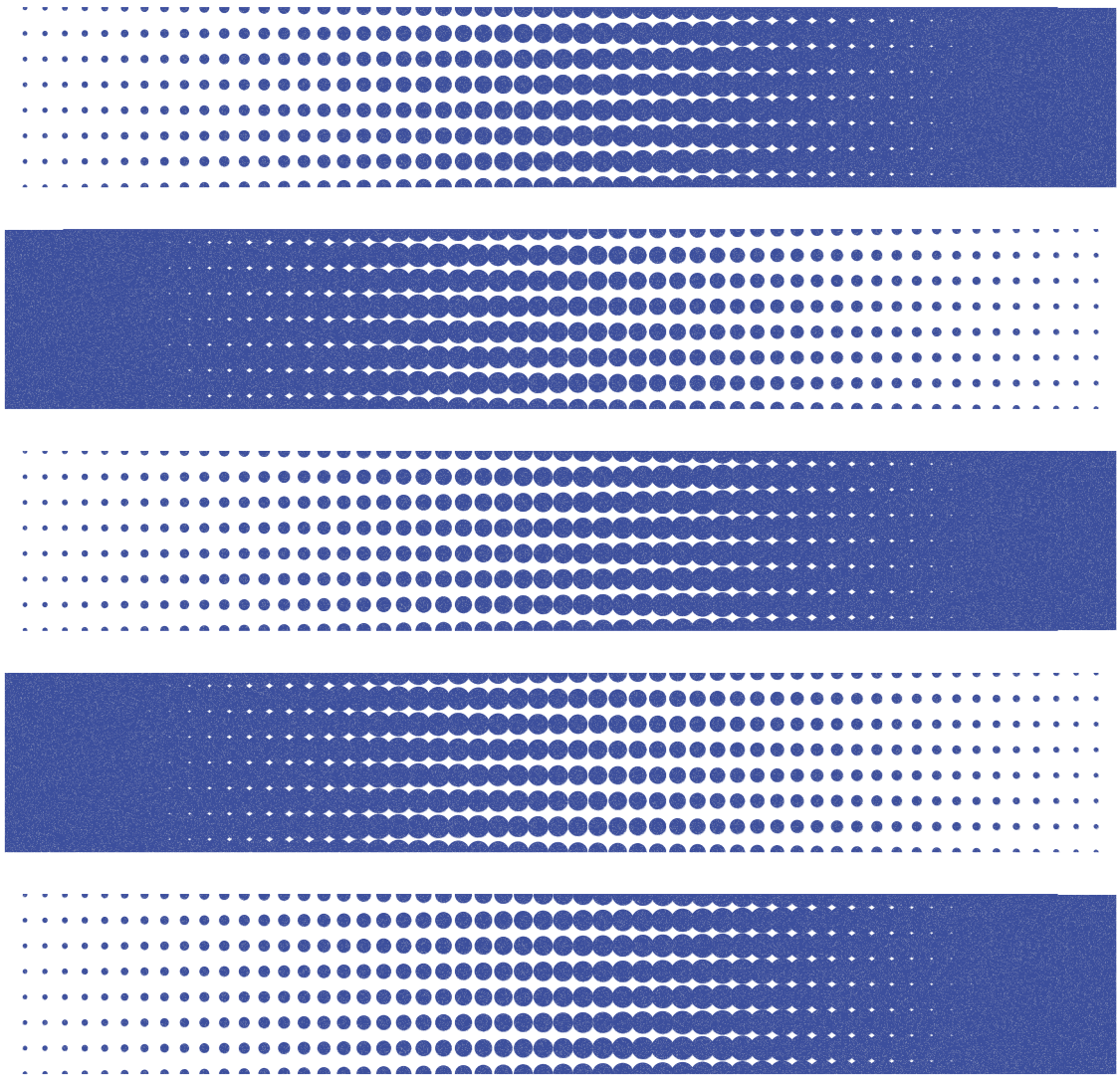
TWINNY
COMPANY INTRODUCTION

Giving Sweets, Taking Sweats
through Autonomous Driving Technology



Autonomous Logistics Robot Specialist, TWINNY

2025

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 establishment

2017

Venture business certification (No.20170400365)
Design specialist company registration (No.07014)
Korean SMEs innovation awards winner

2018

Robotics LAB establishment
Ministry of Employment and Labor small hidden champion certification
Investment attract(AUTECH Group)
Daejeon potential SMEs selection

2019

Youth-friendly small hidden champion selection
Design promising innovation company selection
Daejeon City Women-Friendly Company selection
ICT Innovation Technology Mentoring, Minister's Award
MOGEF Family-Friendly Company certification

2020

Ministry of Employment and Labor youth-friendly small hidden champion selection
Ministry of Science and ICT(NIA) DNA industry innovation company selection
Certified as a management-innovative SME (Main-Biz)
Ministry of Employment and Labor selected as a small business
Ministry of Trade, Industry and Energy Machinery robot industry commendation
(Hongseok Cheon,CEO)
Ministry of Trade, Industry and Energy R-BIZ challenge President’s Award
Ministry of SMEs and Startups Innovation company national player 1000 selection
This year’s Korean best robot company selection by Robotnews 2020
26th Deajeon economic science grand prize winner
Korea Institute for robot industry advancement 2020 promising technology commercialization mock
cloud funding win 1st place

2021

Korean Intellectual Property Office intellectual property management certified company
Artificial Intelligence Industry Association AI+X Top 100 selection
England Financial Times Asia-Pacific High-Growth Companies ranked 101st
Preliminary Unicorn Selection by Ministry of SMEs and Startups
Attracting 18 Billion Investment from 11 Investment firms
Winning the Chairman's prize of the korea Venture Business Association
Winning the ministerial prize in Korea Logistics Awards
1st place in the robot category of the Industrial Technology Convergence BM Challenge (I-CONTEST)
Selection of Outstanding Companies for Work Innovation (S grade) by Ministry of Employment and Labor
Innovative Small Business (Inno-Biz) Certification
Winning the Ministerial prize for Technological Innovation by Ministry of SMEs and Startups
Hoban Group's Innovation Technology Contest Win 1st place

2021

Investment attraction (employee ownership, KRW 1.4 billion)
Winning the Ministerial prize for ICT Convergence and Diffusion Merit by Ministry of Science and ICT

2022

Acquired ISO13482 certification
Report of a professional research business operator
Winning the Ministerial prize for Korean V. of the New Deal Merit by Ministry of economy and Finance
Winning the Ministerial prize in Impact Tech Awards by Ministry of Science and ICT
Winning the Prime Minister's prize for Promotion of Science and Technology by Ministry of Science and ICT
Winning the Presidential Award for Small and Medium Business by Ministry of SMEs and Startups
Winning the Chairman's prize in Korea's Startup Culture Awards by Korea Chamber of Commerce and Industry
Winning the Director's prize of Postal Service Division in Fourth Industrial Revolution Awards
by Ministry of Science and ICT
Winning the Ministerial prize in Korea ICT Awards by Ministry of Science and ICT

2023

South Korea 4th Industrial Revolution Leading Company Award By Money Today
Award of Merit, 18th Robot Awards, Ministry of Trade, Industry and Energy
2023 SME Management Innovation Contest, Winner
2023 ICT Patent Management Award, Korea Information & Communication Industry Promotion Association
D-Unicorn Entrepreneur’s Day, Hosted by Daejeon Metropolitan City
Entrepreneur’s Day for SMEs and Startups, Hosted by Daejeon Innopolis Venture Association
Outstanding SME Contributor, Awarded by the Daejeon–Sejong Regional Office of SMEs and Startups
2023 Korea Robot Company of the Year, Selected by The Robot Times

2024

2024 e-Commerce Pitching Festa, Participant/Selected, Grand Prize, Korea Electronics and Telecommunications Industry Promotion Association
ISO 9001 Certification, Quality Management System, ISO 9001 Certification (G-CERTi, Certificate No. GCT-3192-QC)
Inno-Biz Certification, Certified as a Technology-Innovative SME, Certification by Ministry of SMEs and Startups (No. 210503-02024)
FIX 2024 Innovation Awards, Winner, Top Innovation in Robotics Award, Daegu Metropolitan City
Recognized as an Excellent Employee Invention Compensation Company, Patent Office Certification (No. 2024-00468)
2024 SME Technology and Management Innovation Expo, Awarded, Minister’s Commendation, Ministry of SMEs and Startups (via Win-Win Cooperation Foundation)
D-Unicorn Entrepreneur’s Day 2024, Recognized by Daejeon City, Appreciation Plaque, Mayor of Daejeon
2024 New Technology Transfer Agent Networking Day, Participant, President’s Award, Korea Technology Transfer Society
2024 R&D with Patents Conference, Presenter/Participant, Excellence Award, Korea Institute of Patent Information (KISTA)
2024 Korea Robot Company of the Year, Selected by The Robot Times

Mission · Vision

MISSION

Giving Sweets, Taking Sweats

through Autonomous Driving Technology

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

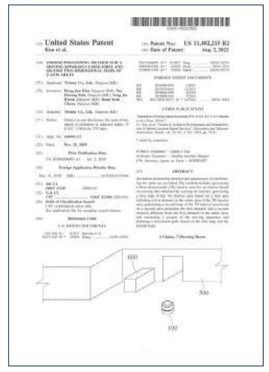
As of March 2025

Domestic Patents

52 registered
37 pending

International Patents

8 registered (USA 6)
18 pending (+PCT 30)



Domestic Trademarks

36 registered
27 pending

International Trademarks

5 registered (Madrid System 2)
5 pending

Domestic Design Registrations

22 registered
3 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

Team Fresh

YONGMA LOGIS

HanExpress

Agabang&Company

COVER Logis

Grouping 오현물류㈜ DN SOLUTIONS

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

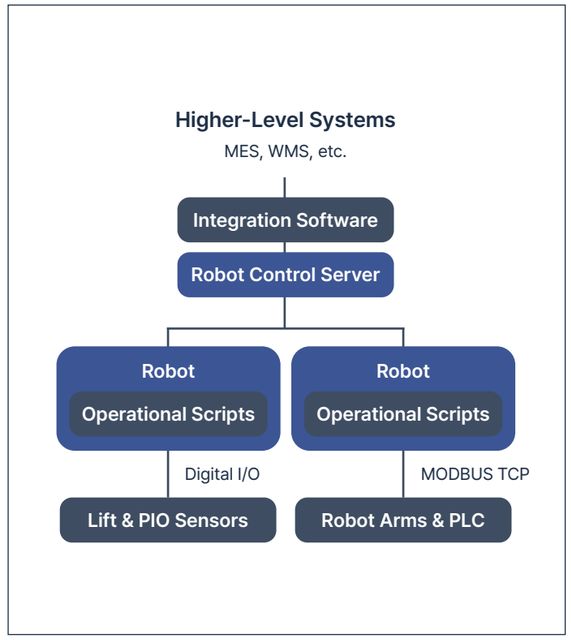
Standardized interfaces enable long-term cost efficiency

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 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

Standardized interfaces enable long-term cost efficiency

Minimized Development Load

Rapid adaptation to various workflows and user needs

Simplified Maintenance

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

Flexible Adaptability to Change

Sustainable operation enabled by intuitive design and automation-first architecture

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

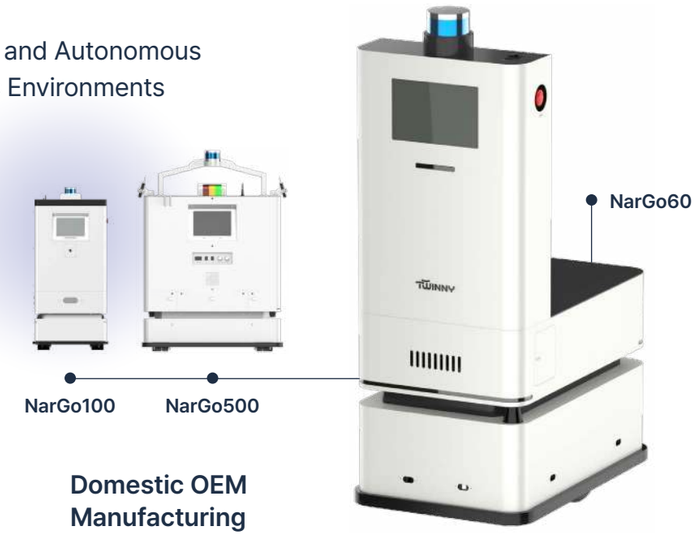
Smart Brand Image Through the
Adoption of Advanced Technology

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

국립중앙과학관 세종시립도서관 SAMSUNG 삼성전기 HANA 하나마이크론

Autonomous Logistics
Robotics Specialist,

TWINNY

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Business Support | 042.866.8212
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