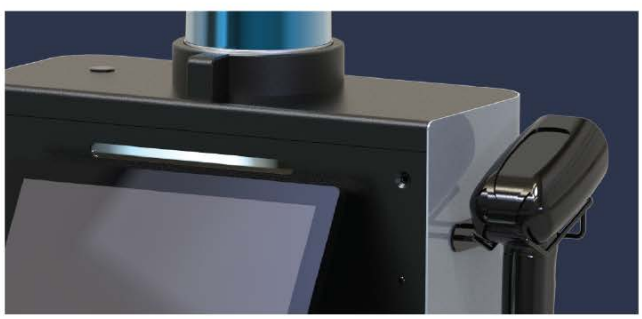
TWINNY
COMPANY INTRODUCTION

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-Win Cooperation Foundation
2024 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

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

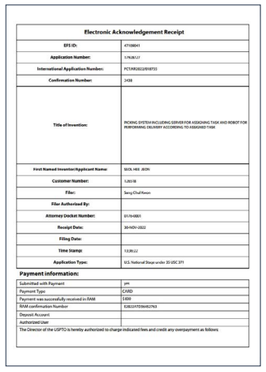
As of August 2025

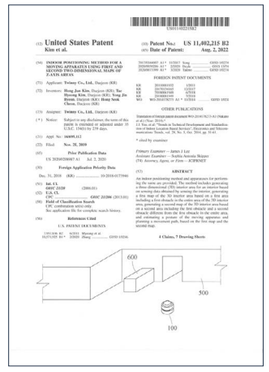
Domestic Patents

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%.

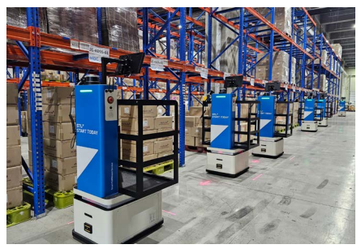
Efficient Logistics Center Operation

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

Benefits of Implementation

Instant Integration with External Systems

Integrates with key systems without complex configuration

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

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

Contactless Smart Delivery

Safe, Contactless Service
Without Physical Interaction

Corporate Image Innovation

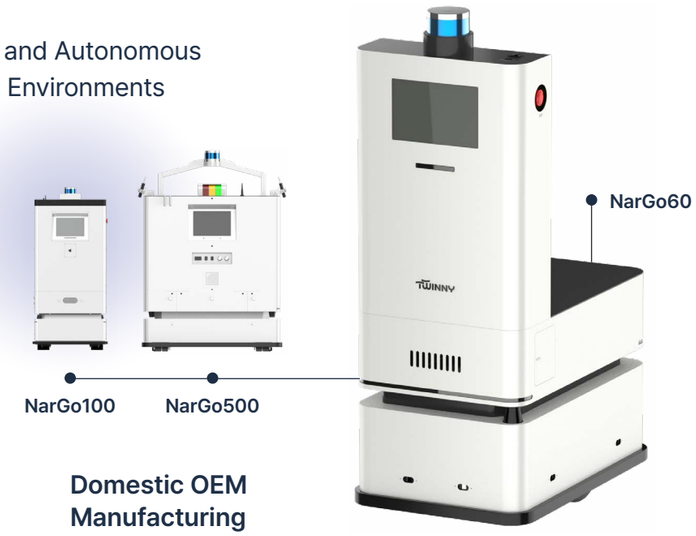
Smart Brand Image Through the
Adoption of Advanced Technology

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

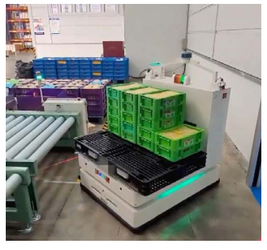
Sejong Smart Village

TWINNY HQ Delivery

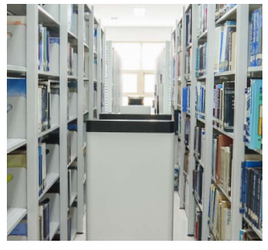
TWINNY NarGo Series

Use Cases

NSK

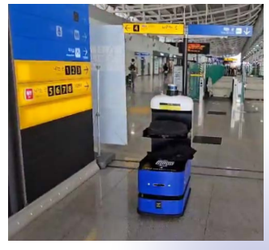


Korea Air Force Academy Library



Nepes Ark Corp

Korail Gwangmyeong Station



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Autonomous Logistics
Robotics Specialist,

TWINNY

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