
Full Compatibility with High-Rise Buildings

Inter-floor Mobility Enabled via Elevator Auto-Integration



Capable of Customization and Autonomous Navigation Across Various Environments

NarGo Series



No Infrastructure Required

Eliminates the need for infrastructure installation and reduces maintenance costs.

Domestic OEM Manufacturing

Produced and assembled by local partners in Korea, with in-house quality inspection.

TWINNY Delivery Solution Use Cases

Sejong Smart Village



TWINNY HQ Delivery

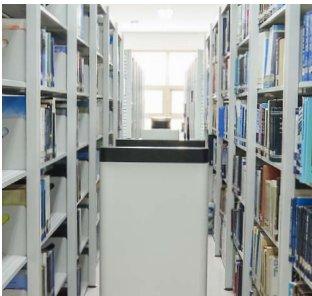


TWINNY NarGo Series Use Cases

NSK



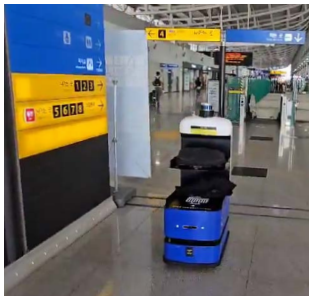
Korea Air Force Academy Library



Nepes Ark Corp



Korail Gwangmyeong Station



Autonomous Logistics
Robotics Specialist,

TWINNY

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YouTube



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