

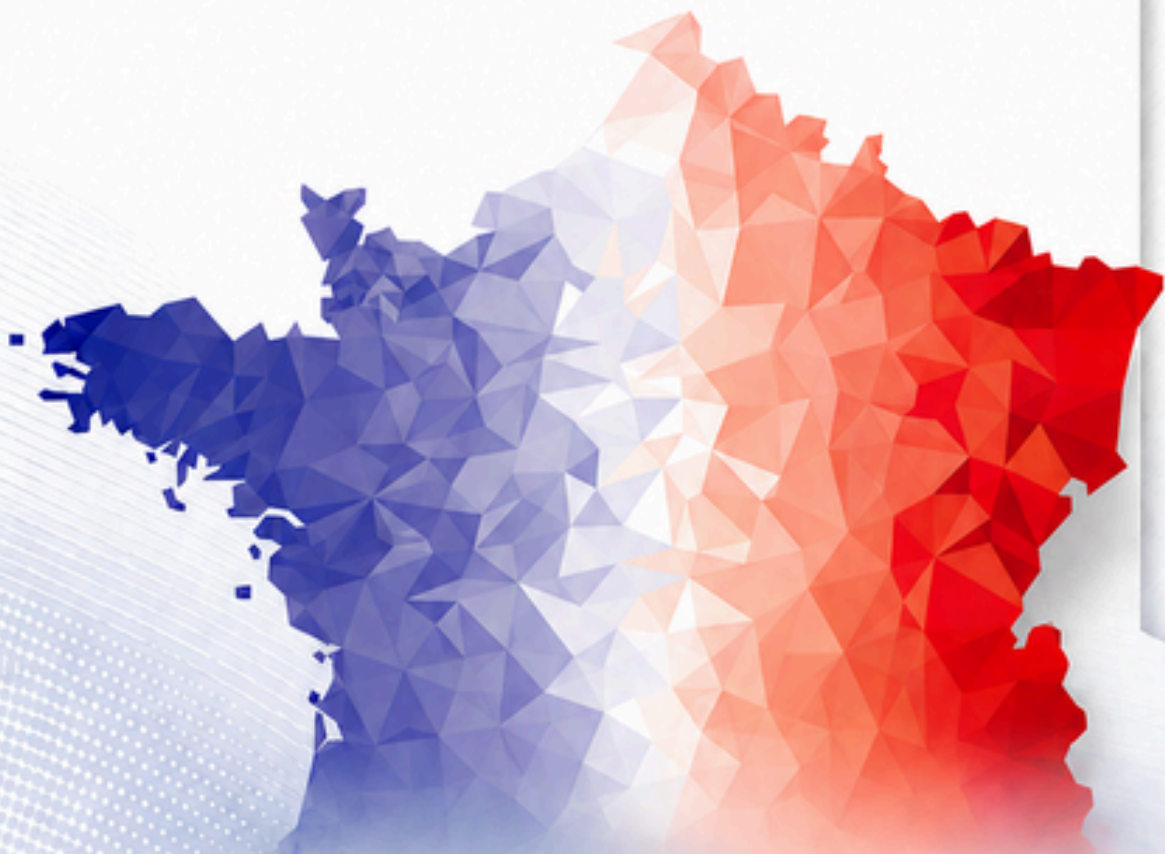
# K-STARTUP PAVILION

Hall 7.1-C32

**VIVATECH**

17-20 JUNE 2026 / PARIS

DIRECTORY

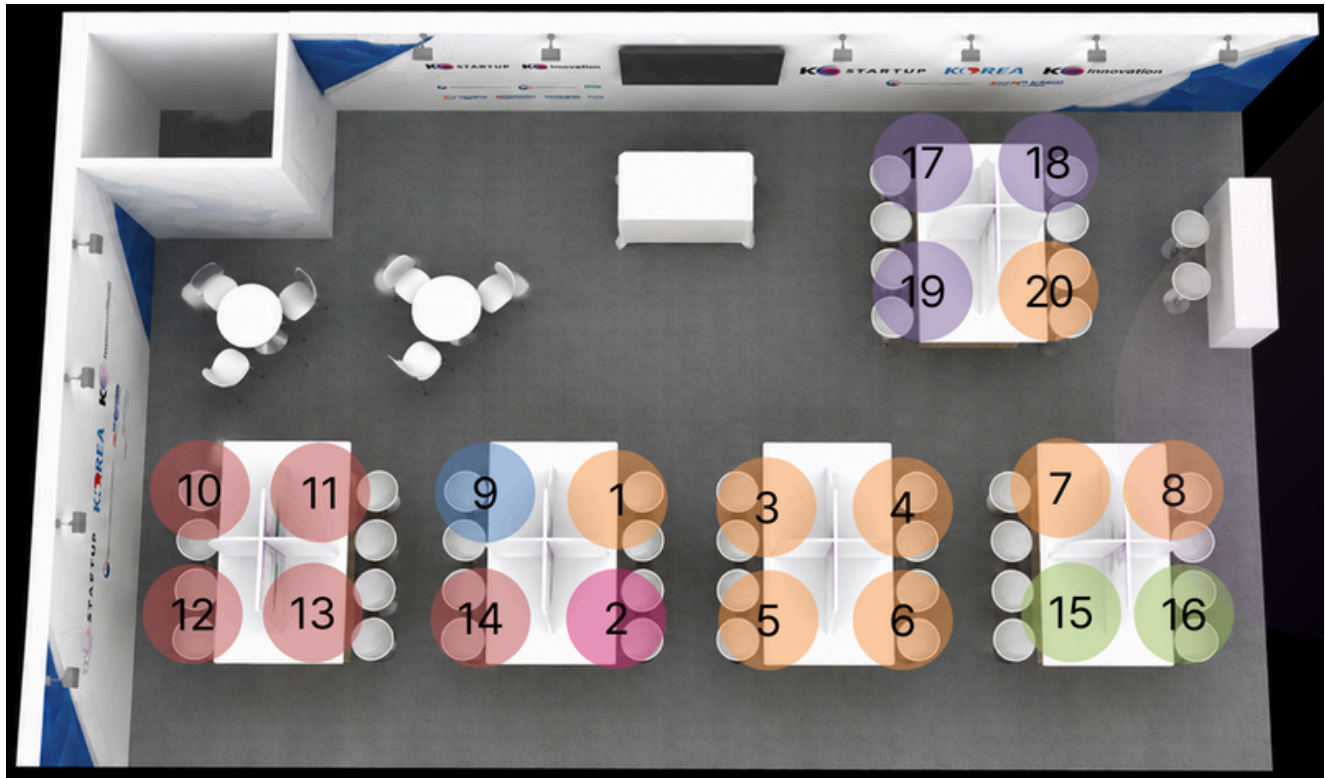


# EXHIBITORS



CATEGORY	COMPANY	WEBSITE	PAGE
Artificial Intelligence	Greneta Corp.	<a href="http://www.greneta.ai">www.greneta.ai</a>	1
	StepHow Inc.	<a href="http://www.wissly.ai">www.wissly.ai</a>	3
	BONJAC Inc.	<a href="http://selvatico.co">selvatico.co</a>	4
	Ingkle	<a href="http://www.ingkle.com">www.ingkle.com</a>	5
	STIGMA Co.,Ltd	<a href="http://www.stigmata.co.kr">www.stigmata.co.kr</a>	6
	SconAI Inc.	<a href="http://sconai.com">sconai.com</a>	7
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Creative Industries	StyleAI Inc.	<a href="http://www.styleai.io">www.styleai.io</a>	2
Cybersecurity & Defense	YATAV	<a href="http://www.yatavent.com">www.yatavent.com</a>	9
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	HIGH-ON	<a href="http://www.highonbio.com">www.highonbio.com</a>	11
	Aero-ONE	<a href="http://www.aero1.co.kr">www.aero1.co.kr</a>	12
	Vision Innovation Co., Ltd.	<a href="http://visioninnovation.co.kr">visioninnovation.co.kr</a>	13
	FORNATURES	<a href="http://www.fornatures.com">www.fornatures.com</a>	14
	Productivity Reimagined	PowerAuto Robotics Co., Ltd.	<a href="http://www.pa-robotics.co.kr/company">www.pa-robotics.co.kr/company</a>
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Tech Beyond the Obvious	NanoGenesis Inc.	<a href="http://www.nanogenesis.co.kr">www.nanogenesis.co.kr</a>	17
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# BOOTH LAYOUT & LIST



CATEGORY	No.	Company	CATEGORY	No.	Company
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	4	BONJAC Inc.		12	Aero-ONE
	5	Ingle		13	Vision Innovation Co.,Ltd.
	6	STIGMA Co.,Ltd	Productivity Reimagined	14	FORNATURES
	7	SconAI Inc.		15	PowerAuto Robotics Co., Ltd.
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Creative Industries	2	StyleAI Inc.	Tech Beyond the Obvious	18	ABR Co., Ltd
Cybersecurity & Defense	9	YATAV		19	MCE Inc.



# Greneta Corp.

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## STARTUP OVERVIEW

GrenetGreneta AI is a pioneering spatial intelligence company delivering next-generation 3D data infrastructure for **Physical AI and autonomous** industrial automation.

Currently, global manufacturing and heavy industries face a critical bottleneck in managing terabyte-scale 3D spatial datasets that trigger severe system latency, alongside an unresolved sim-to-real domain gap between simulation environments and reality.

Our mission is to transform dense, unmanageable field data into lightweight, secure virtual environments, establishing the global standard for 3D data ecosystems where autonomous machines and robots can perceive, navigate, and operate flawlessly.

## PRODUCT / SOLUTION

<p><b>Ultra-Precision (Sub-2mm) &amp; 95.2% Compression</b></p>	<p><b>Stable FPS for LED Walls &amp; Gen-AI Optimization</b></p>	<p><b>'Dual-Layer AI' for Sim-to-Real Precision</b></p>
-----------------------------------------------------------------	------------------------------------------------------------------	---------------------------------------------------------

**Greneta 3D Engine**, our flagship solution, is a specialized software designed to fully automate the generation, compression, and optimization of ultra-large-scale 3D spatial datasets.

**Sim-to-Real Dual-Layer Fusion**

By fusing photorealistic 3DGS (3D Gaussian Splatting) layers with robot-perceived, LiDAR-based physical collisionlayers into a single coordinate system, it automatically constructs hyper-precise virtual spaces with a sub-2mm error margin.

**Variable FPS-based Computational Optimization**

Through site-optimized Variable FPS (Frame Per Second) technology, it eliminates data redundancy to slash post-processing and AI training times by up to 25x.

**Up to 99.6% lossless compression**

By fully leveraging NVIDIA CUDA parallel computing and NVENC hardware acceleration, it achieves up to 99.6% lossless compression with zero geometric distortion, radically reducing data transfer latencies and storage overhead.

## PARTNERING WITH US

- We are actively seeking strategic partnerships with global leaders in the **energy, maritime, and heavy manufacturing sectors** looking to revolutionize their digital twin infrastructure.
- We welcome global partners and buyers who aim to reduce 3D spatial data management costs by over 95% and eliminate system latency through our automated ultra-compression technology and sub-2mm precision. Let's collaborate to build the most efficient, secure, and resilient environments for the future of Physical AI





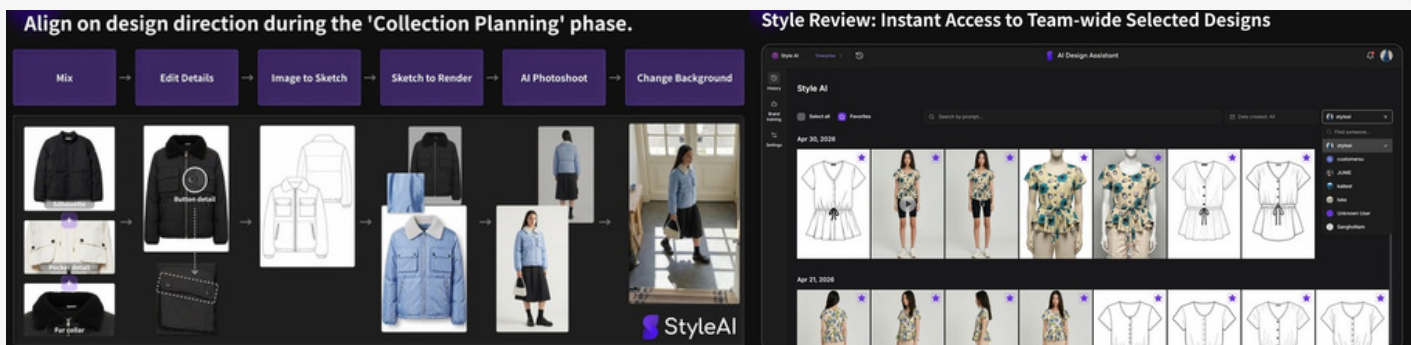
# StyleAI Inc.

**Website** [www.styleai.io](http://www.styleai.io)  
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## STARTUP OVERVIEW

StyleAI is a premier **sustainable** AI workspace designed for fashion design teams to "Design Faster. Spend Less." We optimize the entire design-to-production workflow, delivering **4x faster sketch development** and helping global leaders like Karl Lagerfeld and National Geographic achieve significant ROI. Our solution reduces sampling costs by 66% and accelerates time-to-market by 2+ weeks. By replacing physical waste with digital validation, we empower brands to lead the industry with structural sustainability.

## PRODUCT / SOLUTION



StyleAI is a fashion-specific AI solution engineered to maximize design creativity while driving enterprise sustainability.

<b>Sustainable Workflow</b>	By replacing complex prompt engineering with a simple image drag-and-drop interface, it instantly generates new styles and sketches to minimize resource waste during the planning phase.
<b>High-Fidelity Visualization</b>	Through core features like 'Image to Sketch' and 'Sketch to Render', it instantly transforms abstract ideas into photorealistic visuals. This enables accurate style reviews with merchandisers and store managers, accelerating decision-making cycles and completely preventing redundant sample production.
<b>Proven Efficiency</b>	It delivers 4x faster sketch development compared to conventional workflows, shortening overall design lead times by 2+ weeks. Furthermore, through advanced digital validation, it slashes physical sampling and model photoshoot costs by up to 66%, driving long-term economic sustainability.
<b>Enterprise Collaboration</b>	Featuring team history management and smart filtering capabilities, it enables global teams to securely archive design assets and seamlessly manage finalized styles.

## PARTNERING WITH US

- Forward-thinking fashion brands seeking a sustainable, design-to-production AI workspace to compress their time-to-market.
- Enterprise brands aiming to accelerate sketch development by 4x and slash physical sampling costs by 66%.
- Innovative fashion design agencies driven to pioneer the next generation of eco-efficient design and structural sustainability.





**WISSLY**

**StepHow Inc.**

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**STARTUP OVERVIEW**

StepHow is an AI startup founded in 2024 by a serial entrepreneur CEO with experience as an VC at a major corporation, a KAIST-trained AI expert CPO, and a CTO with 10 years of experience as a tech lead at Big Tech and large enterprises.

**PRODUCT / SOLUTION**

The infographic is divided into four main sections:

- Impact Metrics:**
  - 95% Faster Data Discovery
  - 60% Reduction Data Search Time
  - 45% Lower Communication Costs
  - 85% Boost Workflow Efficiency
  - 70% Faster Decision-Making
- Security:**
  - GDPR Compliance: Global-standard privacy and data protection
  - Zero-Trust on AWS: Strict server and database control
  - Data Privacy Assured: Data never used for AI training
- Deployment:**
  - Public Cloud (SaaS): Immediate scalability and ease of use
  - Private Cloud: Dedicated infrastructure for enhanced control
  - On-Premises: Full data sovereignty within your internal network
- The Core Value of Wissly:**
  - Unified Data:** Millions of documents (100TB+), ERP, SaaS tools, and email integration
  - Actionable Intelligence:** Instant, Precision-driven AI Answers, Automated analysis and insights
  - Document Automation:** Reports & Business Plans, Data-Driven Customization
  - Custom Chatbots
  - Advanced OCR
  - Real-time Sync
  - Source Citation
  - Multilingual Support
  - Enterprise Security

Its flagship product, Wissly, is an enterprise AI RAG agent that connects to internal documents, ERP systems, SaaS tools, and other workplace platforms to learn from large-scale internal company data. Wissly supports workflow automation and data-driven decision-making. StepHow is growing rapidly, having raised \$500,000 million in funding and secured more than 70 B2B customers. In global markets, the company is generating revenue across the United States, Europe, Australia, and other regions, centered around its U.S. entity.

Wissly AI leverages RAG (Retrieval-Augmented Generation) technology to automatically preprocess and learn from large-scale enterprise data, including internal documents as well as data from ERP systems, SaaS tools, and other business applications. Through AI Agents, Wissly automates a wide range of knowledge work, including document and business data search, analysis, and generation, while structuring key information based on the context and relationships across documents and data. Designed to process and learn from large volumes of internal documents, ERP data, and SaaS data in real time without limitations on document count or data scale, Wissly continuously enhances its document and data processing performance and scalability.

**PARTNERING WITH US**

- Wissly is on a mission to securely automate enterprise internal knowledge, and we are looking for global partners to lead the way with us.
- If your company specializes in IT/SI, ERP/SaaS, Cloud Solutions, or AI Consulting, let's explore how we can grow together. We are actively expanding our global footprint, with a particular focus on establishing strong strategic partnerships in Europe.
- Join us in delivering secure, next-generation AI automation to enterprises worldwide.



# Selvatico

# BONJAC Inc.

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## STARTUP OVERVIEW

BONJAC Inc. operates premium scent brand Selvatico and develops an AI-powered scent curation layer, combining Brand × Data × AI Curation × Commerce. Selvatico launched at Hyundai (Nov 2022), reached cumulative brand revenue of approx. KRW 3.28B (vat+) by end-2025, and entered Lane Crawford Hong Kong (May 2026). BONJAC is a L'Oréal Big Bang Open Innovation 2026 finalist (PoC underway), holds strategic investment from Villa Blu by ROBERTET, and was selected for TIPS Global R&D. Made in France × Engineered in Korea.

## PRODUCT / SOLUTION



The brand unfolds in literary chapters — Chapter 1 La Nature Retrouvée and Chapter 2 Le Temps Retrouvé (Marcel Proust) released; with the next chapter in development. Lines extend to hand solutions, body mists, amenity sets, and an upcoming hair-care line.

BONJAC is developing Scent ID — an AI-powered scent curation layer in development combining Scentpedia's scent data with scent experience data from Selvatico's retail touchpoints, curating fragrances via an explainable recommendation engine. Selvatico also participated in Notes Shanghai 2024 and 2025, including a joint presentation with Robertet on bridging Europe and Northeast Asia through fragrance.

## PARTNERING WITH US

BONJAC seeks:

- European premium retailers (department stores, niche select shops, fashion concept stores for Selvatico).
- Beauty groups and CVCs for Scent ID open-innovation beyond L'Oréal Big Bang.
- Fragrance/ingredient houses for collaboration;
- ✪ross-border investors for global expansion and strategic growth.





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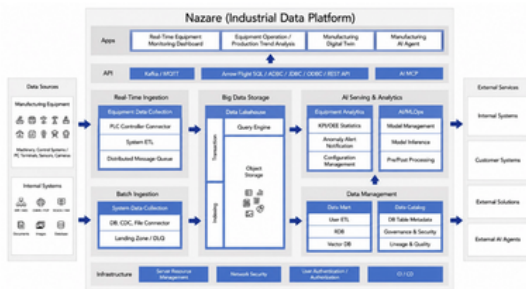
## STARTUP OVERVIEW

Ingle is the manufacturing-AI data platform chosen by 30+ global manufacturers — including Renault HQ, Bosch, Samsung, LG, Hyundai Mobis, Hyundai Steel, Hyundai Rotem, and MiCo — to power their next-generation smart factories. NAZARE turns equipment data into an AI-ready asset, letting manufacturers compound every new technology wave on one foundation. Start with one line, scale to global rollouts — fully air-gapped on-premise. Founded 2019. ~\$2.5M Pre-Series A. Korea Future Unicorn; MOTIE M.AX Alliance member.

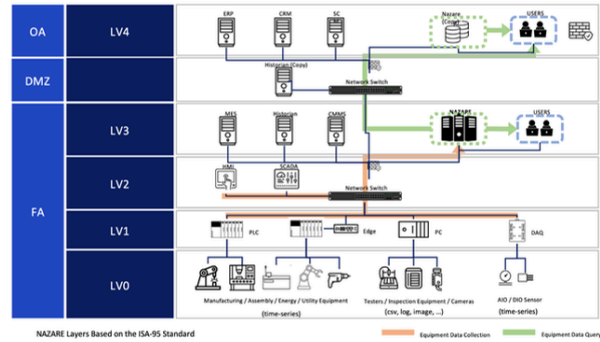
## PRODUCT / SOLUTION

### NAZARE Architecture

NAZARE is an industrial data platform purpose-built for equipment data, enabling fast and easy deployment of equipment data infrastructure. With NAZARE, you can readily build manufacturing solutions and services such as equipment monitoring, trend analysis, Digital Twin, and AI.



### NAZARE Installation & Operation



**NAZARE** is the industrial AI data platform built for factory equipment data — long stranded behind the limits of general-purpose databases, cloud IP-leakage risks, and multi-month buildouts. NAZARE removes all three, turning raw equipment data into an AI-ready asset.

It ingests millisecond-level time-series data from PLCs, DCS, DAQs, and sensors, serving two distinct customer segments from a single substrate:

- Manufacturers without in-house AI: Gain access to Ingle’s AI Agent and 15+ built-in modules, including real-time monitoring, signal-similarity, anomaly detection, parts-life tracking, downtime analysis, and digital twins.
- AI-capable enterprises: Receive fast-integration interfaces to instantly plug their own proprietary models into shop-floor data.

## PARTNERING WITH US

- We are proposing strategic partnerships centered around 'NAZARE,' our advanced AI data platform proven and validated at Renault Headquarters. We look forward to connecting with European OEMs, Tier 1 suppliers, local distributors, SIs, and MES/MOM partners in the Automotive, Aerospace, and Precision Manufacturing industries.
- Visit our booth to discuss actionable collaboration opportunities, including joint sales, Proof of Concept (PoC) pilots, and MoU partnerships.





# STIGMA Co.,Ltd

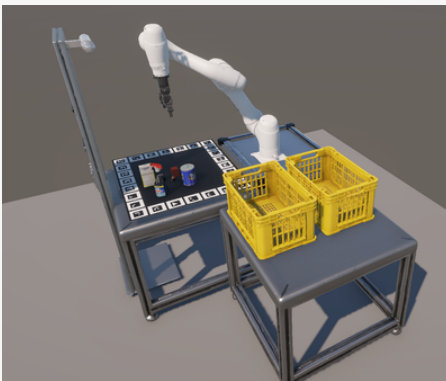
**Website** [www.stigmata.co.kr](http://www.stigmata.co.kr)  
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## STARTUP OVERVIEW

Stigma Co.,Ltd specializes in smart factory solutions, delivering AI-based fabric inspection systems, 3D vision robots, and customized grippers. By integrating machine vision and robotics, we drive quality innovation, boost productivity, and strengthen global competitiveness.

## PRODUCT / SOLUTION

<Reference in Textile Industry>



3D Vision based Bin-Picking Robot



Fabric Roll Palletizing



Dye Container Bin-Picking

Stigma's flagship solution is an **AI 3D Vision Bin-Picking Robot** designed for unstructured, multi-variant, heavy objects. It seamlessly fuses a 3D vision engine, deep-learning segmentation, custom grippers, and a Digital Twin that auto-optimizes picking and stacking paths with zero manual teaching.

### Proven Deployments & Case Studies:

- **Byukjin Bio-Tex (Fabric Roll Packaging, Transfer & Stacking):** Utilizes a dual gripper (core pick + surface hold) integrated with barcode scanning and a Digital Twin to completely prevent collisions across highly diverse roll types.
- **Seyang New Material (Nonwoven Roll Winding & Stacking):** Deploys a specialized "3-in-1 end-effector" that handles core gripping, pressure winding, and heavy-roll transfer within a single cycle, cutting defects by 50%.
- **Ishin Spinning (Dye Container Transfer & Auto-Cleaning):** Implements a rail-mounted 6-axis robot with automated steam-cleaning to replace hazardous manual handling, successfully slashing cycle times from 19 to 13 minutes (a 31.6% reduction).

## PARTNERING WITH US

Stigma seeks European partners to scale our 3D Vision Bin-Picking Robot:

- Textile, nonwoven & apparel manufacturers in Italy, France, Germany pursuing smart-factory upgrades;
- Local System Integrators and distributors;
- Industrial-automation VCs;
- PoC partners to pilot AI-driven automation





# SconAI Inc.

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## STARTUP OVERVIEW

SconAI is an AI company specializing in real-time multilingual communication. Its flagship platform, SconChat, provides AI simultaneous interpretation in 20+ languages with ultra-low latency of approximately 1.2 seconds. Officially deployed at major global events including APEC 2025, SconChat supports seamless communication across conferences, enterprises, government organizations, and large-scale events, helping build a borderless global communication environment.

## PRODUCT / SOLUTION

**Conference**  
As an interpretation solution optimized for international conferences or large-scale events, we provide various methods such as individual transmission, screen transmission, and subtitle transmission.

Today, We are breaking down the barriers of language with artificial intelligence and stepping into a new era that connects the entire world as one.

The real-time AI translation technology you are currently watching translates different languages instantly.

As a result, in various fields such as business meetings and cultural events, instant and accurate communication has become possible.

SconChat is a state-of-the-art AI simultaneous interpretation platform delivering world-class speed, accuracy, and seamless multilingual communication. Supporting both voice and text interpretation, it is optimized for international conferences, global meetings, corporate training, exhibitions, and large-scale events.

With hands-free continuous interpretation and ultra-low latency of approximately 1.2 seconds, SconChat enables natural conversations. Powered by context-aware AI, it understands incomplete sentences, colloquial expressions, and speaker transitions in real-world communication.

## PARTNERING WITH US

SconAI delivers an ultra-low latency AI simultaneous interpretation service featuring natural conversation flows optimized for real-world communication. We are seeking strategic global partners to co-create the future of AI-driven multilingual communication.

- International Conference & Convention Organizers
- Corporate Training & Global Talent Development Enterprises
- MICE, Exhibition & Large-Scale Event Operators
- Global Partners seeking to adopt or collaborate on AI-powered multilingual communication solutions





WoodangNetwork inc

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STARTUP OVERVIEW

Woodang Network is an AI healthcare company that delivers personalized skincare services powered by customer data.

PRODUCT / SOLUTION



- **Haepick** is an AI-powered K-beauty skin diagnosis app integrated with a robust B2B retail SaaS solution.
- Users simply scan any cosmetic product with their smartphone to receive **1-second automatic recognition**, comprehensive ingredient safety and efficacy analysis, and a personalized skincare routine.
- The analysis core combines an advanced AI recommendation engine with rigorous, full-ingredient filters developed by **dermatologists, medical doctors, pharmacists, and cosmetic formulation experts.**
- By seamlessly integrating with professional skin diagnostic hardware (such as **Janus Pro**), Haepick captures medical-grade skin metrics to automatically update each user's profile and tailored recommendations after every scan.

PARTNERING WITH US

- Offline retail store operators selling K-beauty skincare products in Europe
- Customers interested in K-beauty and personalized skincare services



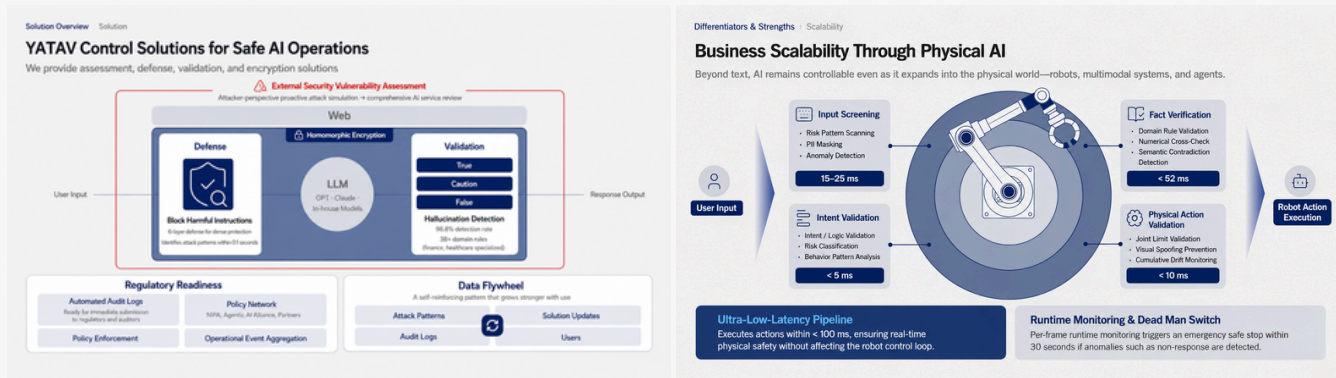


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## STARTUP OVERVIEW

YATAV builds AI safety infrastructure: a runtime middleware that verifies every input, response, and action between any LLM and the humans who rely on it. Founded in 2018, we began by operating AI services for mental-health patients in crisis, where we learned that a technically accurate answer is not always a contextually safe one.

## PRODUCT / SOLUTION



### The Structural Gap

Traditional firewalls only inspect the gateway, but AI attacks enter disguised as seemingly benign queries. YATAV verifies every input, response, and action in real time—completely preventing hallucinations, prompt injections, sensitive data leakage, and unauthorized AI behavior.

### Architecture | Inspect → Enforce → Log

- **AEGIS (Input Defense):** Identifies 215+ LLM attack patterns within 0.1 seconds, neutralizing malicious inputs through a rigorous 6-layer defense pipeline.
- **TruthAnchor (Output Verification):** Detects 96.8% of LLM hallucinations through multi-layer verification, ensuring only verified, safe answers reach the end user.
- **HAECHEI (Proactive Diagnostics):** Detects and analyzes Web and LLM threats in real time, executing optimal mitigation through a 5-layer protection stack.

## PARTNERING WITH US

We are looking for:

- Systems Integrators (SIs) to co-enter EU regulated markets (finance, public sector, defense)
- Sovereign-cloud and hosting providers capable of meeting EU data residency requirements
- Tier-1 reference buyers in finance and the public sector preparing for the EU AI Act high-risk regulation enforcement (August 2026)





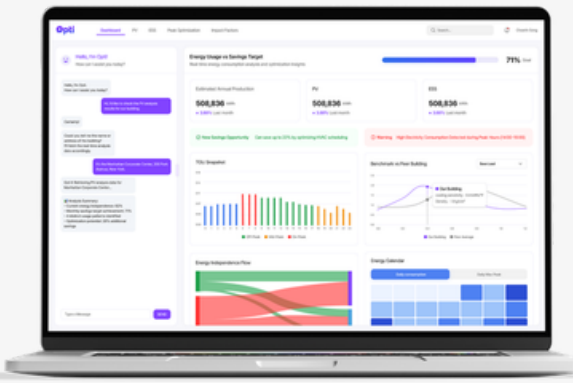
# Ninewatt.co.,Ltd

**Website**            [ninewatt.com/en](http://ninewatt.com/en)  
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## STARTUP OVERVIEW

Ninewatt is an AI-driven energy optimization company helping buildings reduce energy costs and carbon emissions through smart meter data analytics. Its flagship solution, "Opti," analyzes 15-minute interval electricity data without additional hardware installation and provides tariff optimization, peak demand analysis, abnormal usage detection, and PV/ESS operation simulations. The platform also offers a generative AI-based conversational interface for easier energy decision-making.

## PRODUCT / SOLUTION



**What We Offer Today**

- Facility Investment Simulation (PV, ESS ROI Analysis)
- Impact Factor Analysis (Weather, Occupancy, and Other Influences)
- Benchmarking with Similar Buildings
- Tariff Analysis and Cost-Saving Strategies

Investment Insights & Diagnostics, Powered by Natural Language

Opti is an AI-powered building energy optimization platform designed to help building operators reduce both energy costs and carbon emissions. Using existing smart meter electricity data without additional hardware installation, the platform analyzes building energy consumption patterns and provides insights for tariff optimization, peak demand management, abnormal usage detection, and energy-saving opportunities. Through its generative AI-based conversational interface, users can easily ask questions in natural language to understand energy usage trends, identify cost increase factors, and receive operational recommendations.

## PARTNERING WITH US

We are seeking strategic partners in smart buildings, facility management, energy services, and real estate sectors for PoC projects, technology integration, and global business expansion related to AI-driven building energy optimization.



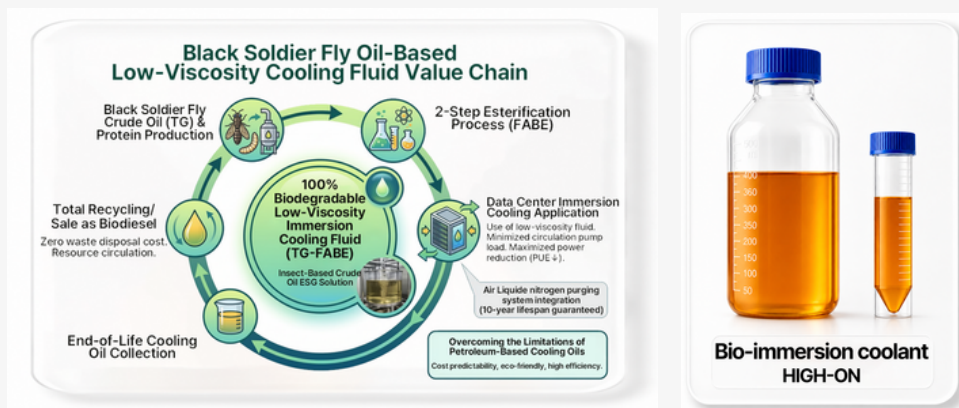
# H HIGH-ON HIGH-ON

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## STARTUP OVERVIEW

HIGH-ON is a deep-tech startup solving carbon neutrality and thermal management challenges using insect-based bio-materials. We upcycle organic waste via Black Soldier Flies to produce 100% biodegradable, eco-friendly fluids that replace petroleum-based products. Beyond high-purity bio-liquids, we provide a sustainable foundation for AI data centers and EV batteries. We aim to lead the global materials market through a perfect circular economy.

## PRODUCT / SOLUTION



HIGH-ON presents an insect-based bio-immersion cooling fluid, a next-generation eco-friendly solution for data centers. As generative AI drives power density beyond air-cooling limits, our fluid reduces cooling infrastructure investment and operational power costs. With a kinematic viscosity of 4.288 cSt, surpassing petroleum-based products (5.0 cSt), it cuts pump load significantly. Its specific heat is roughly twice that of petroleum fluids (~4.6 J/g·K), absorbing twice the thermal energy at the same flow rate. End-of-life fluid is resold as biodiesel feedstock, generating recycling revenue. Built on a Black Soldier Fly upcycling model, it achieves carbon reduction and resource circulation — ideal for global hyperscalers navigating Europe's strict ESG and carbon neutrality regulations.

## PARTNERING WITH US

We seek global partners to co-develop sustainable cooling standards. We welcome R&D collaborations and PoC projects with data centers and EV battery firms. We also look for bio-chemical distributors and ESG consultants to expand our circular economy model in Europe. Join us in innovating for a greener future.





# Aero-ONE

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## STARTUP OVERVIEW

'Aero-ONE' is a leading deep-tech startup specialized in next-generation nanomaterials and energy hardware, founded as the first-ever startup spin-off from Korea East-West Power (EWP). Our core competitiveness lies in our proprietary Triple-doped Graphenesynthesis technology, which redefines the performance limits of conventional materials through atomic-level control of Nitrogen, Boron, and Phosphorus.

We focus on the commercialization of high-capacity hydrogen storage modules and advanced functional materials essential for the global energy transition. By combining institutional credibility with world-class technical expertise, Aero-ONE provides scalable, high-performance solutions for heavy industries and green energy infrastructure worldwide. We are committed to leading the material science revolution and driving sustainable industrial growth across the globe.

## PRODUCT / SOLUTION



**Aero-ONE** specializes in high-value material solutions designed to overcome the physical limitations of conventional energy systems.

Our flagship product is Triple-doped Graphene (TD-Graphene), synthesized through a proprietary process that co-integrates Nitrogen, Boron, and Phosphorus into the graphene lattice. This atomic-level engineering creates a powerful synergistic effect, resulting in superior electrochemical activity, thermal stability, and electrical conductivity compared to pristine or single-doped graphene. These characteristics make our material a definitive breakthrough for high-performance electrodes and advanced sensors.

Building on this material expertise, we offer High-Performance Hydrogen Storage Modules. By incorporating our TD-Graphene into the storage matrix, we have substantially accelerated hydrogen adsorption kinetics and optimized thermal management. Our modules feature a scalable, stackable architecture designed for diverse applications—ranging from hydrogen refueling stations to industrial Energy Storage Systems (ESS). Aero-ONE's products provide the reliability and efficiency required for the global transition to a hydrogen economy, establishing a clear technical moat in the next-generation energy infrastructure market.

## PARTNERING WITH US

We are looking for:

- **Strategic Industrial Partners** : Global energy giants and chemical manufacturers in Europe interested in Joint Ventures or collaborative R&D to integrate our advanced materials into local supply chains.
- **Market Expansion Partners** : Established distributors and infrastructure developers within the European hydrogen ecosystem and green energy sectors.
- **Visionary Investors** : Global venture capitalists and institutional investors focused on deep-tech material innovations and high-growth energy infrastructure.

Our goal is to build a robust global supply chain and co-develop specialized applications that meet international industrial standards.



**VisionInnovation** Vision Innovation Co., Ltd.

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**STARTUP OVERVIEW**

Vision Innovation is a greentech technology company developing Vision Nozzle, an intelligent injection molding solution that removes gas, moisture, and VOCs during the melt stage. The plastics industry is rapidly shifting from commodity plastics to engineering and high-performance materials, expanding across automotive, electronics, and medical sectors. In this transition, Vision Innovation provides a core process technology that enables over 25% PCR usage while maintaining quality, productivity, and cost competitiveness, supporting the shift toward low-carbon and circular manufacturing.

**PRODUCT / SOLUTION**



Vision Nozzle is a process optimization solution that removes gas and moisture from molten resin in real time during the nozzle stage of plastic injection molding. Conventional molding processes often experience silver streaks, bubbles, surface defects, and reduced mechanical strength caused by moisture and gas, requiring additional drying processes. Recycled materials such as PCR, PIR, and downgraded regrind materials generate even higher gas levels, increasing defect rates and lowering productivity. Vision Nozzle directly vents gas and moisture immediately before injection, reducing or eliminating drying processes while improving production efficiency and reducing defects. The technology supports higher PCR/PIR usage, lowers dependence on virgin materials, and contributes to low-carbon manufacturing. The company also possesses VOC reduction test data, including verification of benzene and formaldehyde reduction. Compatible with existing injection molding machines without modification, the solution can be rapidly deployed across multiple manufacturing industries.

**PARTNERING WITH US**

- We are seeking global OEMs, Tier 1 suppliers, material companies, and AI/smart factory partners to collaborate in the fields of PCR/PIR recycled materials, engineering plastics, and sustainable manufacturing.
- We aim to actively participate in Proof of Concept (PoC) projects and joint development initiatives focused on VOC reduction, low-carbon manufacturing, and recycled plastic applications.





# FORNATURES

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## STARTUP OVERVIEW

FORNATURES is a climate tech company developing "HEALIM," a distributed biological carbon capture infrastructure for indoor and industrial spaces. The HEALIM device received two CES 2026 Innovation Awards in the Sustainability & Energy Transition and Smart Communities categories. Based on this technology, FORNATURES is expanding carbon reduction infrastructure into urban and living spaces while building a distributed carbon reduction ecosystem through carbon data and carbon credit integration.

## PRODUCT / SOLUTION



HEALIM device is a distributed biological carbon capture device designed for buildings, manufacturing sites, and energy plants. With microalgae, HEALIM captures CO<sub>2</sub> with lower energy demand and smaller spatial requirements compared to conventional physical and chemical CCUS systems. Unlike conventional CCUS processes, biologically captured carbon can be utilized as biomass resources. HEALIM can reduce 1 ton of CO<sub>2</sub> annually, equivalent to the carbon absorption capacity of 200 trees. The modular system enables scalable deployment depending on carbon reduction needs, while 10m<sup>3</sup> of HEALIM delivers carbon reduction effects comparable to a 5ha pine forest.

## PARTNERING WITH US

- FORNATURES is seeking global partners and buyers for European PoC projects and pilot deployments to support international expansion.
- In addition, we are looking for investors interested in climate technology, CCUS, and carbon reduction solutions to support our international expansion.





# PowerAuto Robotics Co., Ltd.

**Website** [www.pa-robotics.co.kr/company](http://www.pa-robotics.co.kr/company)  
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**Phone** +82 10 2979 0302

## STARTUP OVERVIEW

PowerAuto Robotics is an AI-based manufacturing automation company that combines AI vision, robot control, and process data to automate manual assembly processes. The company specializes in odd-form component insertion and post-SMT automation for electronics, automotive electronics, home appliances, and EMS industries. With its i-Series robot systems and process integration capabilities, PowerAuto Robotics aims to enable automated Dark Factory operations beyond conventional smart factories.

## PRODUCT / SOLUTION



PowerAuto Robotics' core product is the i-Series Hybrid Component Assembly Robot. The i-Series automates odd-form component insertion processes that have traditionally depended on manual labor, using AI vision-based part recognition, precision position correction, and torque/force monitoring technologies. It can be applied to post-SMT processes, PCB assembly, and electronics or automotive electronics production lines, while flexibly supporting high-mix, low-volume manufacturing environments. Beyond equipment supply, PowerAuto Robotics provides end-to-end manufacturing automation solutions covering process analysis, line design, system installation, MES integration, and maintenance.

## PARTNERING WITH US

PowerAuto Robotics is seeking global manufacturers, EMS companies, system integrators, automation partners, and strategic investors who are interested in AI-based manufacturing automation, odd-form assembly robotics, MES integration, and Dark Factory solutions.



# Quad.BE

# QuadBE

- Website** [www.moldwork.net/mmpPlatform/main/eng/index](http://www.moldwork.net/mmpPlatform/main/eng/index)
- Linked In** [www.linkedin.com/company/quadbe](http://www.linkedin.com/company/quadbe)
- Person in Charge** Sungmin Park
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- Phone** +82 10 4841 4549

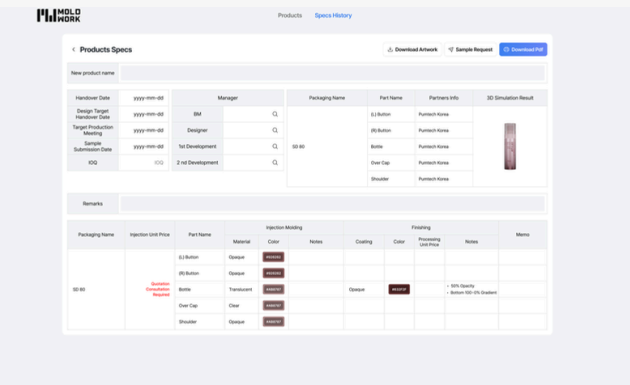
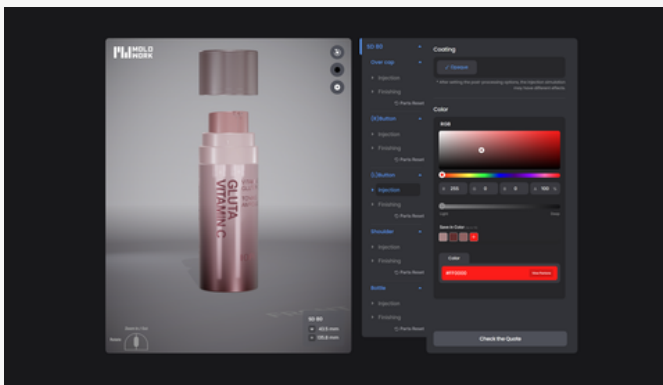
## STARTUP OVERVIEW

Quad.BE operates MOLDWORK, a digital platform for cosmetic packaging search, component combination, and real-time 3D manufacturing simulation — all within a single workflow.

MOLDWORK standardizes global packaging and component data into a single workflow covering search, compatibility matching, simulation, quotation, and manufacturing specification delivery.

Unlike conventional packaging databases, MOLDWORK enables cross-manufacturer component matching, allowing brands to create customized packaging combinations efficiently.

## PRODUCT / SOLUTION



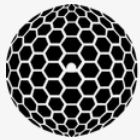
**MOLDWORK** is a global packaging search and manufacturing simulation platform for the cosmetic industry. Beauty brands and manufacturers still rely on fragmented workflows involving emails, meetings, physical samples, quotations, and ordering processes, often requiring over 6–8 weeks for packaging development.

**MOLDWORK** standardizes global packaging data into a unified 3D-based platform that enables search, component combination, real-time simulation, quotation generation, and manufacturing specification creation.

## PARTNERING WITH US

We are seeking cosmetic and beauty brands looking to build packaging databases and improve collaboration with manufacturing partners, as well as packaging manufacturers aiming to enhance remote sales and operational efficiency through digital sample solutions.





**Nano  
Genesis**

**NanoGenesis Inc.**

**Website** www.nanogenesis.co.kr

**Person in Charge** Joonsub Shim

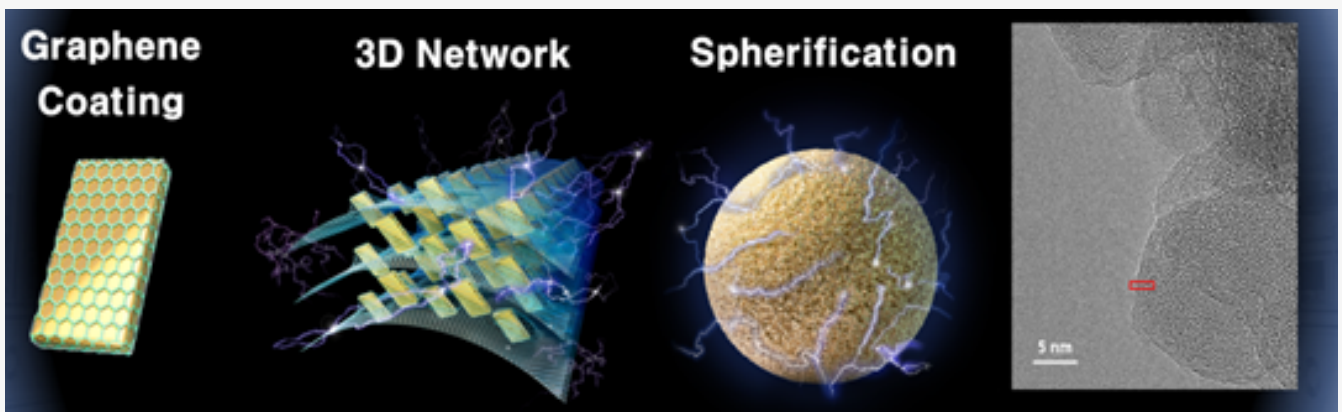
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### STARTUP OVERVIEW

NanoGenesis Inc. develops graphene-coated silicon anode materials for next-generation lithium-ion batteries. The company transforms waste silicon resources into high-performance, cost-effective anode materials. Silicon offers far higher energy density and faster charging than graphite, but commercialization has been limited by severe volume expansion during cycling, leading to particle fracture and rapid capacity loss. NanoGenesis solves this challenge with advanced material engineering that enables practical, durable, and scalable silicon-based batteries.

### PRODUCT / SOLUTION



NanoGenesis provides a proprietary silicon anode material that addresses the core weakness of silicon batteries—extreme volume expansion. Our platform integrates five precision engineering technologies to secure structural stability and superior electrochemical performance.

1. Nanoparticle Engineering – Silicon is refined into ultra-fine nanoparticles to prevent cracking.
2. Graphene Coating – Uniform graphene layers suppress expansion and enhance electrical conductivity.
3. 3D Graphene Network – Graphene interconnects silicon particles, maintaining continuous electron pathways.
4. Spherical Particle Design – Spherical morphology maximizes mechanical integrity during repeated cycling.
5. Pure Silicon Battery Process – We develop optimized electrolyte, binder, and conductive additives that enable 100% silicon anodes without graphite.

### PARTNERING WITH US

NanoGenesis is seeking global partners for the commercialization of next-generation silicon anode materials.

- Our target collaborators include battery manufacturers, strategic investors, advanced material companies, EV/ESS/mobility enterprises, and partners for PoC validation, pilot production, and global distribution.
- We aim for long-term, mutually progressive partnerships to co-create the future of energy storage technology.





# ABR Co., Ltd

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## STARTUP OVERVIEW

ABR is a leading climate tech company shaping a more sustainable future for the battery industry. Leveraging its proprietary direct recycling technology, ABR provides innovative solutions that simultaneously enable resource circulation and carbon reduction by environmentally recycling manufacturing scrap and end-of-life batteries. ABR operates the world’s first eco-friendly automated direct recycling production line with an annual capacity of 2,000 tons, demonstrating not only technological innovation but also proven commercialization capabilities applicable to real industrial settings.

## PRODUCT / SOLUTION

ABR’s solution can deliver approximately 20–50% lower manufacturing costs and around 60% lower carbon emissions compared with conventional production pathways, helping customers strengthen both cost competitiveness and ESG performance at the same time. By converting battery manufacturing scrap and end-of-life batteries back into high-value active materials, ABR also contributes to waste reduction, resource reuse, and the development of a more sustainable low-carbon supply chain.

## PARTNERING WITH US

ABR is seeking global partners who share its vision of building a more sustainable future for the battery industry. Specifically, ABR is looking to connect with global battery manufacturers, automotive OEMs and EV-related companies, cathode and anode material suppliers, recycling specialists, and industrial customers that are actively pursuing reliable, low-carbon recycled material supply chains for their manufacturing operations.





MCE Inc.

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**STARTUP OVERVIEW**

**MCE** leads the sustainable circular economy by tackling the global plastic waste crisis through innovative biotechnology. We utilize mealworm gut microbiome technology to biologically degrade plastics, transforming them into a humic acid, a vital soil organic matter, which we then repurpose into premium-grade organic fertilizers. Crucially, we have integrated the entire lifecycle—from recycling and fertilizer production to final application—into a standardized carbon reduction methodology. This allows us to generate and trade carbon credits, creating a high-impact business model that achieves verifiable carbon neutrality. Our core vision is to turn environmental pollutants into valuable resources while driving the global transition toward a net-zero future.

**PRODUCT / SOLUTION**



Our flagship product, **'MAHA Humic Acid Liquid Fertilizer,'** is the result of a breakthrough biotechnology that stabilizes and transforms plastic waste into artificial humic acid. While delivering the same performance as conventional chemical fertilizers, it allows for a 30% reduction in nitrogen usage. This prevents soil acidification and promotes the activity of beneficial microorganisms, effectively restoring the natural fertility of the soil. Furthermore, our core recycling technology can completely degrade various types of plastic within 24 hours. This entire process is integrated into a verified carbon reduction methodology, enabling us to generate and trade carbon credits. By converting environmental pollutants into sustainable agricultural inputs, we provide a dual-impact solution for both soil health and global carbon neutrality.

**PARTNERING WITH US**

- We seek-
- Technology Partners: Companies interested in innovative, bio-based plastic recycling solutions.
  - Agricultural Partners: Farms or fertilizer manufacturers looking for high-quality, eco-friendly artificial humic acid.
  - ESG & Carbon Partners: Corporations aiming to develop carbon credit projects and strengthen their ESG impact.



# Opticmix

Holographic XR Solution

# Opticmix

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**STARTUP OVERVIEW**

Opticmix is startup company founded by faculty member of Kwangwoon University, developing AI-based touchless interaction technology and holographic display solutions. Based on proprietary hand-tracking and spatial recognition technology, company develops next-generation user interface solutions for automotive, smart mobility, industrial HMI, and digital signage industries. In addition, Opticmix aims to enter future spatial display market through high-brightness transparent display technology based on HOE (Holographic Optical Element).

**PRODUCT / SOLUTION**



Opticmix develops next-generation spatial interface solution combining HOE (Holographic Optical Element)-based holographic screen technology with AI-based touchless interaction system. Product displays high-brightness digital holographic content on transparent screen while enabling users to control interface through hand gestures without physical touch. Proprietary hand-tracking and spatial recognition algorithms provide highly accurate and low-latency interaction experience. Solution can be applied to various industries including automotive HUD, smart mobility, industrial HMI, kiosks, digital signage, exhibition systems, and media art applications.

**PARTNERING WITH US**

- OpticMix is anticipating PoC opportunities to validate the real-world response and market viability of its technology in the global market.
- Furthermore, the company aims to achieve global business expansion and secure follow-on investment by discovering strategic partners and investors in the automotive, display, and smart mobility sectors.



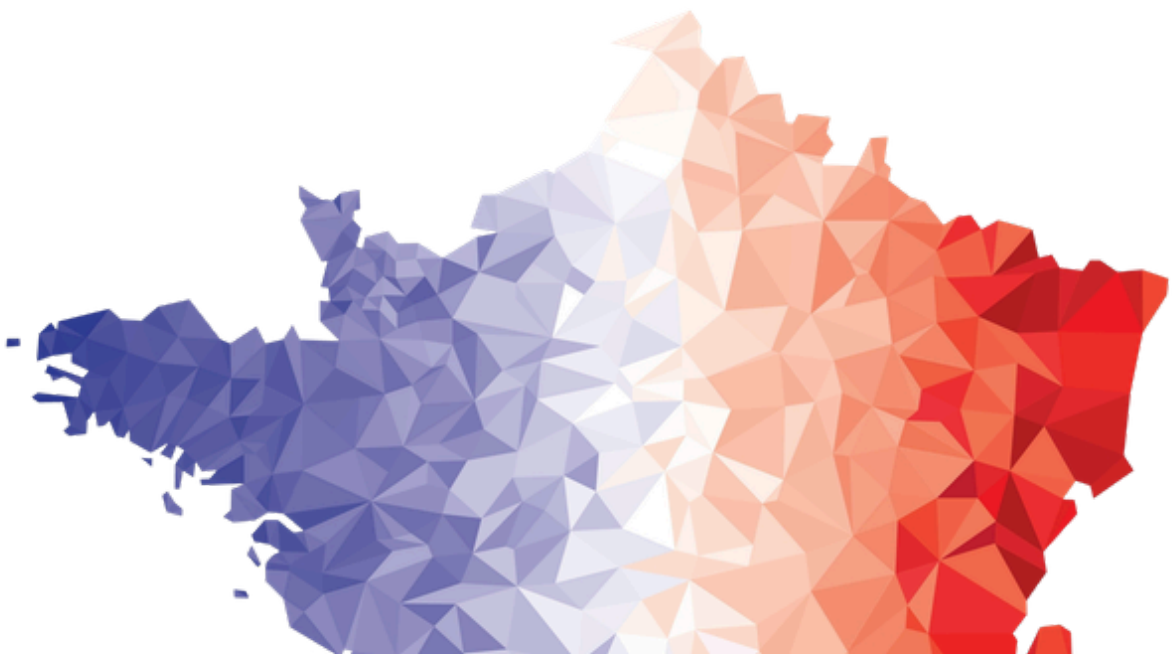
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# Start Here, Go Global



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