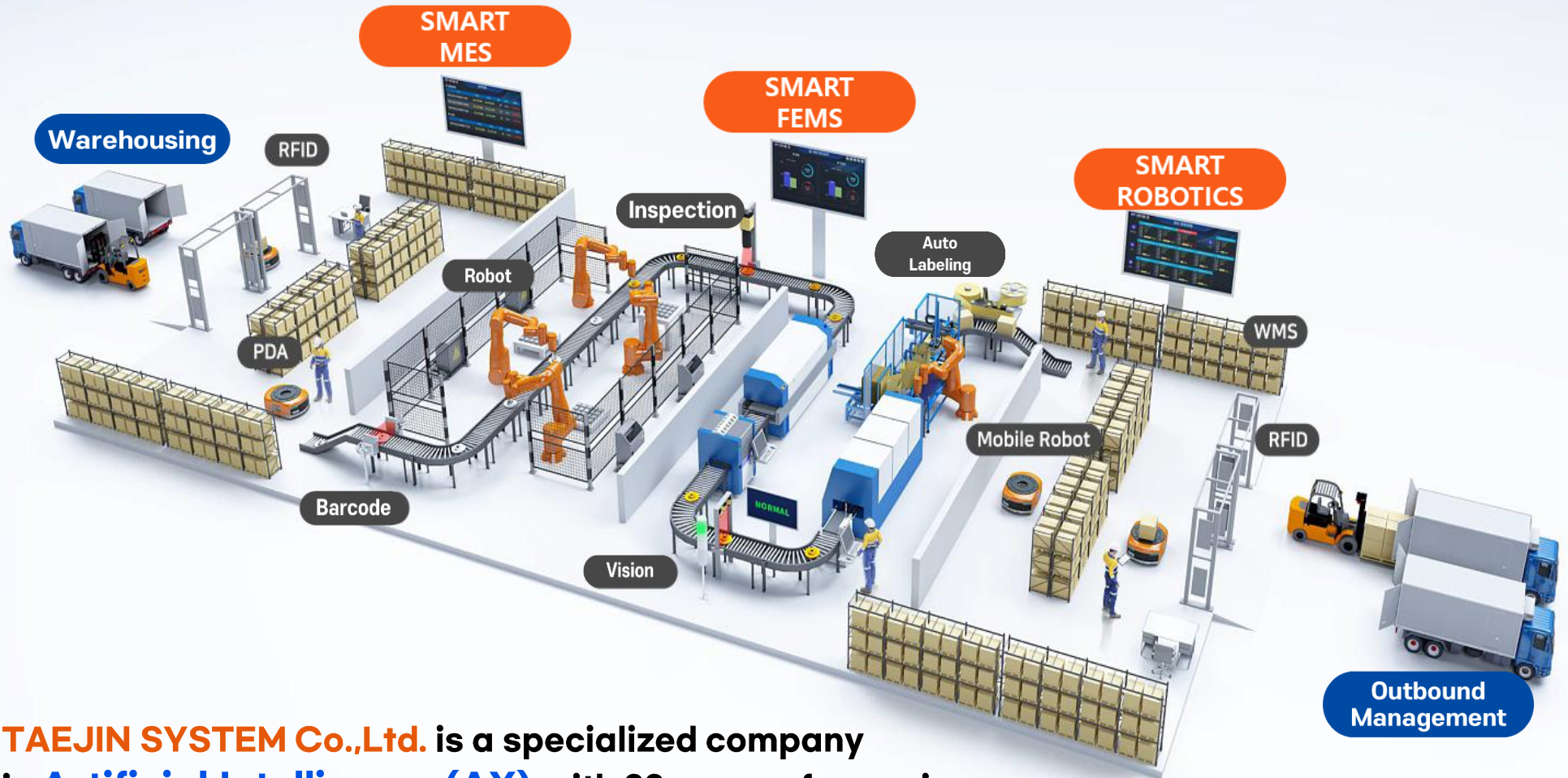


Gyeongnam's **only expert** in **AI Transformation**,
from software to full automation — all in one place.

TAEJIN SYSTEM Co., Ltd

2026.06

AX FACTORY



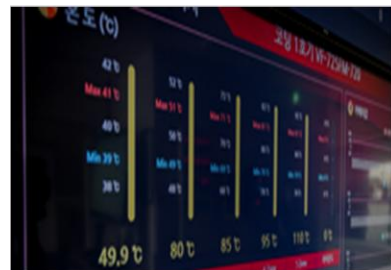
TAEJIN SYSTEM Co.,Ltd. is a specialized company
in **Artificial Intelligence(AX)** with 23 years of experience.

Company Overview

Company	TAEJIN SYSTEM Co., Ltd
Establishment Date	March, 2003
Capital Stock	500,000 USD
Business Type	<ul style="list-style-type: none"> · Application Software Development & Supply · Automation Control Panel Manufacturing
SI Area	<ul style="list-style-type: none"> · Smart FACTORY · MES, FEMS, WMS, QMS · POP, SPC, APC, HACCP, AI · Digital Dash Board, Cloud Solutions · Smart Factory Consulting
Etc	<ul style="list-style-type: none"> · Development of automation systems · System maintenance · Printing Consumables

CEO	Young-nam, Kim
Location	<ul style="list-style-type: none"> · (Head Office) Yangsan-si, Gyeongsangnam-do · (Regional Office) Changwon-si, Gyeongsangnam-do
Representative Solutions	<ul style="list-style-type: none"> · Smart MES · Smart FEMS · Smart HACCP · Smart APC
Mechatronics Area	<ul style="list-style-type: none"> · Robot Automation (Cobot, Industrial Robot, AMR) · Laser Marking system · Auto Labelling system · KIOSK SYSTEM · CIMON SCADA, HMI
Affiliates	<ul style="list-style-type: none"> · TAEJIN P&S Co., Ltd (in JEJU) · Planning to open a branch in Vietnam

Business Areas



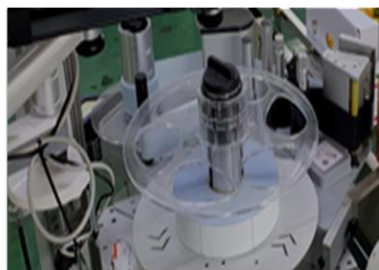
Smart Factory

- Smart MES
- Smart HACCP
- Smart FARM
- Smart APC
- Smart FEMS
- QMS, WMS
- Big Data Analysis
- AI Solution



Robot System

- Collaborative Robots(Cobots)
- Industrial Robots
- Robotic Automation
- Logistics Transport Robots
- Service Robots



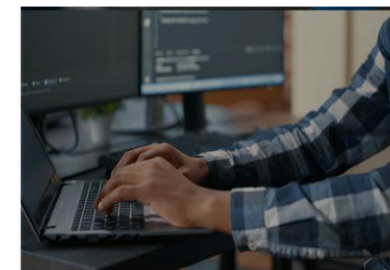
Mechatronics

- Unmanned Weighing System
- Automation System
- Laser Marking system
- Auto Labeling
- Kiosk System



Single Product Sales

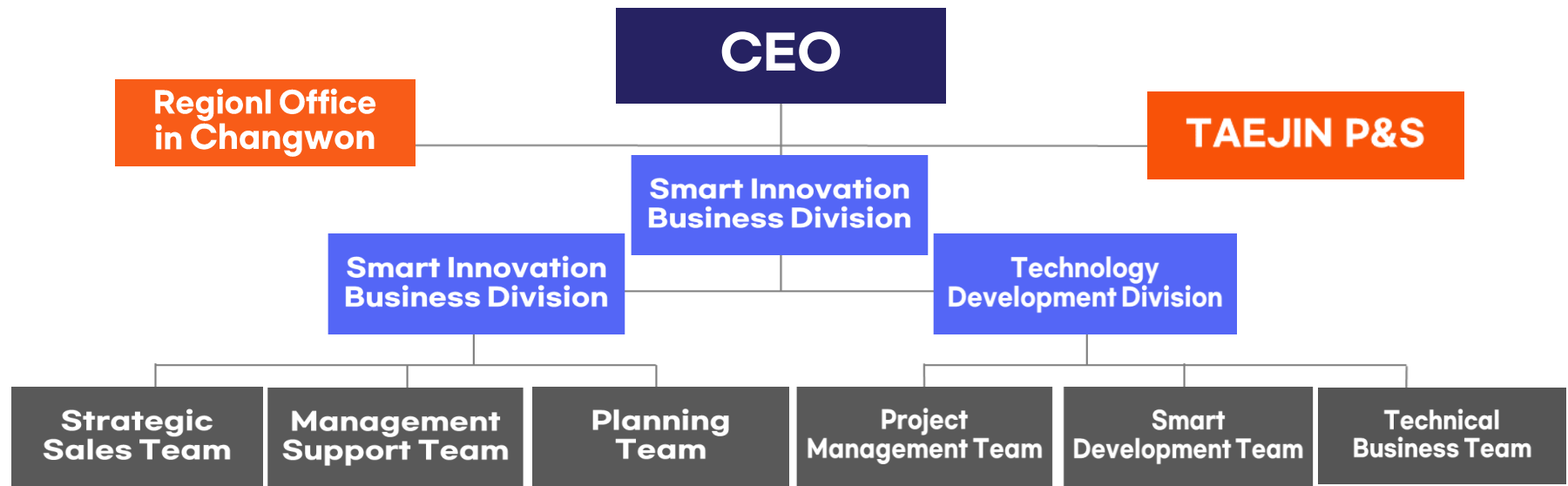
- Industrial PDA
- Barcode Printer
- Other Labels
- Robot gripper
- Digital Label Printing
- Ultra Fine Bubble



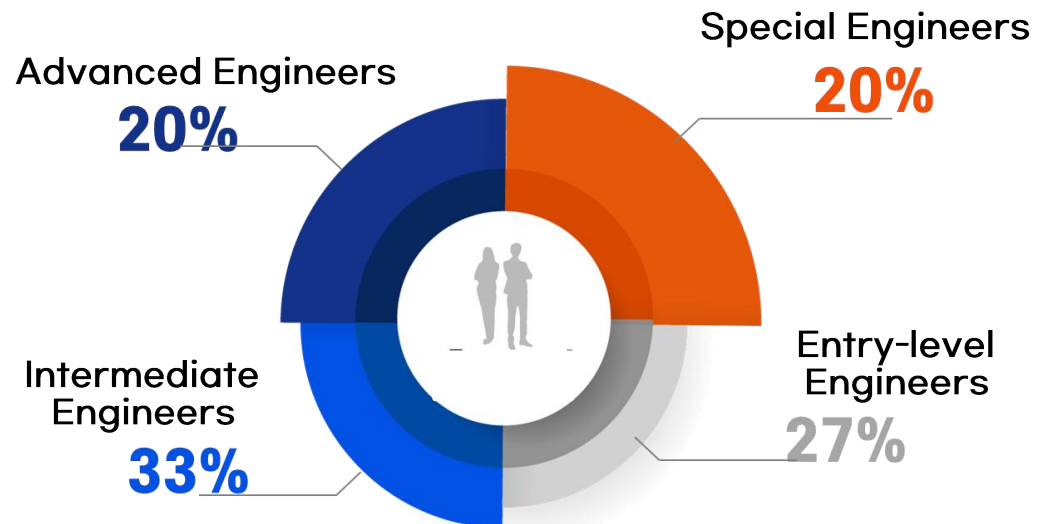
R&D

- R&D Project Development with Clients
- Monitoring and Control, Data Collection
- Analytics Software, IoT Device Integration

Organization Chart



Taejin System Co., Ltd. has a **technology-driven structure**, with **70%** of its workforce composed of **skilled professionals at intermediate level or higher**





History

- 2025
 - Selected as a DPG Hub testbed
 - Selected as a 2025 Smart Factory Excellent Supplier Selection
 - Selected as a AI Factory Specialized Company
 - Selected as a Gyeongnam IT·SW Star enterprise
 - Selected as a Partner Company of the Gyeongnam Defense Venture Center
 - Opened an office in Changwon
- 2024
 - Signed an MOU with GITS (Vietnam)
 - K-Innovation Delegation (Vietnam)
 - Selected as the Best Solution(SMART MES) at Gyeongnam ICT Commendation
 - Selected for the Robot Demonstration Project
 - Selected as a Partner of Doosan Robotics
- 2023
 - Selected as an Excellent Supplier for Smart Factory
 - Exhibited at the 2023 SMATOF
 - Signed an MOU with the Korean Chamber of Commerce in Singapore
 - Awarded the Minister of Small and Medium Enterprises and Startups Award
- 2022
 - Awarded the Governor of Gyeongsangnam-do Commendation
 - Awarded for An Outstanding Enterprise in Yangsan City
 - Selected as a Youth-Friendly Small and Medium-Sized Enterprise
- 2021
 - Transition to a Corporation of Taejin System Co., Ltd.
- 2019
 - Awarded the Minister of Science and ICT Commendation
- 2018
 - Formed an SI partnership with TM Robot (Taiwan)
 - Constructed a pilot smart factory
- 2013
 - Taejin PNS Co., Ltd. Establishment of affiliates (Jeju)
- 2007
 - Selected as a Venture & Innobiz Company
 - Certification of establishment of corporate-affiliated research institutes
- 2003
 - Establishment of Taejin System
 - Software business declaration

Intellectual Property Assets

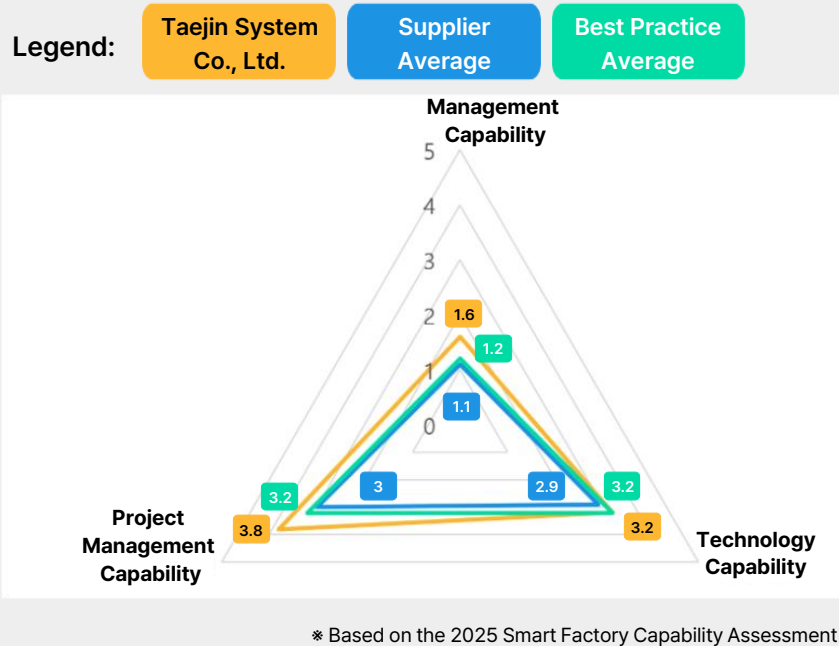
● Patent
 ● AI
 ● Energy Management
 ● Manufacturing System
 ● Agriculture And Food
 ● Design

RFID Technology Base Smart APC System (Granted Patent)	 특허청	Smart MES	TJS Smart MES	Smart HACCP MES	Smart Seedling Production and Management Integrated Control System
QR Code Marking Traceability (Granted Patent)	 특허청	Injection Molding Smart MES	Smart Elementary, Middle, and Final Products Management System	Smart MOLD (Mold Management System)	Smart Seedling Production History Information Collection Management Program
Garbage Collection Management System (Patent Application)		Cladding Production Smart MES	Smart MES for Cooling Installation Components (Copper Pipes)	AI Production Planning System (APS) for Frozen Food Dryer Products	Smart Seedling Production History Management Database (DB)
Method for Preventing Forgery and Tampering of QR Codes for Agricultural Products (Patent Application)		SILO Weighing and Blending Production Smart MES	Nuclear Power Plant Component Project Management Program	Production Management Program for LNG Pipe Covers	Apple Sorting with AI Smart APC
Automatic Cutting Apparatus for Bead Apex Extruded Rubber for Vehicle Tires (Patent Application)		Defense Parts Production Smart MES	Building Insulation Material MES	Hose SPC (Web-based Statistical Process Control)	Tomato Sorting Smart APC
AI-Based Production Planning and Scheduling (Smart APS)		Hydraulic Valve Component Production for Defense Industry Smart MES	CCTV Integrated Vehicle Weighing System	OK Small Business Management System	FEMS For Carbon Emission Reduction by Injection Molding Machine
AI-Based Automatic Formulation System Using Coating Process Planning (Smart MIX)		Delivery Management for Industrial Safety Products Smart MES	SAP Integrated Vehicle Weighing System	E-Scrap Management System	FEMS for Carbon Emission Reduction by Equipment
AI Analysis for Material Shortage and Ordering Schedule (Smart MRP)		Thickness Measurement System	Barcode Output Verification System	OK-POP System	8 Design Patent Application
AI-Based Predictive Maintenance System					

Differentiated Expertise

Smart Factory Expertise Proven by Objective Indicators

Taejin System Co., Ltd. achieved an overall **Grade 3+** in the 2025 Smart Factory Capability Assessment, demonstrating performance that exceeds both the average of supplier companies and best-practice benchmarks.



	Management Capability	Technology Capability	Project Management Capability
Taejin System Co., Ltd.	1.6	3.2	3.8
Supplier Average	1.1	2.9	3
Best Practice Average	1.2	3.2	3.2

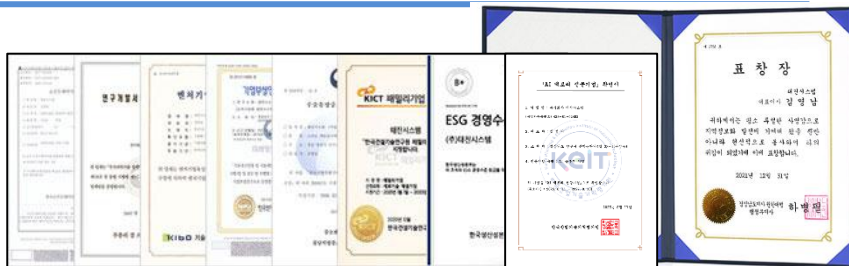
Selected as an AI Factory Specialized Company



Certifications & Awards

Certification

- Software Business Registration
- R&D Service Registration
- Venture Venture Company Certification
- Certification of Corporate-affiliated Research Institute
- Promising Export Small and Medium-sized Enterprise
- KISTI and KICT Family Company
- Youth-Friendly Small and Medium-sized Enterprise
- Outstanding Job Creation Company
- Partner Company of the Gyeongnam Defense Venture Center
- Gyeongnam IT·SW Star enterprise
- ESG Management Level : Grade B+
- AI Factory Specialized Company Certification



Awards

2020'	The Minister of Trade, Industry and Energy Commendation
	The Minister of Small and Medium Enterprises and Startups Commendation
	The Governor of Gyeongsangnam-do Commendation
	The Mayor of Yangsan Commendation on Excellent Entrepreneur Day
	The Governor of Gyeongsangnam-do Commendation for Contributions to Smart Manufacturing Innovation
2010'	The Minister of Resources Commendation
	The Director of Gyeongnam Regional Small and Medium Enterprises Agency Commendation
	The Mayor of Yangsan Commendation for Excellent Entrepreneur
	The Yangsan City Hall Commendation
2000'	The Minister of Science and ICT Commendation
	The Director of Gyeongnam Regional Small and Medium Enterprises Agency Commendation
	The Director of Gyeongnam Regional Small and Medium Enterprises Agency Commendation

Continuous Learning, Limitless Potential

Special Guest Lecture



Internal Team Training Session



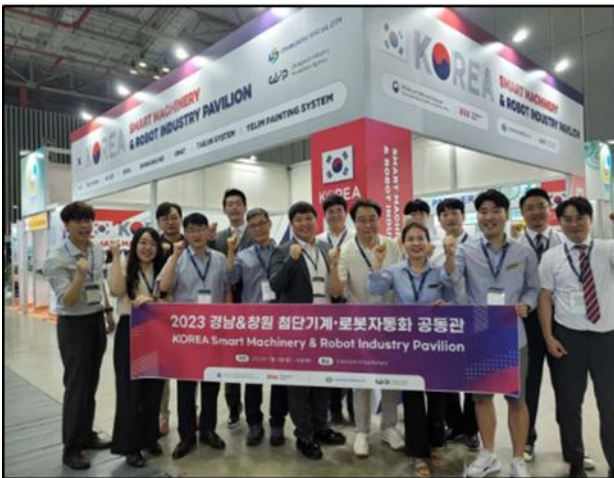
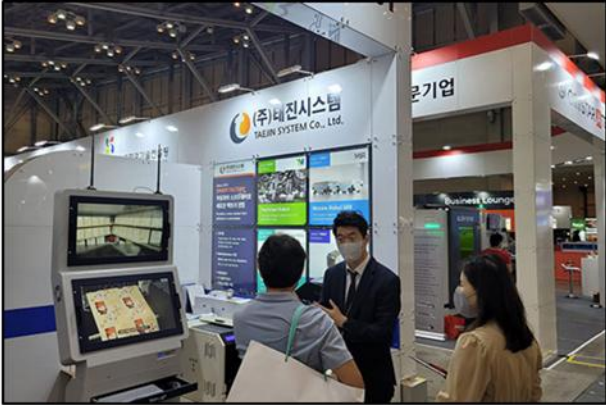
Continuous Learning, Limitless Potential

Internal Project Evaluation



Export Challenges & Achievements

Participation in Domestic and International Exhibition



"This meeting was organized to listen to the voices of companies interested in expanding into Vietnam and local SME support organizations. It also included participation from companies visiting Vietnam as part of the K-Innovation Mission. Participating companies stated that the establishment of dedicated SME desks within overseas diplomatic missions is a great help, and they suggested that these missions should continue to show active interest in supporting SMEs."

Customer Appreciation Plaques

Taejin System is committed to delivering practical value to our clients through dedicated and effective system development.



Hwasung R&A- IT Division
Industry : Automotive Components



Hanbando Nonghyup
Industry : Agriculture



Korea Clad Tech
Industry : Metal



SG Solution
Industry : Defense



Daesung Nazzi Freezer Industry
Industry : Hydraulic&Pneumatic

Key Achievements

Automotive / Electrical / Electronics	Steel / Non-ferrous Metals / Chemicals	Public Sector / Healthcare / Education	Food / Others
<ul style="list-style-type: none"> • Hwaseung R&A Co.,Ltd • SPXFLOW Technology • ST Co.,Ltd • Shinsung Delta tech Co.,Ltd • (주) POLE • M.T.S Co.,Ltd • Daeseung Nachi Hydraulics co.,Ltd • PAV Co.,Ltd • Sedong Co.,Ltd • KOWALL Co.,Ltd • Suntech engineering Co.,Ltd • Kwangwon Electronics Co.,Ltd • Woojin Tech co.,Ltd • Parker Korea • HBPO Korea • Automotech • Hyoseung Electric Co.,Ltd • Songwoo Industrial Co.,Ltd • Shinsung Industrial Co.,Ltd • BS Co.,Ltd 	<ul style="list-style-type: none"> • Hwaseung Material Co.,Ltd • LS-Nikko Copper Inc. • Korea Zinc Co.,Ltd • Kiswire Ltd • Fine Technology Co.,Ltd • NALCO korea • YK Steel Corp • GB Light co.,Ltd • Pohang Ceramic Co.,Ltd • GRM Co.,Ltd • Kumjung industrial Co.,Ltd • Kumho Petrochemical Co.,Ltd • Synopex Inc • Dongyang Steel Wire Co.,Ltd • Seun Steel Co.,Ltd • BMP Co.,Ltd • Saeki Co.,Ltd • Intel Steel Co.,Ltd • Hamil Selena Co.,Ltd • Philip morris Korea Inc 	<ul style="list-style-type: none"> • Namwon national Agricyltural Cooperative Federation(NH) • Wimi NH • Aewol nh • Gwangyang NH • Hallim NH • Andeok NH • Gimhwa NH • Daejeong NH • Pyoseon NH • Hyodon NH • Rural Development Administration(RDA) • Busan Infrastructure Cooperation(BISCO) • Nakdonggang Vational Institute of Biological Resources(HNIBR) • Honam National Institute of Biological Resources(NNIBR) • Osstem Implant Co.,Ltd • DIO Implant Co.,Ltd • Kyung Sung University • Myongji Unoversity • Korea Argo-Fisheries&Food Trade Corp(aT) 	<ul style="list-style-type: none"> • Jinju Ham Co.,Ltd • Gijang Mulsan Co.,Ltd • Daejin Food • Glucan Corp • Meat Processing Center • Sunjin Environment Co.,Ltd • Busan Meat Processing Co.,Ltd • Margun Naeil Co.,Ltd • Purple INC • Haha Food Co.,Ltd • Bukyoung Pig Farmers Co-op <p style="text-align: center; font-size: 24px; font-weight: bold; margin-top: 20px;">more than 150 companies</p>

Key Achievements in Agriculture

Major Project References

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> • Namwon NH APC • Wimi NH APC • Jinsihwang farming Association • Aewol NH • Hallim hanggyeong • Gwangyang nh(plum) • Gangjin Paprika Farming Association • Jejunang Cooperative Coperation • Gyeongyeong Orchard Farming association • Hyodon NH Working Group | <ul style="list-style-type: none"> • Sinhyo Wollabong Farming Associateion • Gimhwa NH • Andeok NH • Gamhyeop Haryer Distribution Center • Hyodon Walla Working Group • Hallim NH • Jeju Gamhyeop Small Packaging Center • Jeju-si NH • Boeun NH APC | <ul style="list-style-type: none"> • Daejeong NH • Pyoseon NH • Gamhyeop4Distribution Center • Aewol NH • Andeok NH Distribution Office • Wimi NH Distribution Office • Hyodon2-tong,7-tong Working Group • Seogwipo Hanra Farming Association • Daejeo NH • Hanbando NH APC and others |
|---|---|---|

제주감귤농협 제1유통센터	제주감귤농협 제2유통센터	제주감귤농협 제3유통센터	제주감귤농협 제4유통센터	제주감귤농협 제5유통센터	제주감귤농협 제6유통센터	제주감귤농협 제7유통센터
제주감귤농협 제8유통센터	제주감귤농협 제9유통센터	제주시 농협	성산포 농협	애월 농협	남원 농협	대정 농협
안덕 농협	한경 농협	한림 농협	보은 농협	위미 농협	표선 농협	중문 농협
효돈 농협	신호월라봉 영농조합법인	시귀포 감귤명진	제주농협	진시황 영농조합법인	함선 제주익협 Himsseon	해오름포크
JEJU MAMI mom made it!	탐진들	만보영농조합법인 mb	영농조합법인 해거름마을	우리영농조합법인	경영관수 영농조합법인	히바

Major Clients

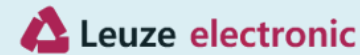
“ We prioritize our customers' trust and satisfaction as our highest values, and we strive to be a company that provides the utmost satisfaction through continuous innovation. ”



more than 200 companies

 China 6 Cases	 India 2 Cases	 Singapore 1 Cases	 Türkiye 1 Cases
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Domestic and International Partners



SOFTWARE

Beyond innovation, setting new standards in smart manufacturing."

Taejin System provides the **optimal solutions** for smart factory implementation.

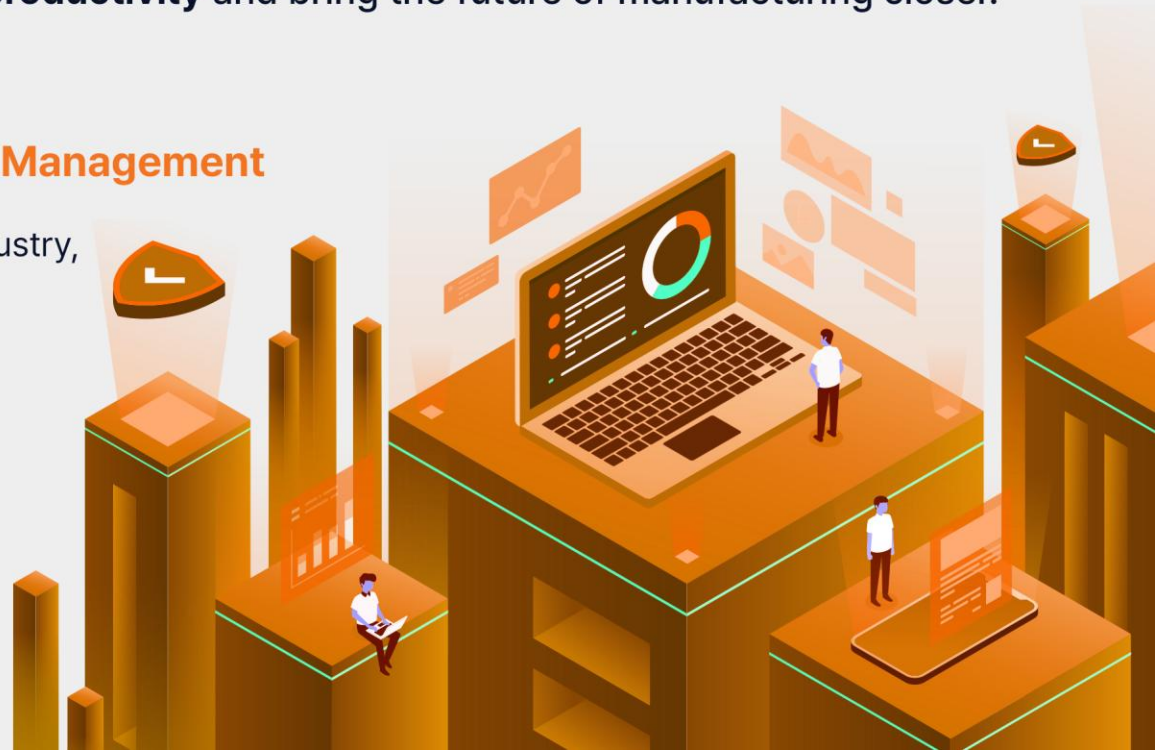
With innovative technology, we **maximize productivity** and bring the future of manufacturing closer.

MES / APC / QMS / HACCP / Seedling Management

We develop customized software tailored to each industry, maximizing productivity, quality, and safety.

FEMS / SCADA / Smart AI Vision

We optimize energy usage in factories, enabling precise quality inspection and automation.

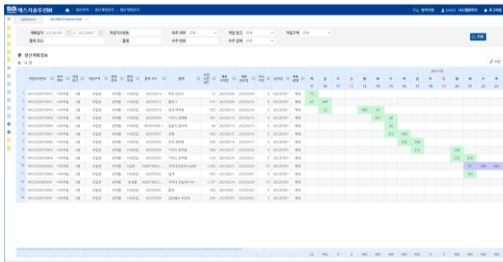


Solution

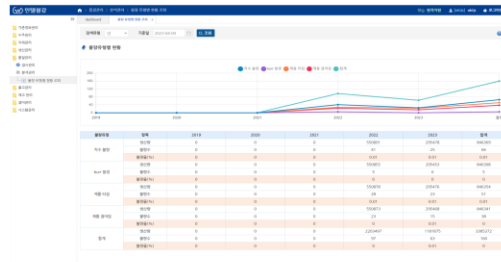


Smart AI-MES | Manufacturing Execution System

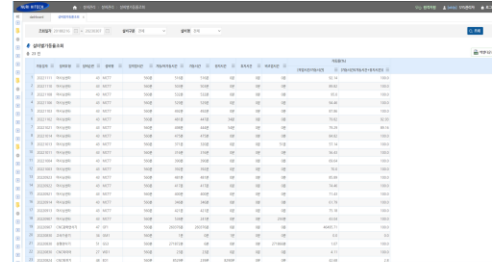
A next-generation integrated manufacturing management system that enhances decision-making, optimizes scheduling, improves accuracy and strengthens predictive capabilities by applying proprietary artificial intelligence (AI) algorithms to conventional MES (Manufacturing Execution System).



AI-Based Production Scheduling



Enhanced AI-Powered Quality Inspection Management



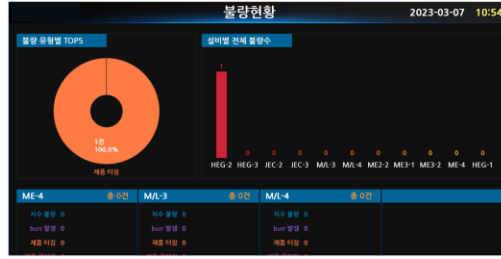
AI-Driven Equipment Utilization Forecasting



On-Site Operation Program



Real-Time AI-Based Performance Optimization



Standard Deviation-Based AI Defect Analysis



AI Learning-Based Early Performance Prediction



Mobile Operation Program

Solution

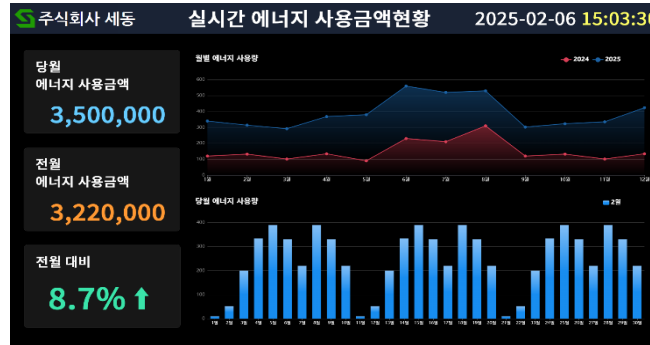


Smart FEMS | Factory Energy Management System

A factory energy management system that measures, monitors, analyzes, plans, and controls energy usage within the factory to optimize both energy supply and consumption.



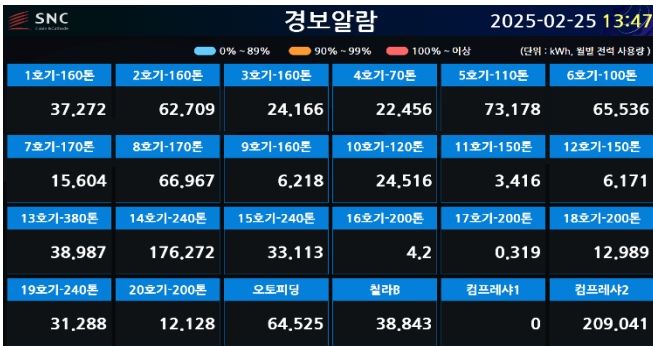
Real-time Energy Usage



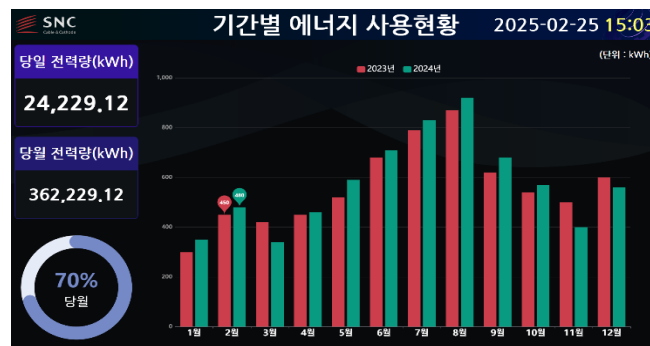
Real-time Energy Cost Status



Energy Status by Equipment



Alert Alarm



Periodic Energy Usage



Monthly Equipment-wise Energy Usage

Solution



Smart QMS | Quality Management System

A quality management system that serves as the foundation of quality operations, integrating key functions such as quality data collection from production processes, prototype development management, and standardized quality control procedures for internal quality assurance.



Project management



CTQ management



Q-cost management



Nonconformance Management



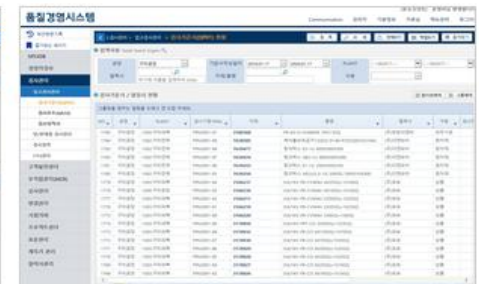
Performance Management



CAPA Management



NCR management



Inspection management

Solution



Smart HACCP | Hazard Analysis and Critical Control Points

Our Smart HACCP system is designed to establish an intelligent food safety management framework for individual businesses by automating real-time monitoring of CCP and related documentation and to build a comprehensive food safety prevention system at a national level through big data analytics.

CCP Limiting Criteria Information Management

제조설비 점검일지	일	원료차	원포자	원포자	수인자
일	일	일	일	일	일
1	원료차	원포자	원포자	원포자	원포자
2	원포자	원포자	원포자	원포자	원포자
3	원포자	원포자	원포자	원포자	원포자
4	원포자	원포자	원포자	원포자	원포자

CCP Standard Document Management

HACCP Text Management (Tablet)



Production performance management



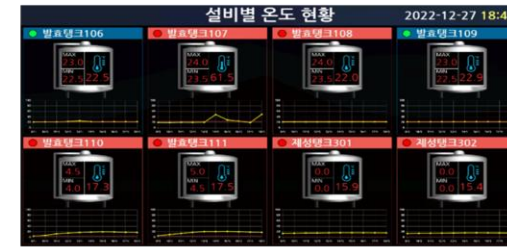
Zone-By-Zone Monitoring



CCP Real-Time Monitoring



KPI Management



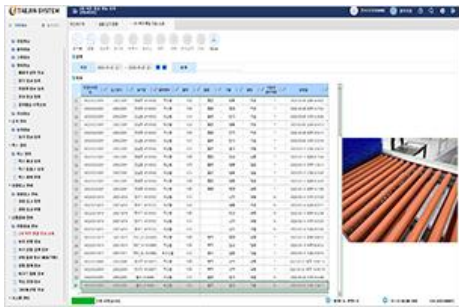
Facility Monitoring

Solution



Smart APC | Agricultural Product Processing Complex

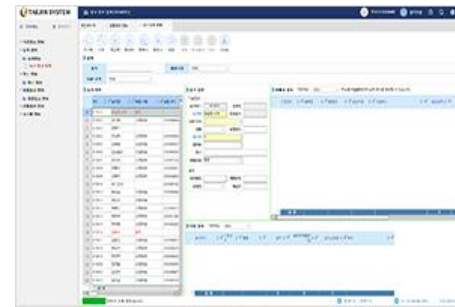
Our Smart APC is an advanced distribution management system that digitizes sorting, storage, packaging, and inventory tasks at production sites using robotics, sensors, IoT devices, and automation equipment.



Sorting quality control



Farmhouse information management



Selective aggregation information management



Raw material input management



Box management



Farmhouse search



Warehouse. Deposit and withdrawal management



Solution

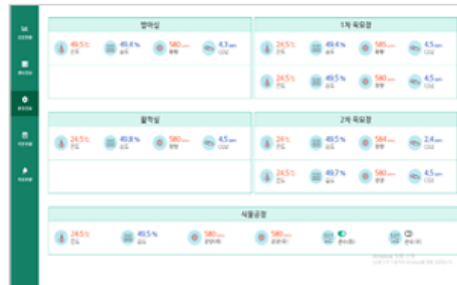


Smart Seedling Management

Our Smart Seedling Management system enhances productivity and reduces operational costs through the database management of greenhouse environmental conditions and growth data from sowing to harvest, while optimizing crop yield settings.



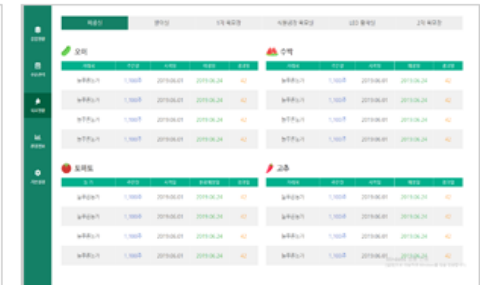
Comprehensive Status Management



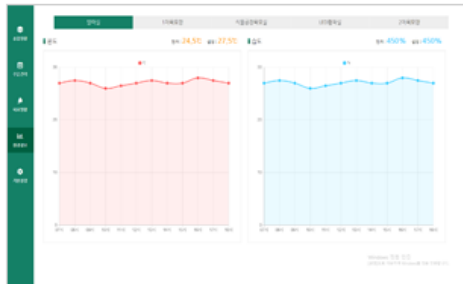
Configuration of Data Environments in Seedling Nurseries



Order Management



Production Management



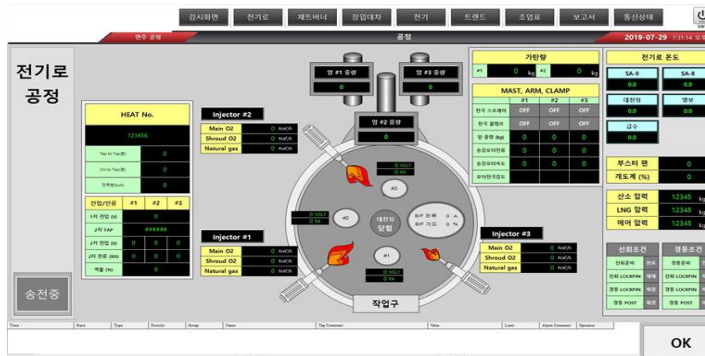
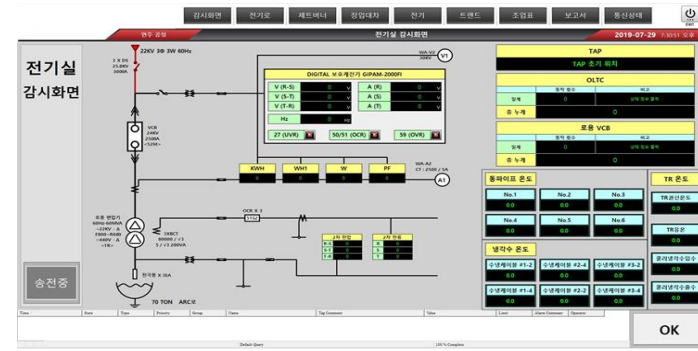
Collection of Seedling Data

Solution



Smart SCADA

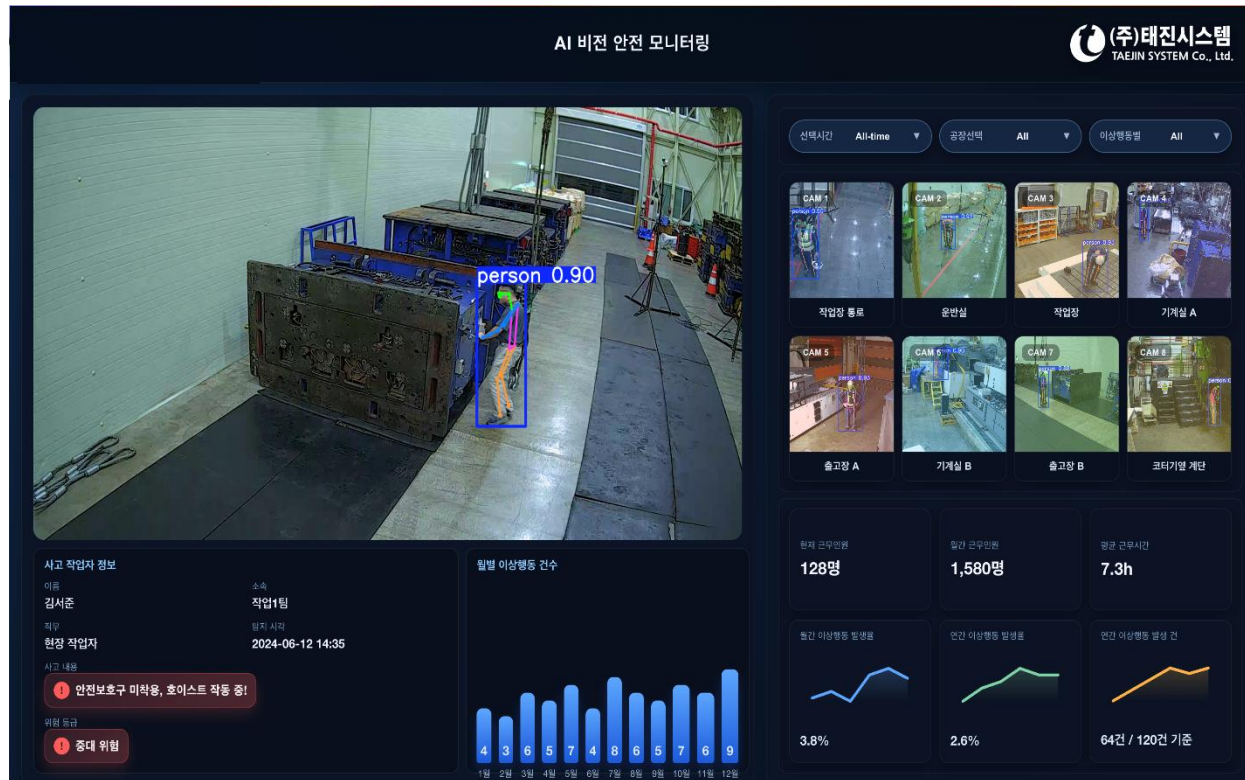
Establishment of an OPC server for control and monitoring communication between the control room and electric furnaces, along with Historian DB logging of the collected data.



R&D Solution

Smart AI Vision

By deploying intelligent AI cameras, the system proactively prevents major industrial accidents and ensures the safety of workers in manufacturing sites.



Intelligent AI cameras, weather data collection devices, and other on-site hardware are deployed based on actual working environment conditions. Collected data is analyzed according to accident types, and detected AI-based risk situations are promptly delivered to safety managers via SNS notifications.

HARDWARE

Smart factory, perfected - through harmony with hardware.

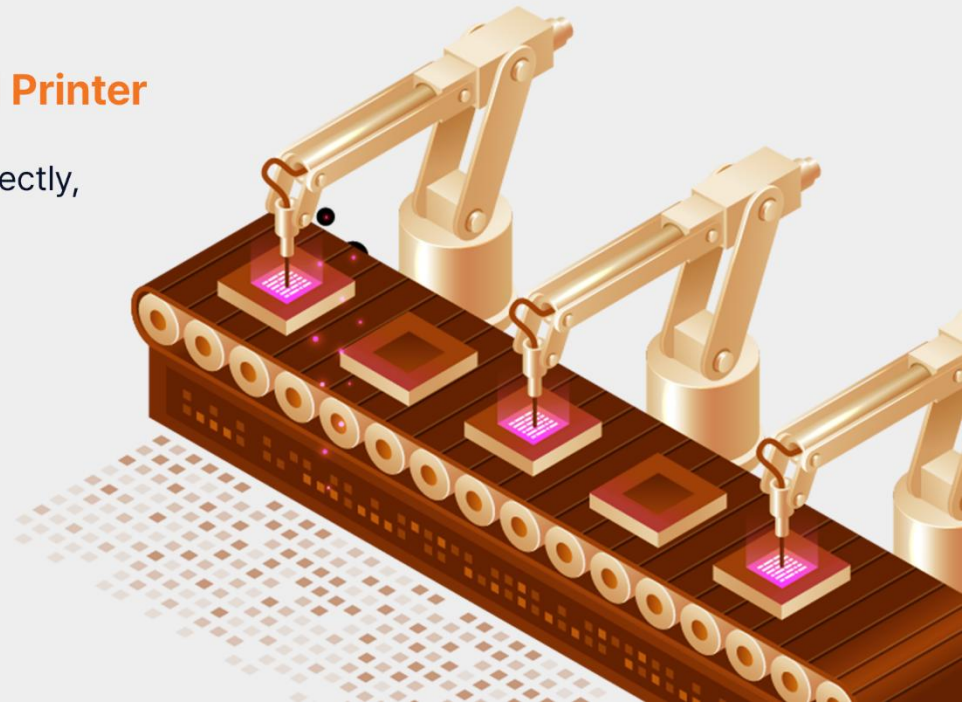
Taejin System provides an **optimal comprehensive solution** that encompasses software and hardware based on its **Mechatronics expertise**.

Barcode Printer / Barcode Scanner / PDA / Label Printer

It provides hardware optimized for the production environment directly,
Build a complete integrated system from installation to operation.

Robot System

Human-centered design aids human work, increases efficiency,
safety, and productivity It has a cooperative robot system.



Hardware

SMART Sensor Business

 **Leuze electronic**
the sensor people



SMART Mobility Business

 **POINT Mobile**

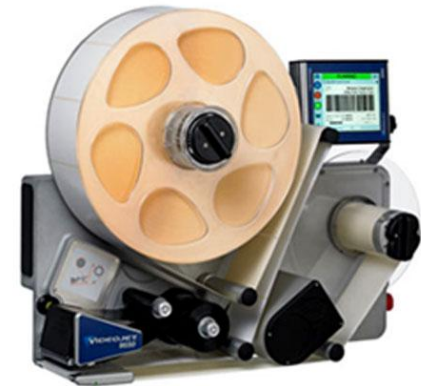
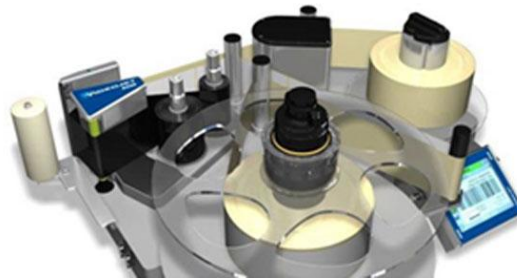


Hardware

SMART Printer Business



SMART Labeller Business



Hardware

SMART Robot Business

TM ROBOT

Qn robot



Hardware

SMART Robot Business

Doosan Robotics



Doosan Palletizing System



Hardware

SMART logistics business

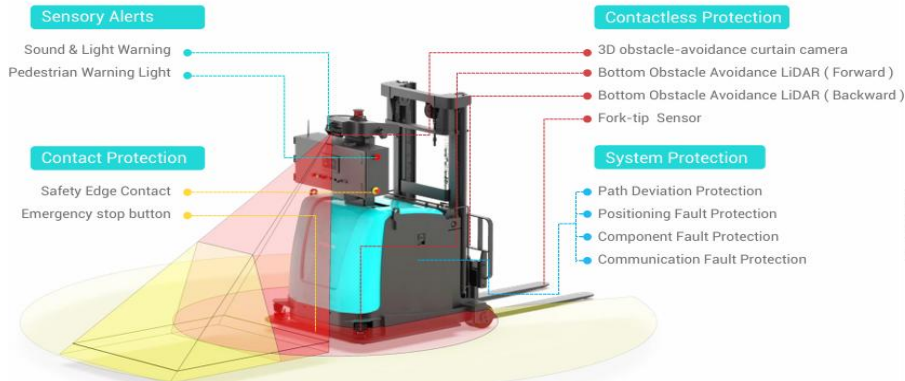
MIR



SMART logistics business

Multiway Robotics

Acoustic + Vision + Physical + Environmental 360° Protection.



SMART Logistics Business

Industrial Unmanned Forklift

VisionNav
Robotics



pallet Jack AGF



Slim Pallet
Stacker AGF



Reach Pallet
AGF



Heavy Duty
AGF



Counterbalance
AGF

NEW



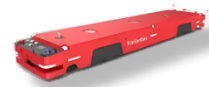
Autonomous
Tugger

NEW



Platform

NEW



Bi-directional
Mouse



SMART Logistics Business

Truck Loading & Unloading Automation Solution



• RockyOne Series



RockyOne

RockyOne SE

• RockyLight Series



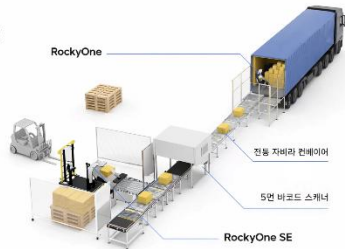
RockyLight

RockyLight SE



Solution

Layout



Solution. Truck Unloading

Layout



Solution. Truck Loading



Solution. Mixed-case Palletizing



Solution. Case Picking

SMART 물류 Business

Industrial Automated Marking Solution



• TTO LASER



• CU



• LASER



• CU



• Auto Labeler



• TU



• CYC JET



• DOT PIN

Hardware

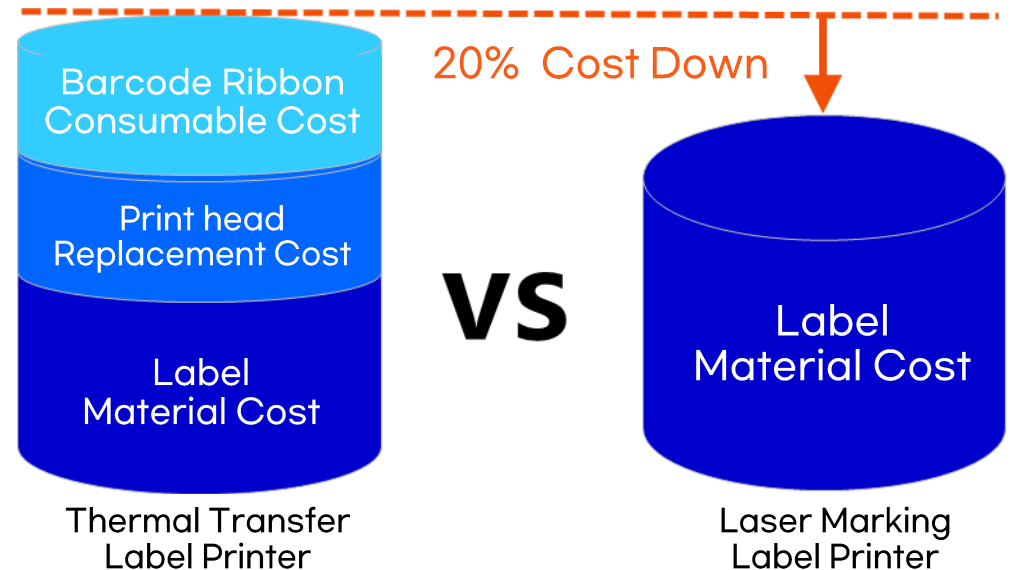
Laser Label Printer



Print Area	108mm(W)x108mm(H)
Print Speed	Max 500 chr/s
Print Resolution	2,000 dpi
Laser Type	Fiber Type
Laser Power	Max 20W
Communication	USB Type
Weight	27 kg
Option Part	Rewinder, TOOLabel S/W, Bartender S/W
Software	Window Print Driver Provided(32,64bit)
Cooling Method	Natural Air Cooling
Electric Source	85 ~ 265 VAC (47 ~ 63 Hz)
Workable Temperature	+10 ~ +35°C

Laser Marking for Labels

- **Reduced Operational Costs**
 - No risk of printhead damage or replacement
 - Eliminates the use of ribbon consumables
- **Durable and Indelible Labeling**



Hardware

Digital Printing Business



Cosmetics, Medical, Manufacturing



Food, Agriculture



Hardware

Filling & Packing Business

SUPPLY ALL KINDS OF PACKAGING SOLUTION
Powder / Liquid / Grain / Vacuum

Materil

Granular Powder Liquid Solid Dishes

Packing Type

Packing Sample

Materil

Mouthwash Powder Liquid Honey Sauce

Packing Type

Packing Sample

Materil

Granular Bread Solid vegetable fruit

Packing Type

Packing Sample

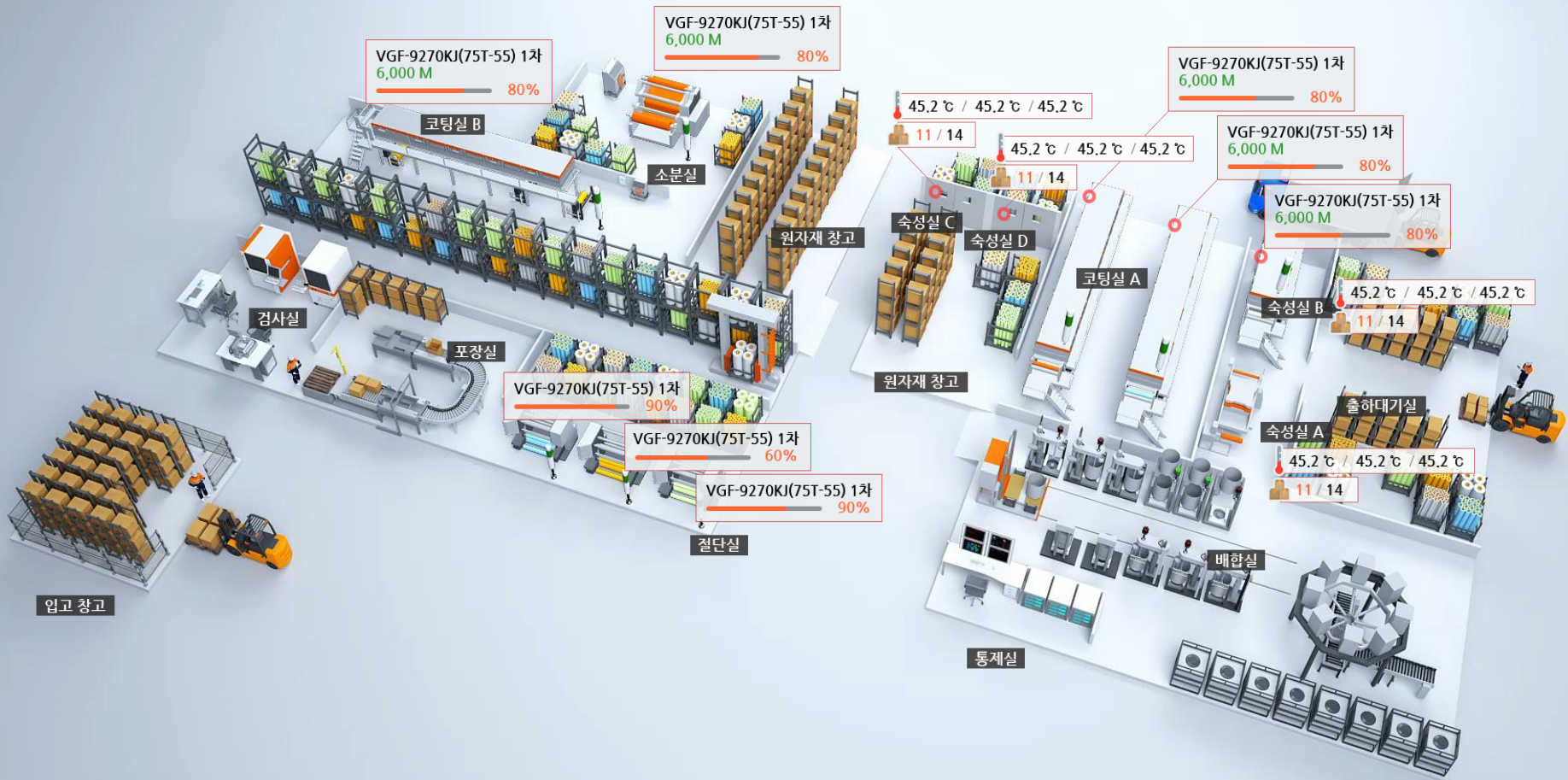


03

System Implementation Cases

Digital Dashboard

Production Process Overview

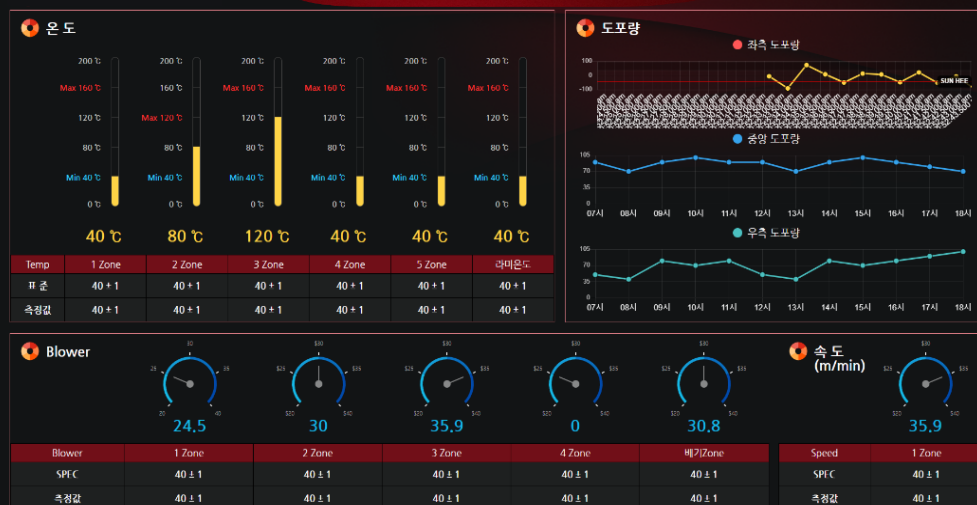


Intergrated Control Center



MES Monitoring

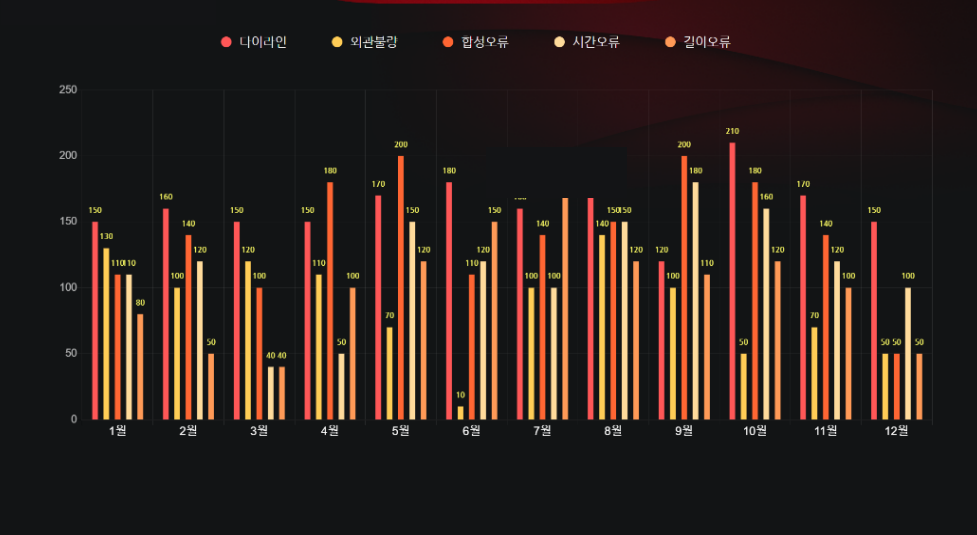
코팅 1호기 BGF-150N-AR(85)



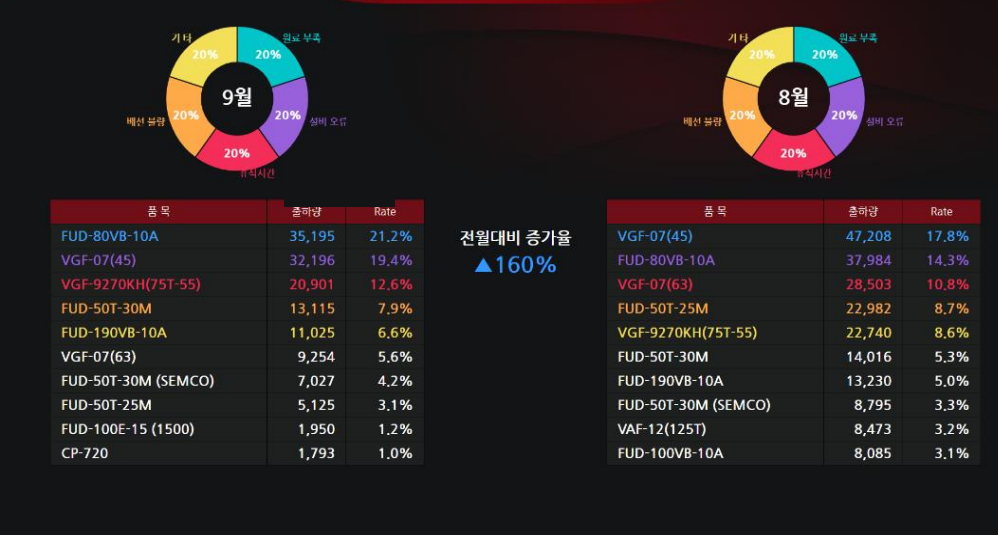
실시간 코팅현황

호기	용역	구분	06시	07시	08시	09시	10시	11시	12시	13시	14시	15시	16시	17시	18시	19시	20시	21시	22시	23시	예약 마감시간	진행률
F1	FUD-150E-15(1500) 1230	목표	VGF-07(45): 6000M																		23:00	80%
		실적	6000M																			
F2	FUD-80VB-10A	목표	FU---																		19:00	100%
		실적	6000M																			
F3	VGF-9270KH(75T-55)	목표	VGF-9270K---																		22:00	100%
		실적	6000M																			
F4	FUD-190VB-10A	목표	FUD-190VB-10A 1차 : 5000M																		21:00	100%
		실적	5000M																			

불량항목별 현황



제품별 출하현황



MES Monitoring



On-site KIOSK Screen

TAEJIN SYSTEM

사출 가동중



2019-03-07 18:24:00
[12090108] 김철수

설비	[2-IM-02] 사출기-02 (LG140)				
작업지시	2019051000006	지시량	400	CAVITY	2
품번	MQIJ 2009	품명	SECTIONAL COVER 1		
품번	14258-DLGKHLKLGHLF	품명			
금형번호	1-A1-25	금형명	SECTIONAL COVER 2		
투입 품번	투입 품명	소요량	바코드	투입잔량	

비가동	
설비고장	<input checked="" type="checkbox"/>
재료보충	<input type="checkbox"/>
재료건조	<input type="checkbox"/>
재료교체	<input type="checkbox"/>
금형교체	<input type="checkbox"/>
휴식 / 식사 시간	<input type="checkbox"/>
기타	<input type="checkbox"/>

불량유형				
미성형불량	-	0	+	
크랙불량	-	0	+	
리드선불량	-	0	+	
수축불량	-	0	+	
외관불량	-	0	+	
공타	-	4	+	
Total		/	4	

시작 종료

0
초기화

24
일일누계

1,280
월 생산누계

1,280
공정재고

450
실적입력

2,280
발행누계

근태관리 체크시트 설비 체크시트

실적입력 실적조회

On-site KIOSK Screen

TAEJIN SYSTEM

사출 비가동

2019-03-07 18:24:00
[12090108] 김철수

설비	[2-IM-02] 사출기-02 (LG140)				
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품번	MQIJ 2009	품명	SECTIONAL COVER 1		
품번	14258-DLGKLGHLGHLF	품명			
금형번호	1-A1-25	금형명	SECTIONAL COVER 2		

계획없음

비가동 시작시간 **13:02:25**
 비가동 경과시간 **110 분**

비가동	불량유형
설비고장 <input checked="" type="checkbox"/>	미성형불량 - 0 +
재료보충 <input type="checkbox"/>	크랙불량 - 0 +
재료건조 <input type="checkbox"/>	리드선불량 - 0 +
재료교체 <input type="checkbox"/>	수축불량 - 0 +
금형교체 <input type="checkbox"/>	외관불량 - 0 +
휴식 / 식사 시간 <input type="checkbox"/>	공타 - 4 +
기타 <input type="checkbox"/>	Total / 4

시작

종료

0

초기화

24

일일누계

1,280

월 생산누계

1,280

공정재고

450

실적입력

2,280

발행누계

근태관리

체크시트

설비 체크시트

실적입력

실적조회

Deployment Examples



Deployment Examples



Intergrated Alarm Monitoring



화상 이미지 모니터링 시스템

2021-10-07 10:00:45

날인
비전

1kg

1호	2호
<p>유통기한 : 2022.03.10 21:22 황동일 B</p>	
2021-10-07 10:00:39	2021-10-07 10:00:39

2.5kg

1호	2호
2021-10-07 10:00:40	2021-10-07 10:00:42

3kg

1호	2호
2021-10-07 10:00:40	2021-10-07 10:00:42

대물

A	B	C
2021-10-07 10:00:43	2021-10-07 10:00:43	2021-10-07 10:00:44

X-ray

1kg

1호

2021-10-07 09:59:20

2.5kg

1호

2021-10-07 09:59:40

3kg

1호

2021-10-07 10:00:10

2호

2021-10-07 10:00:20

Real-time Production Process Monitoring

프레스 생산 진행 현황

2019-11-15 07:24

진행 현황				400TON_1호기			400TON_1호기			400TON_1호기					
설비	지시량	양 품	불량	생산	N3 Gamma2		생산	N3 Gamma2		생산	N3 Gamma2				
400TON_1호기	12,125	1,100	10	생산	TUBE PLATE B		생산	TUBE PLATE B		생산	TUBE PLATE B				
400TON_2호기				이론대비 진도율	210 %	지시대비 납성율	200 %	진도율 (이론/실적)	50 / 200	진도율 (이론/실적)	50 / 200	진도율 (이론/실적)	50 / 200		
400TON_3호기	12,125	1,100	10	생산시간	07:24 ~ 11:24		생산시간	07:24 ~ 11:24		생산시간	07:24 ~ 11:24				
400TON_4호기	12,125	1,100	10	지시량	24,000	양 품	12,000	불량	10	지시량	24,000	양 품	12,000	불량	10
400TON_5호기	12,125	1,100	10	4호기			5호기			6호기					
400TON_6호기	12,125	1,100	10	생산	N3 Gamma2		생산	N3 Gamma2		생산	N3 Gamma2				
7호기	12,125	1,100	10	생산	TUBE PLATE B		생산	TUBE PLATE B		생산	TUBE PLATE B				
8호기	12,125	1,100	10	진도율 (이론/실적)	50 / 200	진도율 (이론/실적)	50 / 200	진도율 (이론/실적)	50 / 200	진도율 (이론/실적)	50 / 200	진도율 (이론/실적)	50 / 200		
9호기	12,125	1,100	10	생산시간	07:24 ~ 11:24		생산시간	07:24 ~ 11:24		생산시간	07:24 ~ 11:24				
10호기	12,125	1,100	10	지시량	24,000	양 품	12,000	불량	10	지시량	24,000	양 품	12,000	불량	10

9월 24일 생산집계 현황

2020-09-24 07:24



설비	1-8월 평균 생산성	전월 실적 생산성	당월실적			
			계획	실적	생산성 목표	생산성 실적
세척 1호기	795	791	261,283	261,907	821	823
세척 2호기	795	791	261,283	261,907	821	823
FLUX 자동	795	791	261,283	261,907	821	823
FLUX 자동	795	791	261,283	261,907	821	823
조립 자동	795	791	261,283	261,907	821	823
압착/ Vision / Marking	795	791	261,283	261,907	821	823
포장	795	791	261,283	261,907	821	823

Flux / 세척 생산 진행 현황

2019-11-15 07:24

Flux 도포기		Flux 수작업대		세척 1호기		세척 2호기	
RPS092012201		RPS092012201		RPS092012201		RPS092012201	
Upper Plate		Upper Plate		Upper Plate		Upper Plate	
생산	지시량 2,125,210	생산	지시량 2,125,210	생산	지시량 2,125,210	생산	지시량 2,125,210
	생산량 1,251,100		생산량 1,251,100		생산량 1,251,100		생산량 1,251,100
	불량 10		불량 10		불량 10		불량 10
설비 온도	150°C A	설비 온도	150°C A	설비 온도	150°C A	설비 온도	150°C A
	250°C B		250°C B		250°C B		250°C B
	250°C C		250°C C		250°C C		250°C C
	110°C D		110°C D		110°C D		110°C D
	160°C E		160°C E		160°C E		160°C E

자동조립공정 진행 현황

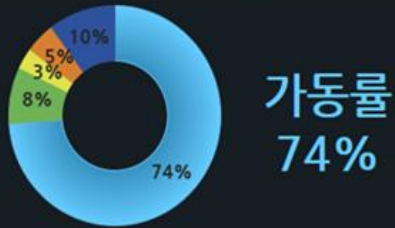
2019-11-15 07:24

전체 지시량: 2,152,400 | 현재 생산량: 1,251,000 | 달성률: 93.3% | 불량수: 50 | 비가동 시간: 20분

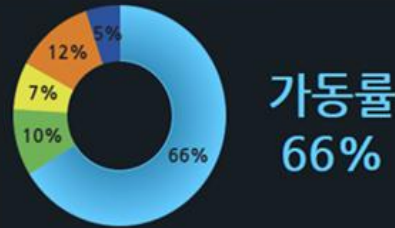
지시번호	지시품목	지시수량	생산량	생산 진행률	높이 / 길이 불량	비가동시간
02-P01-0011	RPS082012301	1,200	1,200	100%	10 / 2	10
02-P01-0012	RPS082012301	1,400	1,000	80%	0 / 0	10
02-P01-0013	RPS082012301	1,000	1,000	100%	10 / 0	0
02-P01-0014	RPS082012301	15,200	13,000	80%	10 / 0	0
02-P01-0015	RPS082012301	1,300	1,300	100%	10 / 0	0
02-P01-0016	RPS082012301	1,000	800	80%	10 / 0	0
02-P01-0017	RPS082012301	1,200	1,200	100%	0 / 0	0
02-P01-0018	RPS082012301	1,200	810	80%	0 / 0	0
02-P01-0019	RPS082012301	2,200	2,200	100%	0 / 0	0
02-P01-0020	RPS082012301	1,200	840	80%	0 / 0	0

Real-time Status Monitoring

가동률 / R-Mixer 1호기



가동률 / R-Mixer 2호기



가동률 / R-Mixer 3호기



가동률 / 지대포장기

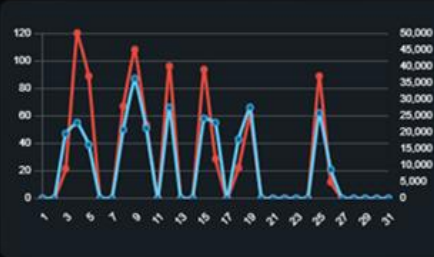


- 가동
- 교육
- 작업준비
- 청소
- 원료교체
- 설비고장
- 금형교체
- 기타

R-Mixer 1호기 일별 차트



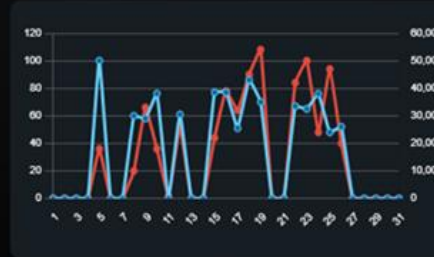
R-Mixer 2호기 일별 차트



R-Mixer 3호기 일별 차트



지대포장기 일별 차트



- 가동률
- 생산량

일자별 구분		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	월누계	
생산량(TON)	R-Mixer 1호기		35	30	34	30			26	44	27	42	33			22	39		32	40			35	50	30	51	33							632
	R-Mixer 2호기			9	50	37			28	45	22		40		39	12		9	25							37	5							358
	R-Mixer 3호기			59		48	52		43	60		60	45		43	66	36	66	17						40	64	34							733
	지대포장기					18			10	33	18	1	26			22	39	32	45	54				42	50	24	47	20						481
가동률(%)	R-Mixer 1호기		53	67	62	44			63	56	44	47	62			85	55		56	73				65	72	46	74						60	
	R-Mixer 2호기			47	55	39			50	87	51		66		58	55		43	66							62	21						59	
	R-Mixer 3호기			63		60	55		66	82		59	54		58	56	54	55	49						60	61							60	
	지대포장기					100			60	58	76		61			77	77	51	86	70				67	65	76	48	52					74	

HACCP Monitoring

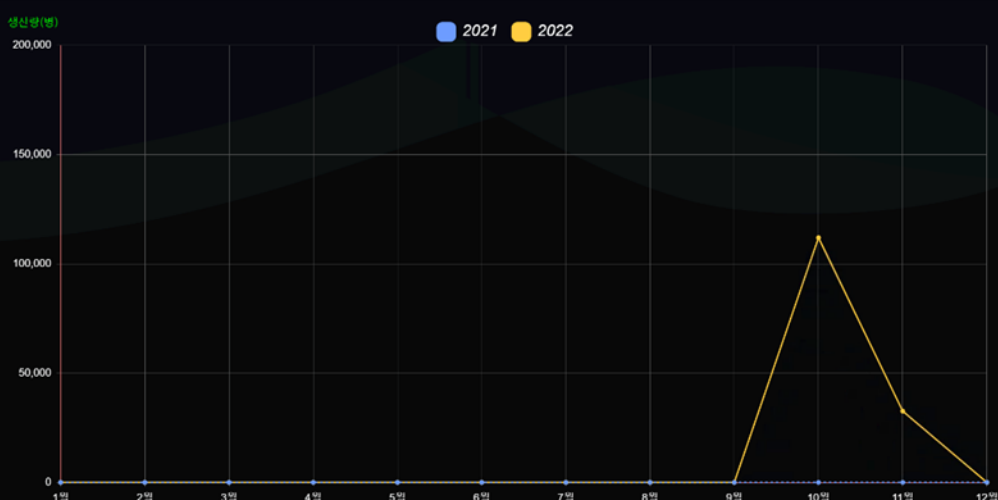
작업지시 대비현황

2022-11-08 18:01

작업지시번호	품명	지시량 (BOX)	생산량 (BOX)	불량량 (개)	불량률	달성률
WO22110029	창원생탁주 750ml (수입산)	137	137	0	0.0%	100.0%
WO22110030	창원생탁주 1.2L (수입산)	55	55	0	0.0%	100.0%
WO22110031	우포생막걸리 (수입산)	53	53	1	0.1%	100.0%
WO22110032	북면생막걸리 (수입산)	8	8	0	0.0%	100.0%
WO22110033	창원생탁주 1.2L (국내산)	4	4	0	0.0%	100.0%
WO22110034	옛맛생막걸리 (국내산)	16	16	0	0.0%	100.0%
WO22110035	오막하세 750ml	40	40	0	0.0%	100.0%
WO22110036	맑은내일 발효막걸리750ml(수입산)	58	57	0	0.0%	98.3%
WO22110037	맑은내일 스파클링(수입산)750ml	10	15	0	0.0%	150.0%

월 제품별 생산현황

2022-11-08 18:00



설비별 온도 현황

2022-11-08 18:00

발효탱크106

발효탱크107

발효탱크108

발효탱크109

발효탱크110

발효탱크111

제성탱크301

제성탱크302

태진시스템
TAEJIN SYSTEM Co.,

염기성 R-Mixer 가동현황 2024-01-26 15:48:23

가동 비가동 계량대기 계량중 계량완료

지시일자	품명	배치 계획량	배치 실적량	생산 계획량	생산 실적량	오퍼레이터	순경수
2024-01-26	SP-90TDA>MTC128>HD STEEL-D	52	33	52,000	33,000	박민태 투입	김종찬
						원모 투입	원종민
						가타 1	송가수
						가타 2	-----

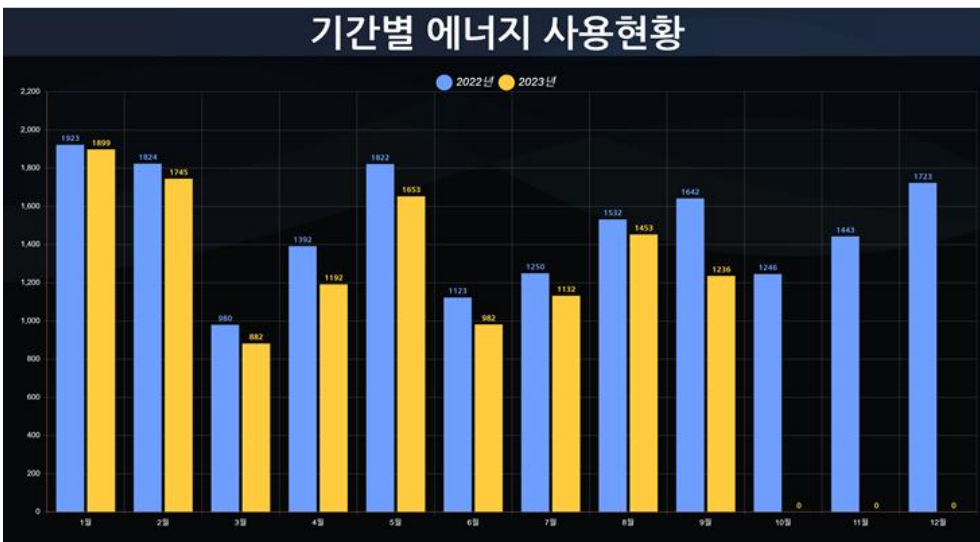
FEMS Monitoring



실시간 에너지 사용현황

0~30% 31~50% 51~70% 71~99% 100%

장치명	현재 수집 값	일누계	일계획량	사용률
사출2호가-120톤	6432kw	2000kw	2000kw	100%
사출11호가-150톤	5234kw	1700kw	2000kw	85%
사출10호가-120톤	4853kw	1540kw	2000kw	77%
사출9호가-160톤	4325kw	1240kw	2000kw	62%
사출8호가-160톤	3412kw	1160kw	2000kw	58%
사출7호가-170톤	3452kw	780kw	2000kw	38%
사출5호가-110톤	2452kw	700kw	2000kw	35%
사출3호가-160톤	2342kw	540kw	2000kw	27%
사출2호가-160톤	3521kw	360kw	2000kw	18%
사출1호가-160톤	3647kw	340kw	2000kw	17%



경보알람

1호가-160톤 71kw	2호가-160톤 62kw	3호가-160톤 115kw	4호가-160톤 132kw	5호가-110톤 98kw	6호가-160톤 88kw
7호가-170톤 105kw	8호가-170톤 77kw	9호가-160톤 44kw	10호가-120톤 75kw	11호가-150톤 173kw	12호가-150톤 166kw
13호가-380톤 64kw	14호가-240톤 64kw	15호가-240톤 193kw	16호가-200톤 202kw	17호가-200톤 232kw	18호가-200톤 32kw
19호가-240톤 35kw	20호가-200톤 35kw	오토피딩 43kw	칠라A 55kw	칠라B 56kw	컴프레사1 4kw

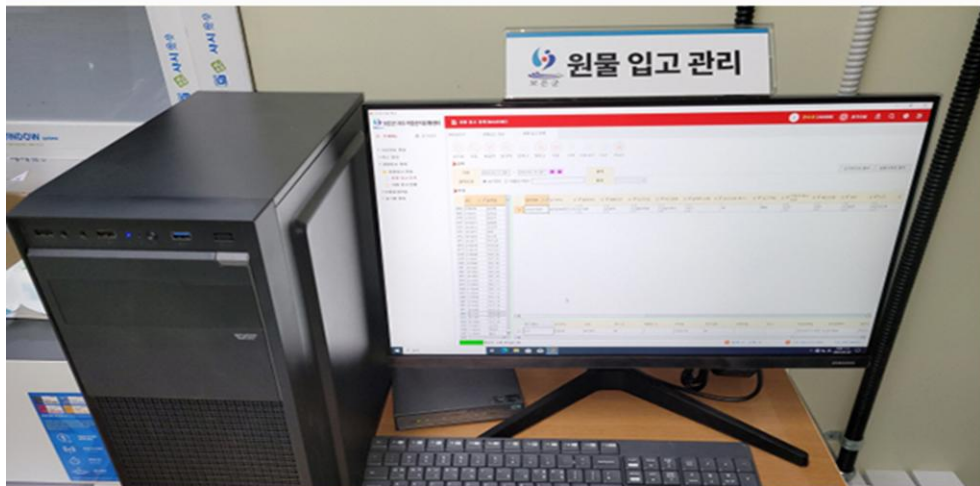
Implementation Example (Smart APC)



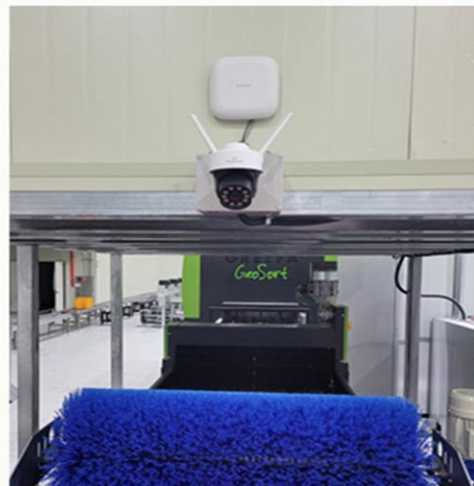
Kiosk



Monitoring



PC



CCTV



Barcode scanner

Implementation Example (Smart APC)



Inspection Result Panel



LED Display Board, CCTV



On-site Data Acquisition Hub



Rabel Printer



Marking System

Automated Mixing System



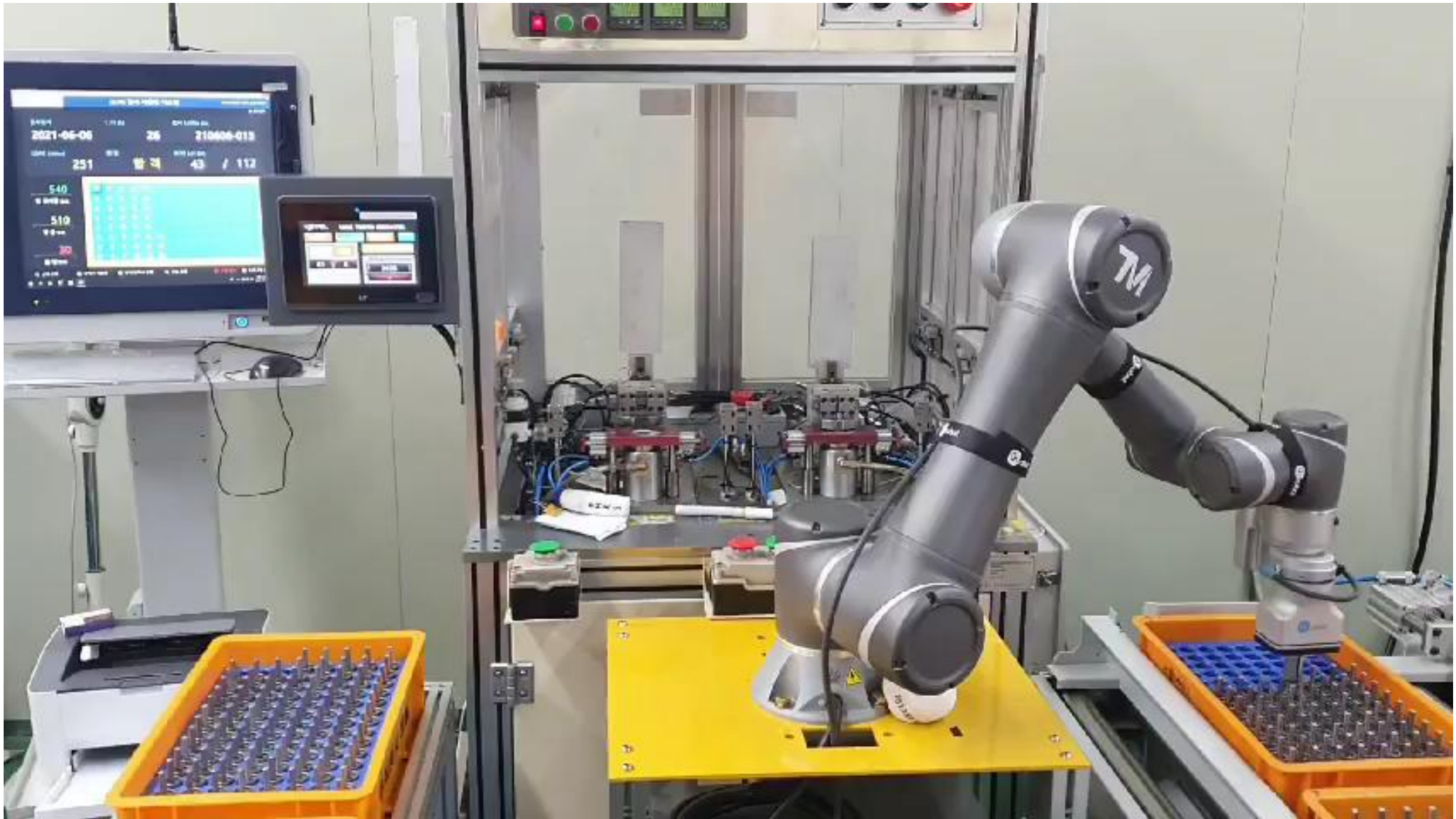
AMR (Video)



Vision system (Video)



Cobot Automation (Video)



Cobot Automation (Video)



Cobot Automation (Video)

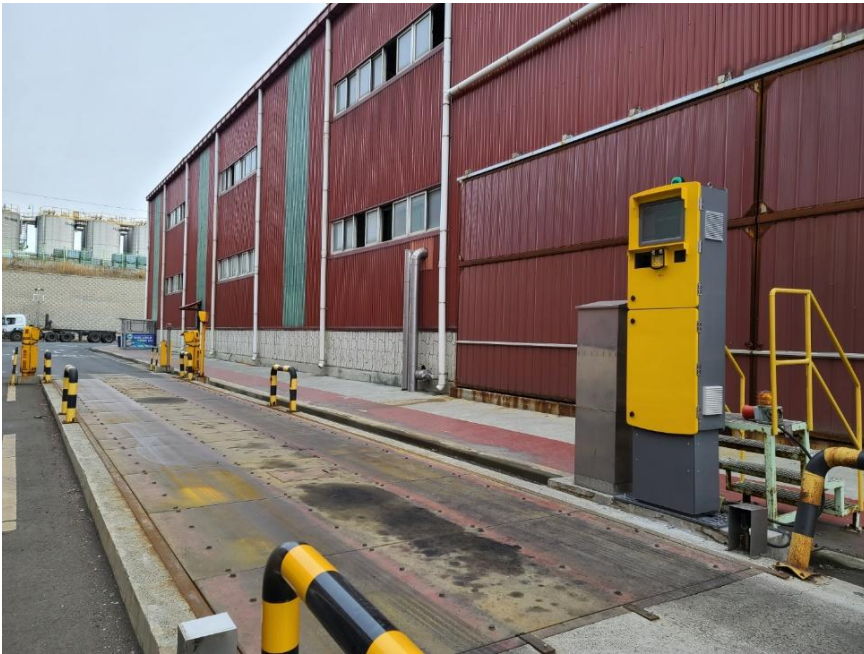


Smart CART



Smart Unmanned Weighing System

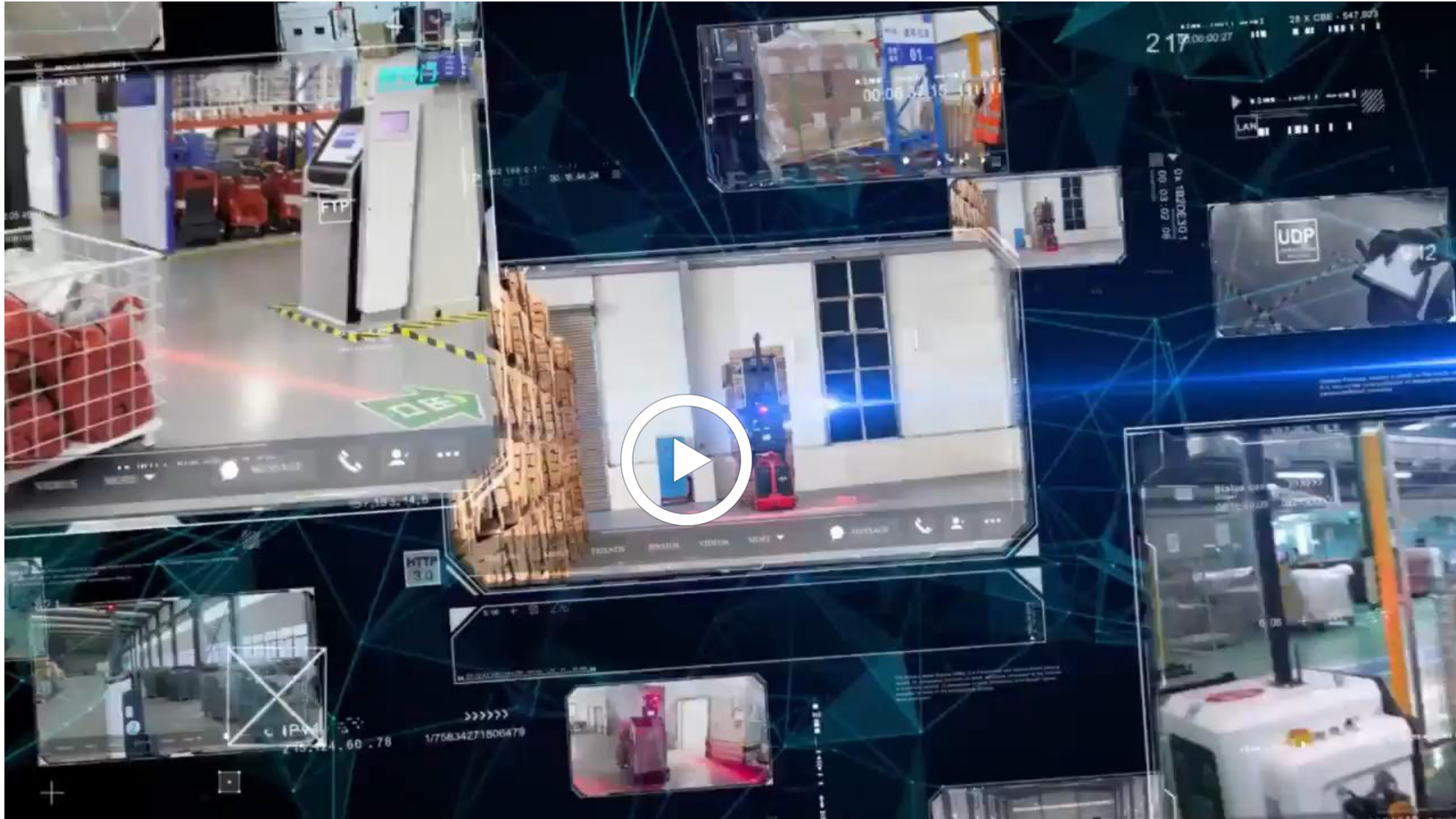
System development tailored to customer site environments through various interfaces such as QR codes, RFID tags, and LPR. Providing and managing integrated systems, covering everything from software to operational hardware.



Auto labelling System (Video)



Multyway Logistics Automation (Video)

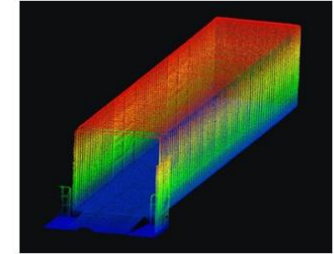


Automated Truck Loading & Unloading Solution(Video)



SLAM Navigation

Autonomous recognition of container structures through 360° 3D environmental sensing, enabling free navigation inside the container.



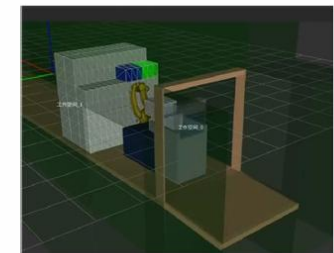
3D Vision

Enables recognition of new boxes without separate model registration; accurately detects box size, position, and orientation for rapid operation.

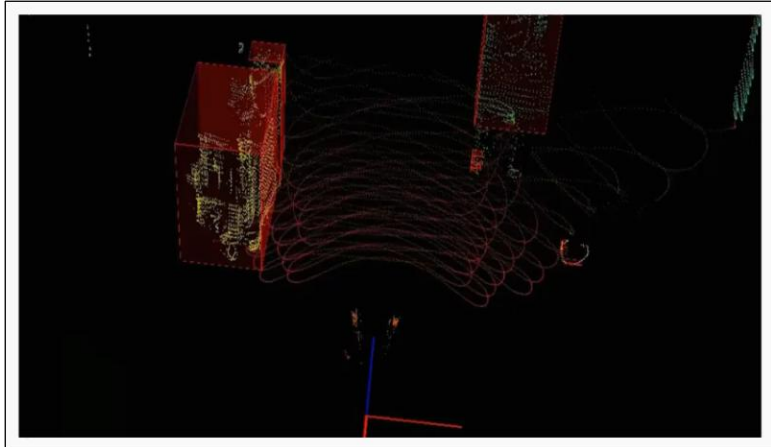
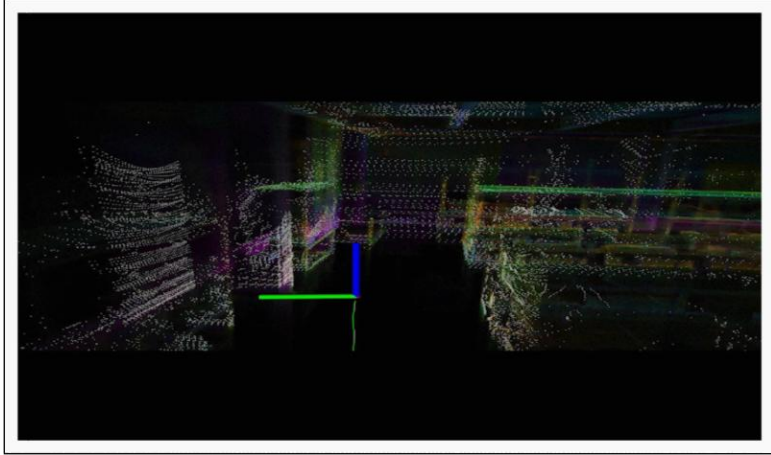
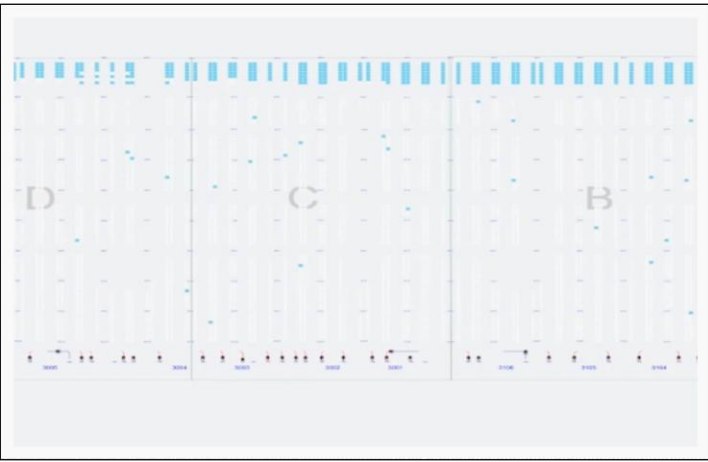


Motion Planning

Ensures smooth and safe robotic arm operation even in confined spaces, preventing collisions inside the container.



Logistics Palletizing & Automation (Video)



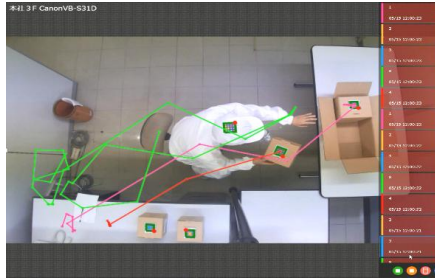
Chameleon Code System

Site Overview /Production Performance Collection



Tracking worker locations and automatically collecting production performance data for each process. This reduces manual recording time and enhances data precision.

Worker Movement Analysis



Capturing worker movement paths to utilize for process improvement. Data is integrated with BI tools for analysis and can be verified via video by linking with VMS or NVR systems.

Product/Work-in-Progress Location Tracking



Automatically collecting location data for products and installations. This minimizes search time for items and enables transport automation through integration with AGVs and AMRs..

Vehicle Entry & Exit Management



Recognizing vehicles at construction sites or factory gates via camera to alleviate entry congestion. Managing cargo information by integrating with truck scales.

Inbound, Inventory, Picking



Reducing time for inbound/outbound and inventory audits by utilizing multi-recognition features. Improving productivity and accuracy by using cameras to prevent shipping errors.

Small Item Management



Applicable even to small items that are difficult to manage with conventional codes. Reduces time and eliminates human error during item searching or inventory organization.

Ultrasonic Cutting Machine



Ultrasonic Transducer



Product Applications




Ultrasonic Welding Machine





Ultrasonic Sewing Machine



Product Applications



Ultrasonic Sealing and Cutting Machine



Product Applications




Ultrasonic Machining



Product Applications



Ultrasonic Cutting Machine



Product Applications



Ultrasonic Homogenizer



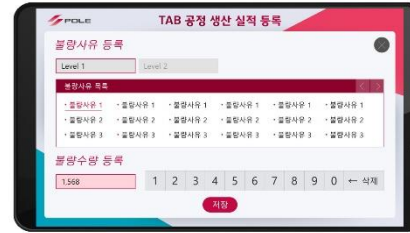
Product Applications



Measuring Equipment



Explosion-proof Equipment



Digital labeling Solution



혁신적인 원가절감 방법, 애니트론 인하우스 컬러 라벨 솔루션

꿀맛나는 세상

소량다품종 생산 대응! 고객니즈 완벽 충족!

양념육 제조업체 G사 식품 라벨 프린터

도입 사례



도입 전

- ▶ 많아지는 고객수에 대응하기 어려움
- ▶ 제품군에 맞는 다양한 라벨 제작이 어려움
- ▶ 소량 발주가 불가능해 소량다품종 시스템 검토

도입 후 효과

- ▶ 라벨 디자인, 표시사항 수정이 자유로워짐
- ▶ 소량 제품 공급 확대에 의한 거래업체 증가
- ▶ 양념육 제품 케이스에 맞는 라벨 출력

신비인터내셔널

식품 라벨 솔루션 도입사례



신비인터내셔널

도입 전

- ▶ 라벨을 불필요하게 낭비하면서 원가 상승
- ▶ 최소 3~4일 이상의 발주 기간
- ▶ 재고관리의 어려움 등

도입 후 효과

- ▶ 소량 주문 대응이 가능해짐
- ▶ 대량 발주를 하지 않아도 되어 폐기 라벨 감소
- ▶ 납기 문제, 제품 출고 지연 문제 해결
- ▶ 라벨 원가 절감

별별농부 함안농부협동조합



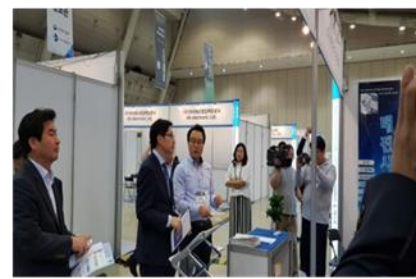
도입 전

- ▶ 다양한 품종의 파우치 제작 어려움
- ▶ 라벨 디자인, 요구사항 등 수정에 대한 제약
- ▶ 비싼 라벨 제작 비용

도입 후 효과

- ▶ 원하는 수량만큼 소량이라도 즉시 출력
- ▶ 냉장/냉동 식품에도 지워지지 않는 라벨 퀄리티
- ▶ 연포장지 인쇄부터 충전, 실링까지 가능

Gallery



“ Work **Smart** , Life **Smile** ”

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- 44, Charyong-ro 48beon-gil, Uichang-gu, Changwon-si, Gyeongsangnam-do, Republic of Korea
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