

BROCHURE

Company Profile

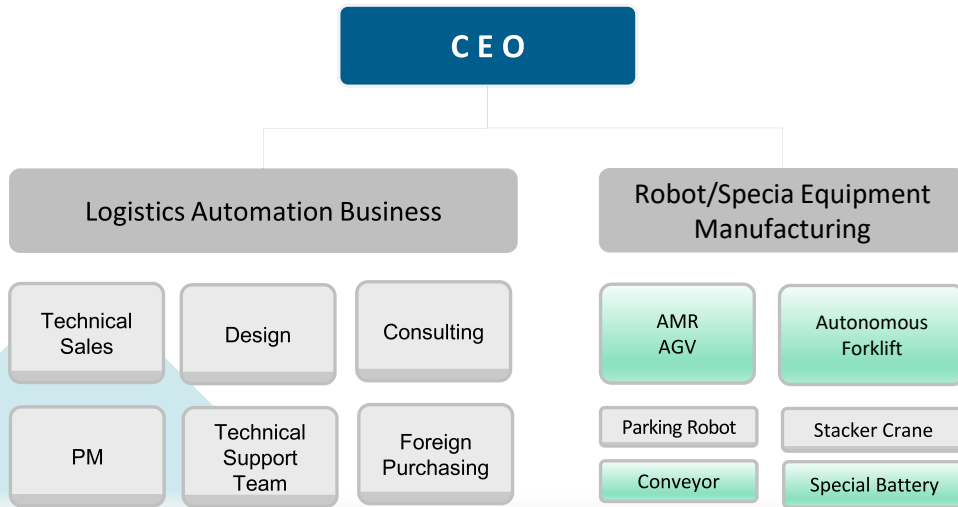
LOGISTICS AUTOMATION | CONSULTING | SOFTWARE



PT BUANA INSKONSI JAYA
(주) 부아나 인스콘시 자야

KNROBOTICS

A-1 Organization



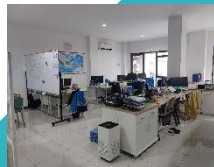
Head Office
KN Robotics
(Korea)



South Korea
Manufacturing
Factory



Branch Office
KN Robotics
(Korea)



Head Office
PT Buana Inskonsi Jaya
(Indonesia)

30 years or more of practical experience from 4 individuals with backgrounds in large corporations, Possesses top-tier technical experts in the AGV-based automation sector, AGV production and supply of AMR linked with 5G connectivity

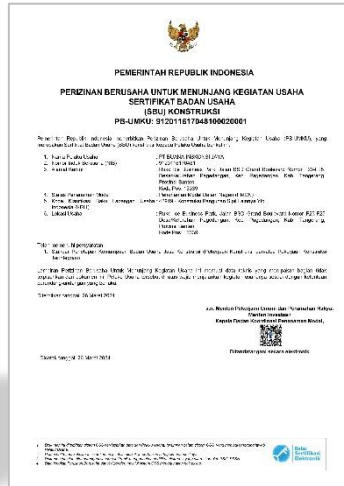
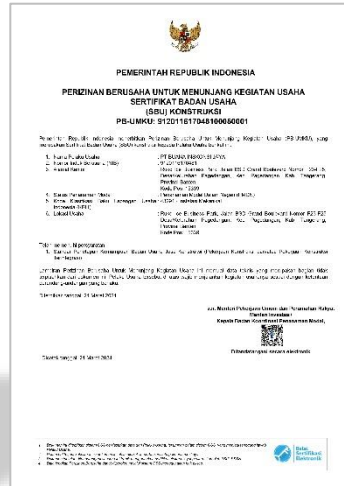
Conveyor Factory



AGV/ AMR Factory



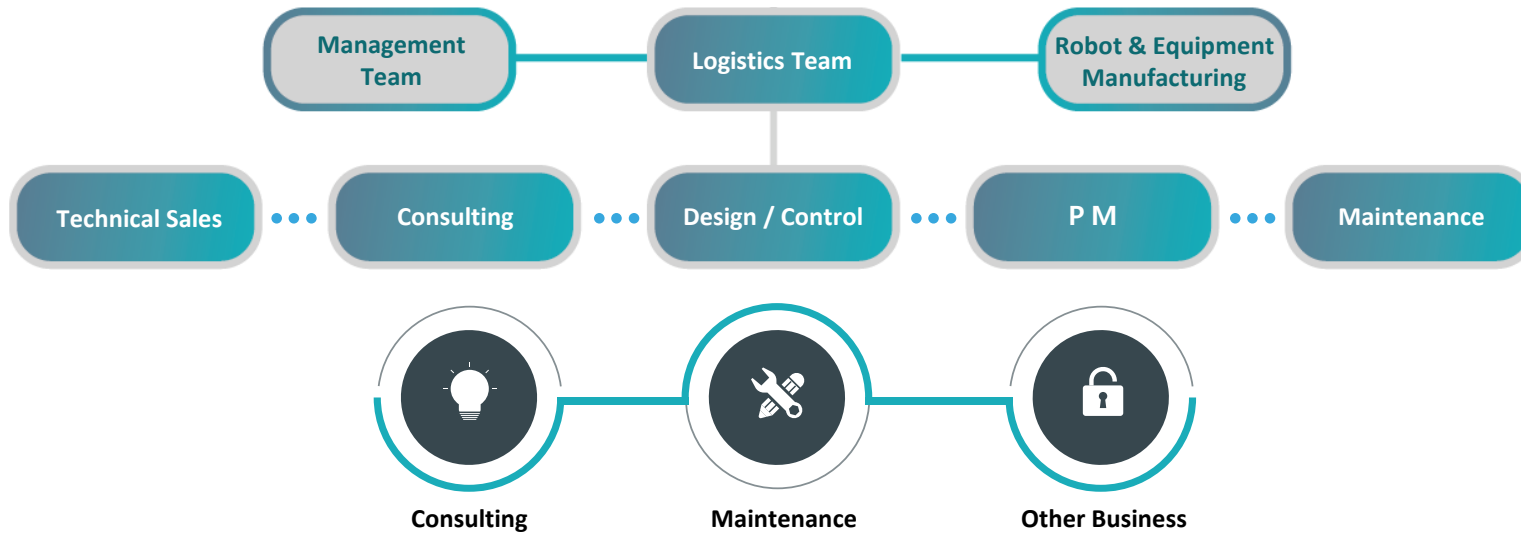
Licenses, Registrations & Patent Certifications – PT Buana Inskonsi Jaya (Indonesia)



SBU Construction/Mechanical/HVAC/Electric(IUJPTL)

ISO 9001 / 14001 / 45001

B-1 Team Composition



B-2 Main Business Field



Logistic Automation

- Logistics Automation Consulting
- Fulfillment Center Design/Construction
- Logistics Efficiency Analysis
- Equipment Improvement
- AGV-Based Sorting System



Equipment Development

- AGV Localization
- Autonomous Forklift Development
- Parking Robot
- AMR



Electric Vehicle Solutions

- Parking Robot-based Parking Lot Design / Construction
- Weather-resistant Battery (UCAP)
- Charging Station
- Autonomous Shuttle (Target LV4)



Software

- WMS(Warehouse Management System)
- RCS(Robots Control System)
- Vision-based Image Recognition Technology
- High-Precision Outdoor Positioning Technology

B-3

Partners

OVERSEA



KOREA


C-1

Key Corporate Performance Status



C-2 Key Corporate Performance Status (AGV-based Logistic Center)

E-Land Retail Online Logistics Center (Shinsegae Construction)



[Design Consulting Overview]

- Period : 2019.12~2020.08(9month)
- Man Power : 20 Workers
- Work Overview : Floor Polishing Work : AGV System Install : Conveyor Work

[Automated Facilities]

- AGV 99 Unit
- Outbound Conveyor
- Auto Packaging Machine
- POD : 1,111 Unit

Silicon 2 Logistic Center



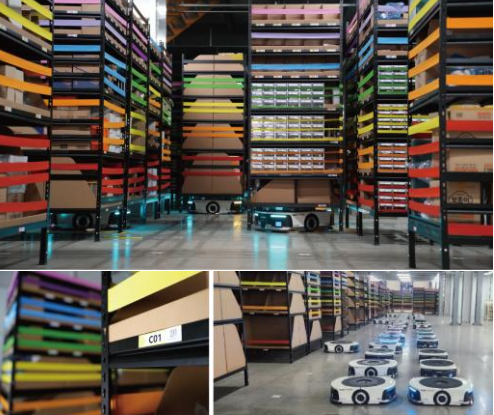
[Design Consulting Overview]

- Period : 2020.05~2021.01(6month)
- Man Power : 15 Workers
- Work Overview : Floor Polishing Work : Installation AGV System : Elec/Telecom. Work : API Integration

[Automated Facilities]

- AGV 99 Unit
- POD : 1,200 Unit

MRO Logistic Center



[Design Consulting Overview]

- Period : 2021.08~2022.10(3month)
- Man Power : 5 Workers
- Consulting Overview : New Center Review(2025 Volume) : Logistics Diagnosis & Strategy : Auto. Equipment Engineering

[Automated Facilities]

- AGV
- Cleaning AGV
- Auto Packaging Machine
- Vertical Conveyor for AGV
- Conveyor
- Mezzanine/Mezzanine Tile
- Fire Shutter System Integration

Yes 24 Demo Center



[Logistic Automation Setup]


- Period : 2021.09~2021.12(4month)
- Man Power : 20 Workers
- Overview : GTP Logistic Center

[Automated Facilities]

- AGV
- Private 5G Network
- AMR -POD : 1,111 unit

C-3 Key Corporate Performance Status (Other Logistic Projects)

Cop.'W' Logistics Automation Equipment Construction




[Logistic Automation Overview]

- Period : 2023.10~2023.11 (2month)
- Man Power : 10 Workers
- Work Overview
 - : Installation 3D Sorter
 - : Conveyor Work

[Automated Facilities]

- LIBIAO 3D sorter
- Conveyor
- OMS



Implementation of Automation Equipment in the Shinsung Logistics Center






[Logistic Automation Overview]

- Period :2024.03~2024.08 (5month)
- Man Power : 20 Workers
- Work Overview
 - : Conveyor Work
 - : B2C DAS/Inspection System
 - : DAS & DAS Outbound Conveyor

[Automated Facilities]

- Conveyor
- B2C DAS

Cop.'L' Smart Warehouse /AGV/OLT Equipment Construction


[Logistic Automation Overview]

- Period :2024.05~2024.09 (4month)
- Man Power : 10 Workers
- Work Overview
 - : Installation AGV/AMR
 - : Conveyor Work
 - : Installation Mini load
 - : Installation Stacker Crane

[Automated Facilities]

- AGV/AMR
- Conveyor
- AS/RS
- WMS/WCS

Cop.'N' Construction & Installation of AGV(CTU) Automated Warehouse Systems



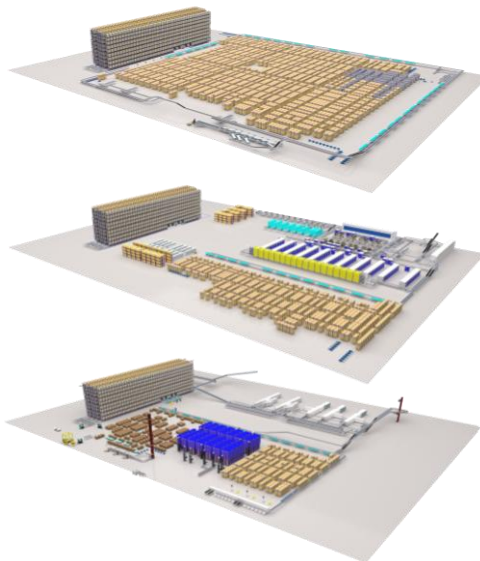
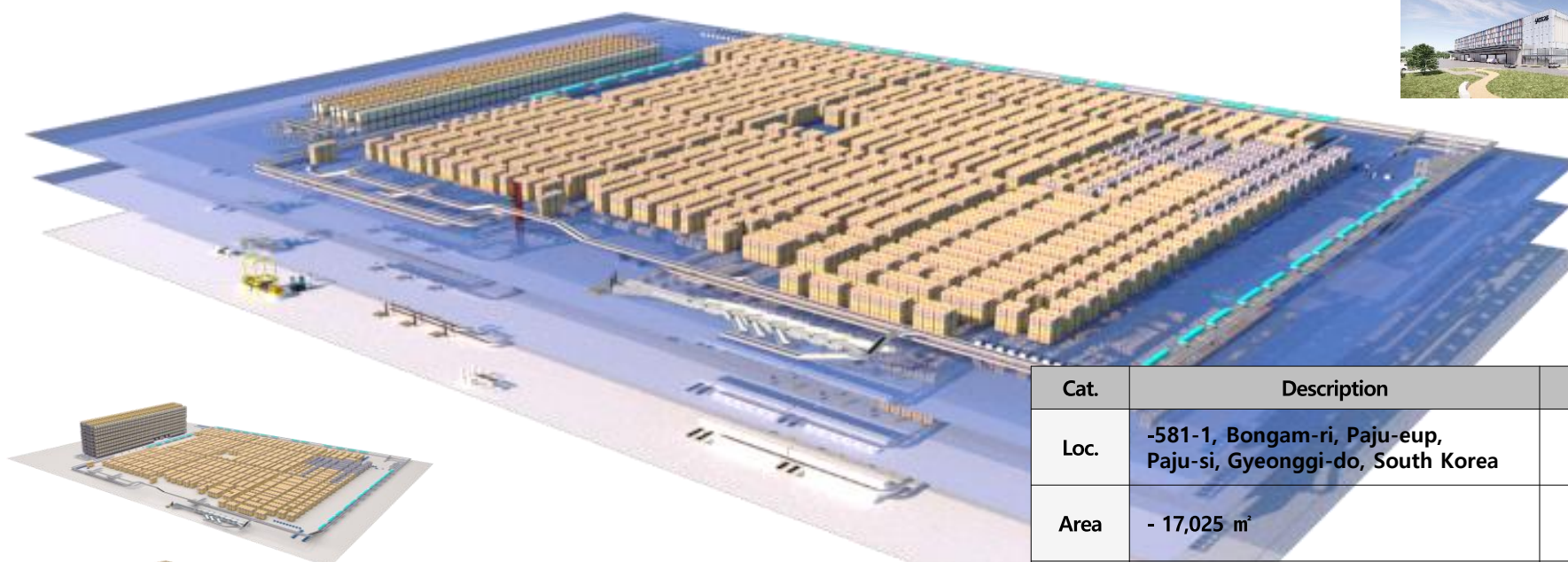
[Logistic Automation Overview]

- Period :2024.03~2024.09 (6month)
- Man Power : 10 Workers
- Work Overview
 - : Conveyor Work
 - : AGV(CTU)
 - : Installation High Rack

[Automated Facilities]

- Conveyor
- B2B
- CTU

C-4 Key Corporate Performance Status (YES 24)



Cat.	Description	Remarks
Loc.	-581-1, Bongam-ri, Paju-eup, Paju-si, Gyeonggi-do, South Korea	34,166 m ²
Area	- 17,025 m ²	BCR 49.83%
GFA	- 52,105 m ² ※ Above Ground : 45,345m ² Basement : 6,760m ²	FAR 132.72%
layout	- 1 Basement Level - 4 Floors Above Ground	Height Limit 20m
Scope	- Full Automation of Logistics Process ※ Inbound → QC → Storage → Picking → Inspection → Packing → Outbound	Independent setup of a logistics information system
Target CAPA.	- Inbound : 25,000 SKU, 280,000 PCS - Outbound : 100,000 order, 230,000 PCS - Storage : 4,500,000 PCS	

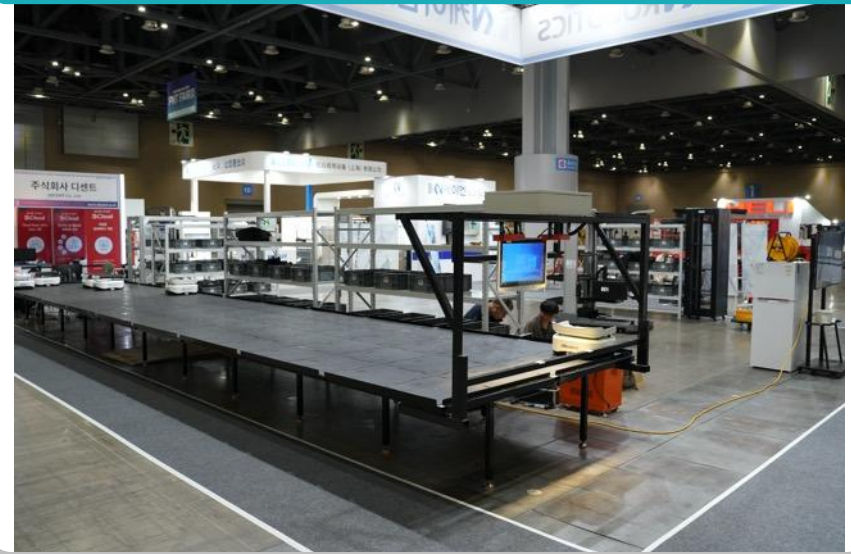
D-1

Exhibition Participation Status 2024

2024 MODEX Exhibit (2024.03, Atlanta, Georgia USA)



2024 SCM Fair Exhibit (2024.09, KINTEX, Ilsan KOREA)



Publicity Article (Korea Shipping News Article)

2024-04-24 09:12

케이엔, 물류창고 최적화 솔루션 앞세워 해외시장 공략

美최대물류전시회서 자사 솔루션 강점 홍보



물류자동화솔루션기업 케이엔이 북미 최대 물류 전시회에서 자사의 솔루션을 앞세워 해외시장 공략에 나섰다. 케이엔은 최근 미국 애틀랜타에서 열린 '모덱스(MODEX) 2024' 행사에서 부스를 열고 참관객을 맞았다. MODEX는 물류 로봇 기술과 IT 시스템 등의 최신 동향과 미래를 한눈에 확인할 수 있는 북미 최대 물류 전시회로, 올해 약 4만8000여명이 찾았다.

이번 행사에서 케이엔은 물류 창고에 최적화된 솔루션 3D소터와 그리폰 시스템(GRYPHON SYSTEM)을 소개했다.

▼3D 소터



Publicity Article (Korea Logistic News Article)

MODEX 2024 '케이엔로보틱스' 주목한 이유는?

A 허지선 기자 | © 입력 2024.04.11 13:37 | 댓글 0



국산화 AGV 기반 3D 소터·그리폰 시스템으로 시장 선점나서

최근 산업 트렌드는 AI다. 그중 물류산업은 고된 노동을 대체할 AI 로봇 등 인공지능이 첨가된 스마트 솔루션이 핵심으로 떠오르고 있다.

(주)케이엔로보틱스(KN Robotics)는 AI Robot 기반 물류 자동화 솔루션 기업으로 지난 3월 미국에서 열린 모덱스(MODEX)2024에서 주력 솔루션인 그리폰 시스템(Gryphon System)과 새로 개발된 AGV 기반 3D 소터(Sorter)를 처음 선보였다. 특히 AGV와 소팅 솔루션을 자체 개발해 많은 관심을 받았다. 모덱스를 통해 미국 시장에 진출한 케이엔로보틱스는 글로벌 시장 확대를 위해 발 빠른 대응에 나섰다.

핵심 시스템으로 떠오르는 '국산화 AGV 기반 3D 소터'

케이엔로보틱스가 이번 전시를 통해 새롭게 선보인 'AGV 기반 3D 소터'는 최근 국내에서 각광받고 있는 자동화 시스템이다. AGV 기반 3D 소터는 AGV에 상품을 올려 두면 오더별로 상품을 자동 분류하는 시스템이다.



△케이엔로보틱스가 국산화의 성공한 AGV (사진제공=케이엔로보틱스)

THANK YOU

CONTACT US



+82 70 4123 5593
+82 2 2278 5593



PR@kn-robots.com



+62 813 1211 2113
+62 21 3973 1528



buanainskonsi@
gmail.com



H.O. : 7F, Gwanghee Building, 307 Toegye-ro, Jung-gu, Seoul
FACTORY : 186 Bangdo-ri, Docheok-myeon, Gwangju-si,
Gyeonggi-do, South Korea



www.kn-robots.com



H.O. : Ruko ICE Business Park BSD – Blok F23/F25
Jl. BSD Grand Boulevard, Pagedangan, Kec.
Pegedangan, Kabupaten Tangerang, Banten 15339



www.buanagroup.com

