



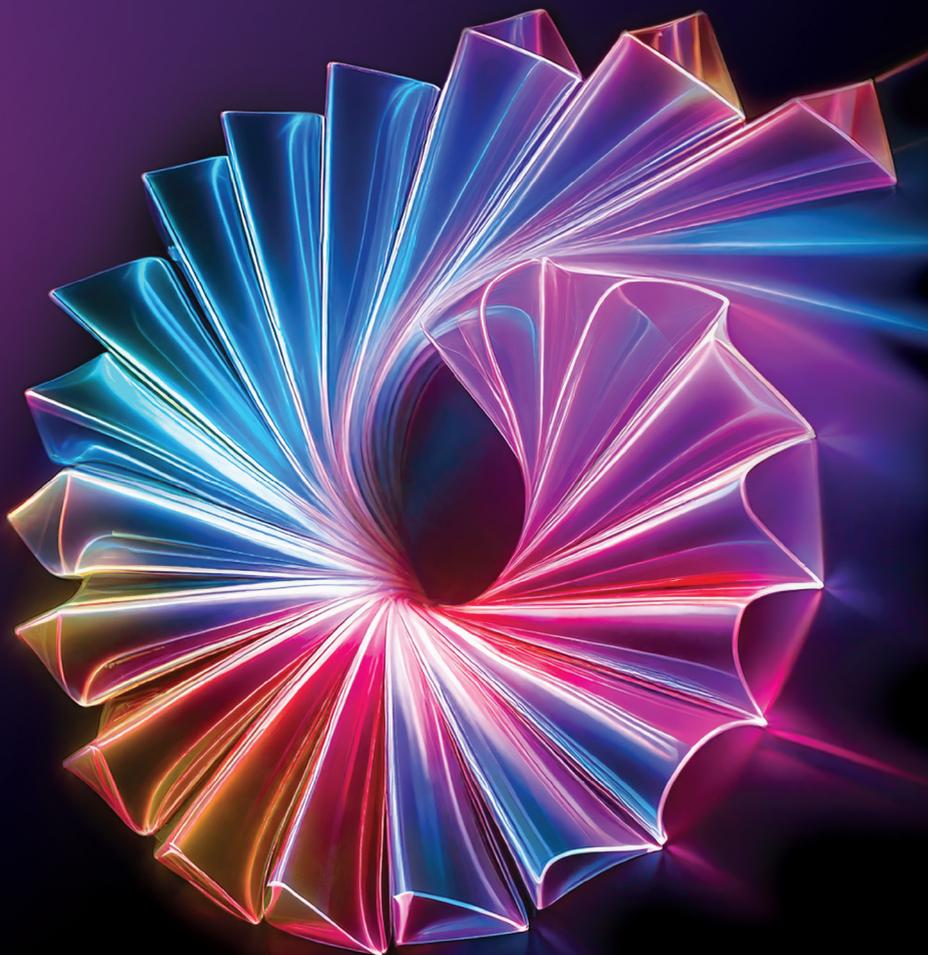
THE HONG KONG
UNIVERSITY OF SCIENCE
AND TECHNOLOGY

HKUST

UNICORN

DAY 2025

Impact Beyond Borders





THE HONG KONG
UNIVERSITY OF SCIENCE
AND TECHNOLOGY

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DAY 2025

Impact Beyond Borders

Unicorn Day 2025
Programme



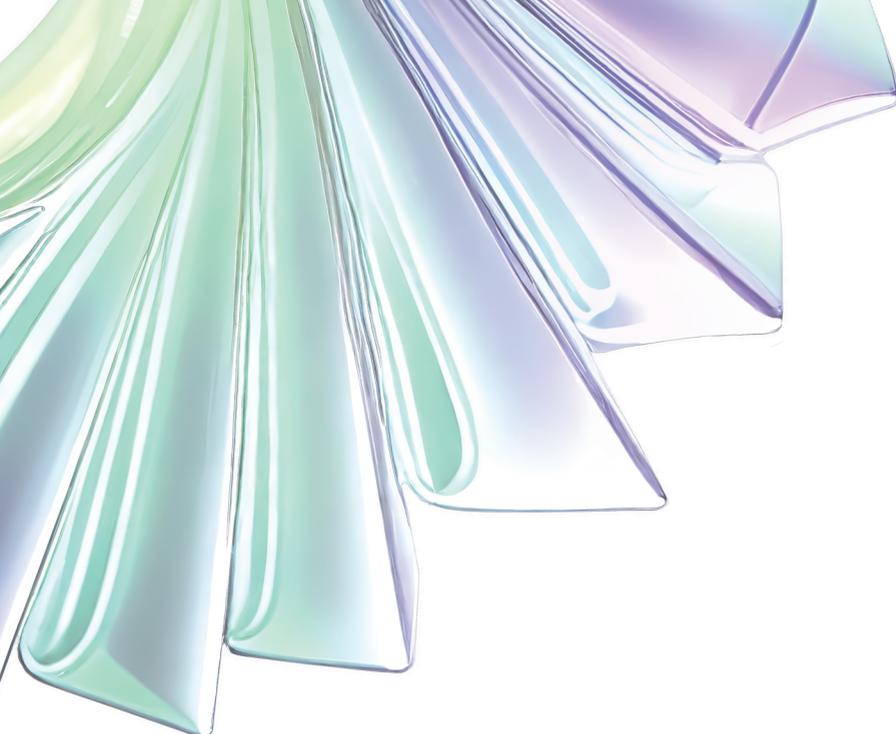
Check out the highlight
photos of the event!

About The Hong Kong University of Science and Technology

The Hong Kong University of Science and Technology (HKUST) (<https://hkust.edu.hk/>) is a world-class university that excels in driving innovative education, research excellence, and impactful knowledge transfer.

With a holistic and interdisciplinary pedagogy approach, HKUST was ranked 3rd in the Times Higher Education's Young University Rankings 2024, 19th Worldwide and No.1 in Hong Kong in Times Higher Education's Impact Rankings. Thirteen HKUST subjects were ranked among the world's top 50 in the QS World University Rankings by Subject 2025, with "Data Science and Artificial Intelligence" holding the 17th place, maintaining its position as first in Hong Kong. Our graduates are highly competitive, consistently ranking among the world's top 30 most sought-after employees. In terms of research and entrepreneurship, over 80% of our work was rated "Internationally excellent" or "world leading" in the latest Research Assessment Exercise 2020 of Hong Kong's University Grants Committee.

As of May 2025, HKUST members have founded over 1,800 active start-ups, including 10 Unicorns and 17 exits (IPO or M&A).



Acknowledgement

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Founded in Singapore.

Delivering
business opportunities
beyond borders.

As One Group, we have the expertise to
unlock every door for your business journey.



For **now**,
and **beyond**



ABOUT US

Lion X Ventures is a dynamic and forward-thinking venture capital fund with a mission to promote the technology innovation in Southeast Asia.

Partnered with OCBC Bank, one of the region's leading financial institutions, we are at the forefront of the "Go-to-SEA" wave, supporting visionary entrepreneurs and early-stage companies in the ever-evolving landscape of digital technology.

STRATEGY

Investment strategy

Lion X Ventures focuses on early-stage investments, identifying and nurturing companies with exceptional growth potential.

Our approach is underpinned by a profound knowledge of the Greater China and Southeast Asian market, and we depend on OCBC Bank's and our esteemed strategic partners' extensive network and industry expertise to gain access to unique and high-potential investment opportunities.

INVESTMENT

Investment industry

Focus on digital technologies, consumer technologies, medical technologies and ESG, where OCBC Bank and our strategic partners, such as Yusys Technologies (300674), Brandmax (300805), Honsun Medical (832278), DaoCloud, CalmCar, possess abundant vertical industry know-how and established in-depth resource networks.



Email: contact@lionxventures.com

HKUST-SINO

One Million Dollar Entrepreneurship Competition 2025

Application Deadline

30th JUNE (MON)

Empower Your
Future

**Total
Cash Prize:**

**Over
HK\$1 Million**

Kick-start
your dream

APPLY NOW



Join us on
17th SEP (WED)

**MEET THE
FINALISTS**



Enquiry: hkust1m@ust.hk

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Strategic Partner



HKUST UNICORN DAY 2025 – STARTUP SHOWCASE & MARKETPLACE

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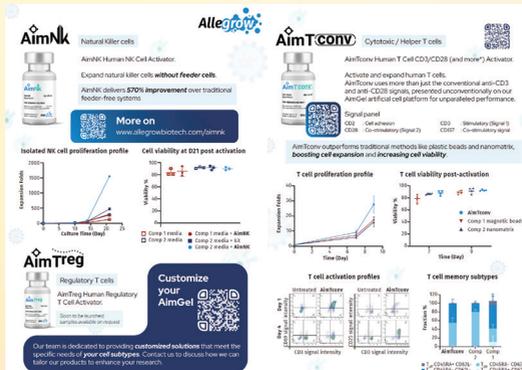


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Allegrow Biotech

Activate and Expand Immune Cells as Nature Intended

- ▶ Unparalleled performance: growing T cells 60% faster, NK cells 470% faster
- ▶ Regulatory Friendly: Chemically Defined, 100% Synthetic, Fully Animal-Free Formulation
- ▶ Customizable Modular Design: Unlimited Collaboration Potential



One platform → unlimited applications

AimTconv Cytotoxic/Helper T Cell	AimNk Natural Killer Cell	AimTreg Regulatory T Cell
RUO launched	Prototype ready	Prototyping
One-to-self Blood Cancer Autoimmune disorders	One-to-many Solid tumors	One-to-self Autoimmune disorders Organ transplant tolerance
160%¹ Improvement	570%² Improvement	
<small>1. Compared to commercial magnetic beads. 2. Compared to commercial feeder-free systems.</small>		
Starting from US\$ 250 /kit		

Lipid Membrane Coating
A lipid lipid coating mimicking the cell membrane enables cell-like interactions.

Hydrogel Core
A hydrogel core with variable size and softness to mimic the texture of real cells.

Surface Signals
Mix and match the required combinations of surface signals optimized for cell type.

Bio-Medical and Healthcare (BMH)

Revolutionizing Alzheimer's Detection with AI-Driven Blood Biomarkers

Catch Alzheimer's Before It Strikes:
The Future of Early Diagnosis Starts Here

Principal Investigator | Prof. Nancy IP, Division of Life Science, HKUST

Description of Invention:

Our cutting-edge diagnostic system employs proteomics, advanced machine learning to detect early-stage Alzheimer's before symptoms via analyzing blood biomarker changes, monitoring disease progression and treatment response for timely, personalized therapeutic strategies.

Key Technology Edges:



Early Detection: Identifying Alzheimer's Before Symptoms Appear



Disease Monitoring: Track Progression and Treatment Response with Precision

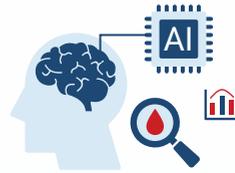


Screening Tool: Enabling Early Interventions to Alter the Course of Alzheimer's

“ Join the fight against Alzheimer's – discover how PlasmakAD® Pro Series is ”



PlasmakAD® Pro Series



Comprehensive Pathway Analysis



- Amyloid & Tau Pathology
- Neural Function
- Vascular Function
- Metabolic Activity
- Innate Immunity
- Inflammation





SMART LAB
Towards Trustworthy AI for Healthcare

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DBT Technology Limited

DBT Technology Limited provides AI-powered dental solutions, including clear aligners, implants, crowns, diagnostics, and treatment planning

DBT Technology Limited specializes in AI-driven dental innovations, collaborating with dental experts to develop customized solutions such as AI-designed clear aligners, implants, crowns, and precision diagnostics. Dedicated to enhancing patient care and redefining dentistry, DBT delivers advanced technology, professional fabrication, and personalized patient monitoring systems, positioning itself at the forefront of dental healthcare innovation.

- ▶ **AI-Powered Orthodontics:** Precise clear aligner design, personalized treatment planning, and patient follow-up.
- ▶ **Generative AI Dental Prosthetics:** Optimized crowns, implants, and surgical guides for ideal occlusion and aesthetics.
- ▶ **Advanced Diagnostics:** Accurate AI-driven dental analysis enabling precise clinical decisions and improved patient outcomes.



Bio-Medical and Healthcare (BMH)



DPBIO

DPBIO provides high-throughput microfluidic systems, accelerates and improves drug R&D as well as basic life science research

DPBIO integrates advanced microfluidic technology with life sciences to develop comprehensive solutions, including microfluidic chips, instruments, and reagents. DPBIO's platforms empower scientists in antibody discovery, enzyme evolution, strain screening, small-molecule drug screening, cancer research, early disease detection, viral quantification, and biopharmaceutical quality control.

- ▶ Flexible system design for diverse antibody discovery, synthetic biology, and precision medicine applications.
- ▶ Generate and analyze millions of droplets within one day for ultra-high-throughput screening.
- ▶ Seamless integration of chips, instruments, and reagents for end-to-end workflows.



E3A Healthcare Pte. Ltd.

AI-driven non-invasive fetal monitoring, affordable neonatal jaundice screening, and neuromodulation therapies dedicated to women's health

Founded in 2019, E3A Healthcare is a fast-growing medtech company addressing women's health needs. Leveraging AI diagnostics, biosensors, and real-time processing, we deliver innovative, smart, accessible maternal and reproductive health devices. Headquartered in Singapore with hubs in Hong Kong, Shenzhen, and the US, E3A has served over 300,000 families worldwide and holds NMPA (China), Hong Kong, and Taiwan approvals.

- ▶ Developed the world's first AI-powered, passive, non-ultrasound fetal monitor, delivering personalized at-home insights with clinical-grade accuracy.
- ▶ AI-driven, real-time neonatal jaundice screening via optical spectroscopy for cost-effective, non-invasive bilirubin measurement.
- ▶ Clinically validated, non-drug neuromodulation therapy for endometriosis through targeted vagus-nerve stimulation.





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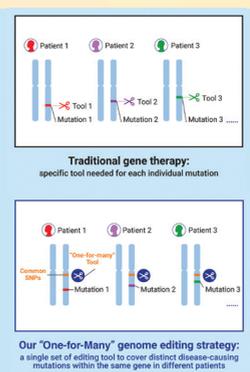
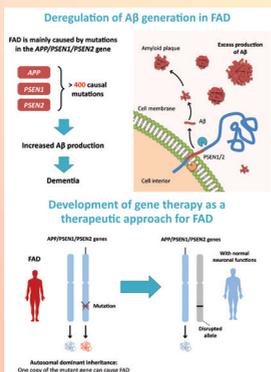
Edictact Therapeutics Ltd.

Development of Genome Editing Strategy for Familial Alzheimer's Disease Therapy

Edictact Therapeutics is committed to developing innovative genome editing therapies to meet unmet medical needs.

For the first indication, Familial Alzheimer's Disease (FAD), the research team has pioneered a "One-for-Many" genome editing strategy, which has the potential to develop into long-term disease-modifying therapy for 2-3 million patients with FAD.

- ▶ Development of "One-for-Many" genome editing strategy can target different pathogenic mutations within disease-associated genes
- ▶ Targeted elimination of mutant/pathogenic gene expression, tackling the disease cause from its root with long-lasting benefits
- ▶ Potential to apply the novel "One-for-Many" strategy to other familial diseases that affect over 160 million patients worldwide



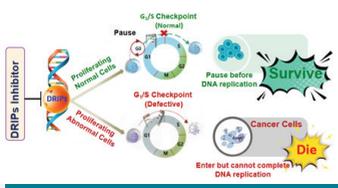
From Precancerous Lesions to Cancer

DRIP-Targeting Drugs: 100% Clearance in Trials



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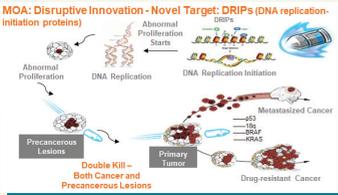
Principal Investigator: Prof. Chun LIANG



Breakthrough MOA: Targeting DRIPs

Disruptive Innovation:

- **Novel Target:** DNA replication-initiation proteins (DRIPs)
- **Double Kill:** Eradicates both cancer and precancerous lesions
- **Broad-Spectrum Efficacy:** Targets primary tumors, drug-resistant cancers, and metastases



100% Clearance in Skin Cancer (Phase I Data)

AK case	D0	D16	D24
Right CR			
Left CR			

100% Clearance
(Phase I Clinical Trial Data)

Pipeline Highlights:

- Phase II: Skin cancer (China/Australia)
- Pre-IND: Cervical cancer
- Pre-PCC: Multiple cancers

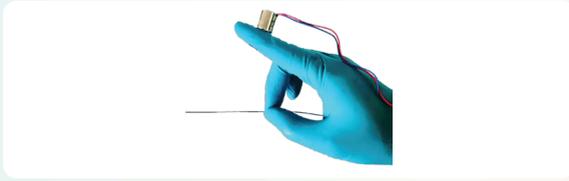
Why DRIP Inhibitor?

- ✓ **First-in-class** broad-spectrum anticancer drugs
- ✓ **Up to 100% tumor inhibition with a low toxicity towards normal**
- ✓ **cellsFuture potential:** Treats precancerous lesions before cancer develops

Key Achievements

- Phase I success -> Phase II underway for skin cancer
- IND-enabling studies for cervical cancer
- Pipeline expansions – for other cancers

Bio-Medical and Healthcare (BMH)

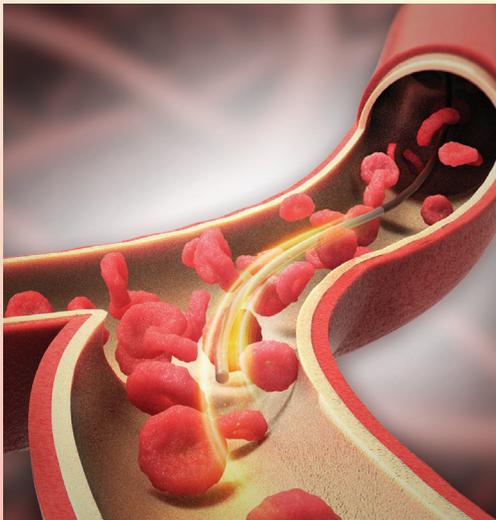


Meander Tech

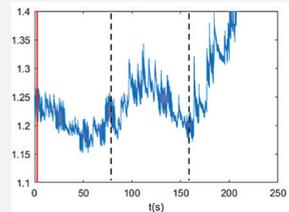
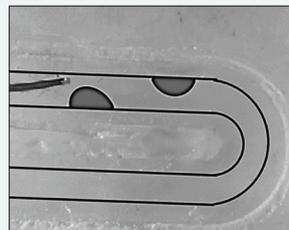
Ensure the tactile sensation of the guidewire tip, make it flexible and sensitive

The advanced multifunctional magnetic guidewire system with fingertip feedback for interventional surgeries (such as cardiovascular disease). The system may include alternative guidewire tips and established manipulating system.

- ▶ Alternative functional guidewire tip
- ▶ Tactile feedback system



Geometry detecting





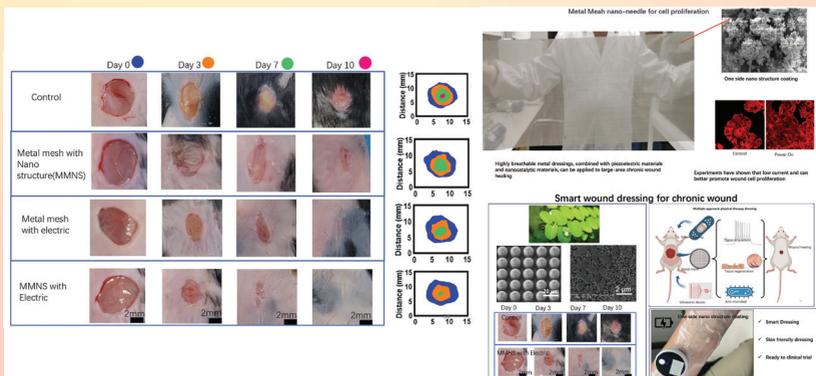
One Healing

Innovative smart dressings utilizing nanostructures and microcurrents to accelerate wound healing

Smart Wound Healing Dressing

A leading-edge medical technology innovator specializing in advanced wound care solutions. It develops smart dressings that integrate nanotechnology and bioelectronics to significantly enhance healing rates, reduce infection risks, and improve patient outcomes through precision treatment and continuous monitoring.

- ▶ HKUST x HKSTP Co-ideation Program participant
- ▶ Merit Award of the 9th Hong Kong Student Innovation and Entrepreneurship Competition
- ▶ Medical Partners including Peking Union Medical College Hospital, Sun Yat-sen University Hospital



MeticTouch®: Revolutionizing Eye Care with Pain-Free, Non-Invasive Drug Delivery

No Needles, No Pain, Just Precision: Transforming Eye Care with Ultrasound-Powered Drug Delivery

Principal Investigator | Dr Langston SUEN, Opharmic Technology (HK) Limited

Description of Invention:

MeticTouch® is set to revolutionize ocular drug delivery by eliminating the need for painful injections, improving patient compliance, and enhancing treatment outcomes. Its innovative, non-invasive approach empowers both patients and healthcare providers, paving the way for a new era in eye care.

OPHARMIC | Innovating for impact
TECHNOLOGY



Key Technology Edges:



World's First Non-Invasive Platform:
Safe, Effective, and Patient-Friendly



Pharma-Compatible:
Seamless Integration with Existing and New Drugs



Customizable Solutions:
Tailored to Meet the Needs of Biopharmaceutical Companies



Enhanced Outcomes:
Better Comfort, Convenience, and Treatment Efficacy

“ Experience the future of eye care – discover how MeticTouch® is making injections a thing of the past! ”



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Bio-Medical and Healthcare (BMH)

PANOPTIC_{AI}

PanopticAI / Vitals™ World's First FDA-Cleared Mobile App for Contactless Health Monitoring

Vitals™, powered by PanopticAI, delivers contactless, accessible, and affordable health monitoring, empowering you to take control of your health in 30 seconds

PanopticAI is Hong Kong's leading health technology company revolutionizing vital signs monitoring with its FDA-cleared remote photoplethysmography (rPPG) technology. Our award-winning Vitals SDK transforms smartphones, tablets, and computers into medical-grade vital signs monitors, making health monitoring accessible and scalable for everyone. In just 30 seconds, Vitals SDK accurately measures key physiological parameters, including heart rate, heart rate variability, breathing rate, oxygen saturation, blood pressure, stress level and more - all without wearables or specialized equipment. This breakthrough in remote patient monitoring enables healthcare providers, wellness organizations, and insurance enterprises to reduce the burden on healthcare staff while empowering users with insights for early detection and chronic disease management.

- ▶ First HK company with FDA clearance for a Software as a Medical Device (SaMD)
- ▶ Forbes Asia 100 to Watch 2023 & Forbes 30 under 30 2024; Startup World Cup 2024 Grand Finale Top 10 & Hong Kong Region Champion
- ▶ Funded by Alibaba Hong Kong Entrepreneurs Fund, Gobi Partners GBA, HKUST E-Fund and other renowned investors



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Bio-Medical and Healthcare (BMH)



Plasmotact Therapeutics Ltd

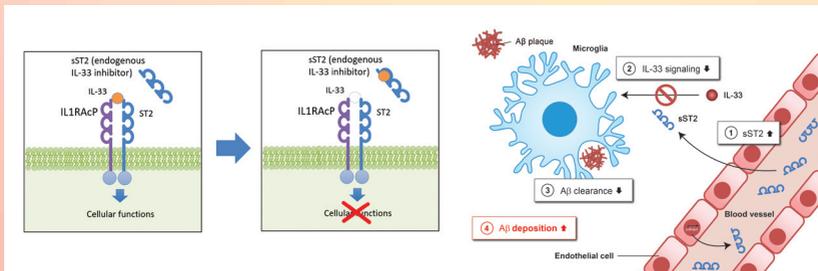
Development of Novel Drugs Targeting sST2 for Alzheimer's Disease

The research team behind Plasmotact Therapeutics has discovered a novel first-in-class drug target for Alzheimer's Disease, a plasma protein known as sST2. Our research has shown a strong association between increased sST2 levels and AD pathology and risk.

Therefore, Plasmotact Therapeutics is pioneering the development of multiple therapeutic modalities to inhibit sST2, including small molecules and RNA-based therapeutics.

Importantly, since sST2 originates from peripheral cells outside the brain and plays a critical role in unleashing innate immunity, our therapeutics will offer a potentially safer and more effective option compared to current AD therapies.

- ▶ Unique first-in-class therapeutic target with disease-modifying effects
- ▶ Broad applicability to various diseases also associated with increased sST2 levels
- ▶ Disruptive potential to significantly impact the AD treatment market, and to alleviate healthcare and economic burden





Shenzhen Biorocks Biotechnology Company

Fully automated vitrification-warming system (Embryo and Oocyte)

Welcome to the new era of embryo cryopreservation Biorocks has pioneered microfluidic-controlled fully automated vitrification technology, eliminating the drawbacks of traditional vitrification that require embryologists to perform complex manipulations under a microscope. With no need for specialized laboratories or microscopes, embryos can be rapidly and automatically vitrified and thawed, ready for immediate transplantation after warming.

- ▶ Fully automated vitrification and warming system reduces operator variability and improves embryo survival and consistency.
- ▶ Microfluidic consumables ensure precise, closed-system reagent exchange with minimal osmotic shock and cell damage.
- ▶ Applicable to human IVF, livestock breeding, and biomedical research with scalable, plug-and-play operation.





EurekaBio

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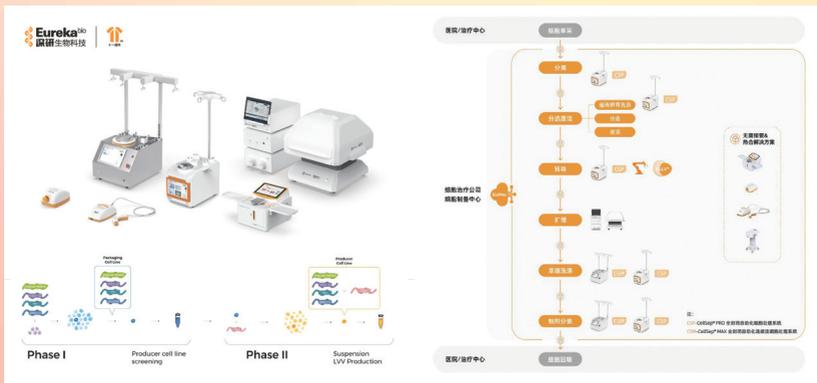
Bio-Medical and Healthcare (BMH)

Shenzhen Eureka Biotechnology Co., LTD

Interdisciplinary Core Technology which combined with Lentiviral Vector Stable Cell Line Technique and Automated Closed Cell Manufacturing Systems, with ↓ 80% cost, ↓ 50% steps, ↑ 100X viral titer

EurekaBio is a leading upstream core vendor in the field of Cell and Gene Therapy (CGT), focusing on innovative research and development of cutting-edge technologies and key equipment essential for ad.

- ▶ EuLV™ saves LVV manufacture cost by 80%, reduce 50% process, titer increase up to 100 folds.
- ▶ Device solution support different CGT clients type including CAR-T, TCRT, gdT, TIL, MSC etc.
- ▶ Globally have Over 50+ clients using the device system and EuLV collaborating with multiple MNCs and world leading CDMOs.

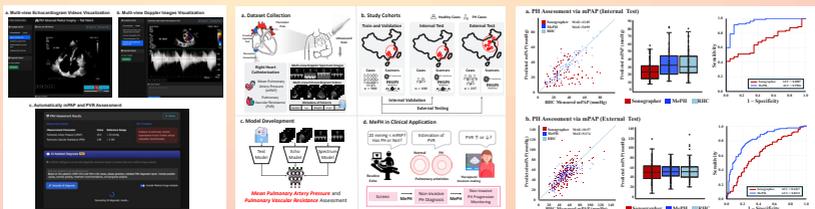


SmartMePH: Next-Gen AI-Driven Non-Invasive Pulmonary Hypertension Diagnostic Platform

SmartMePH is an AI-driven echocardiography platform automating non-invasive PH evaluation with real-time, accurate mPAP/PVR assessments surpassing traditional Doppler methods

SmartMePH is an AI-powered multi-modal platform that non-invasively evaluates pulmonary hypertension progression using echocardiography (videos, spectral images) paired with invasive right heart catheterization (RHC) data from 1,237 patients across 12 centers. It models correlations between non-invasive measures and RHC-derived pressures, reducing mPAP and PVR estimation errors by 49.73% and 43.81%, achieving 0.921 AUC (vs. 0.842 for clinicians) in severity prediction and 3.147 PVR MAE in external validation. Prospective studies confirm treatment efficacy prediction, enabling timely, personalized interventions.

- ▶ Utilizes multi-view, multi-modal echocardiography with cross-view attention to fuse videos, Doppler images, and metadata.
- ▶ Achieves superior non-invasive PH diagnosis and severity assessment by accurately predicting mPAP and PVR.
- ▶ Validate on multi-hospital, enabling real-time monitoring and improved patient follow-up outcomes.



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Bio-Medical and Healthcare (BMH)

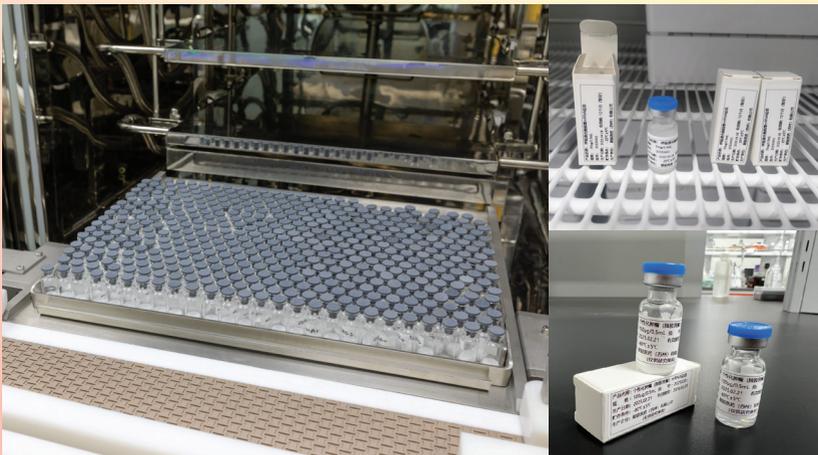
STARNA
星锐医药 THERAPEUTICS

Starna Therapeutics

Starna Therapeutics is focusing on extrahepatic targeted delivery technology

Starna Therapeutics was founded in August 2021, focusing on extrahepatic targeted delivery technology. The company is dedicated to developing innovative RNA-based drugs to address unmet clinical needs. With the expertise in nucleic acid drug discovery, delivery technology, and process development, we have established a robust industrial chain encompassing chemistry, mRNA, and LNP preparations.

- ▶ Targeting Delivery
- ▶ In-vivo Cell Therapy
- ▶ Cancer Vaccine





Xeno
Dynamics
奇诺动力

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1

Bio-Medical and Healthcare (BMH)

Regait by Xeno Dynamics: An intelligent gait rehabilitation training and assessment robot

Regait offers fine motor control training by enabling patients with lower limb walking impairments to practice locomotion in real-world settings

Regait is a medical exoskeleton innovated by Xeno Dynamics. It delivers fall-free overground walk training with digitized assessment. The genuine and fluid sensation of walking provides a distinctive treatment, boosting patients' confidence and supporting improved recovery. The digitized feedback offers a direct, precise and personalized insights of the rehabilitation progress for both patients and therapists, building trust and promoting collaboration.

- ▶ Fall-free real-world "Cognitive + Walking" synchronized dual-task training
- ▶ Comprehensive genuine walking experience that stimulates the feet, ankles, vestibular, and central nervous systems empowering fine motor control training
- ▶ Joint-specific, real-time quantitative feedback encourages patients' volitional control



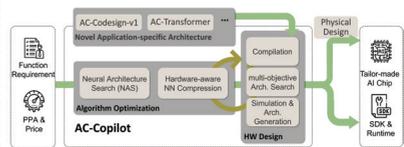
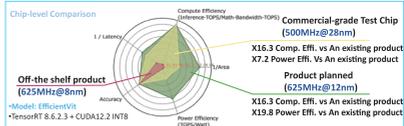
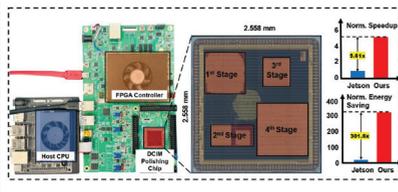
AI Chip Center for Emerging Smart Systems (ACCESS)

High Energy-Efficient Edge Chip & System for Large AI Models

HarbourTek, a spin-off of ACCESS, aims to advance embodied AI, which combines artificial intelligence and robotics to create intelligent systems capable of interacting with their environments. The focus is on developing energy-efficient edge computing devices that can effectively process large AI models of embodied AI while addressing challenges such as real-time computing, privacy, and cost constraints. Furthermore, this project aims to propose effective technical solutions tailored to the characteristics of embodied AI.

- ▶ AC-Transformer: 28nm Commercial-ready Transformer AI chip
- ▶ Configurable hardware architectures for embodied AI based on software-hardware co-design platform.
- ▶ AC-DCIM (High power efficiency compute in memory module, 28nm).

HarbourTek, a spin-off company of ACCESS, aims to commercialize ACCESS's core technologies to serve the era of embodied AI.





Anervoir Power Limited/ Non-Flammable BESS

Asia's First Non-Flammable Battery Energy Storage System(BESS) for Mission-Critical Data Center Applications

Anervoir Power, founded in 2024 by HKUST alumni and industry experts, combines expertise from Hong Kong and Singapore in battery systems, energy management, and materials science. Leveraging 20+ years of experience in data center and UPS applications, we deliver ZnCore28 non-flammable NiZn battery solutions worldwide.

Our ZnCore28 nickel-zinc BESS enables global data centers to achieve: Safety & Reliability, Cost-effectiveness & Sustainability, Intelligence & Innovation

- ▶ Brand Impact: Anervoir, highly recognized by the data center industry at Global Computing Safety & Security Summit (GCSSS2025) in Apr. 23rd, 2025
- ▶ Product Strength: Secured submarine cable data center order in March 2025, product launch in April 2025, completed UL9540A certification in June 2025, mass production begins in August, 2025
- ▶ Market Strategy: 2025-2027 establishing foothold in Hong Kong and Southeast Asian markets (approximately 30% market share); 2026-2030 expanding into EMEA/USA/Middle East regions (10% market share)





APT was founded in 2006 (incubated by HKUST), headquartered in Nansha, Guangzhou, with a share capital of about USD 74 million. Recognized as a model enterprise for high-tech cooperation among Guangdong, Hong Kong, and Taiwan.

APT listed on HKEX on Nov 8, 2024, oversubscribed by 5,678 times, setting a historical record for technology companies' IPOs in Hong Kong.

In 2024, APT generated revenue of USD 360 million, demonstrating robust growth momentum.

✦ CORE PRODUCTS ✦



INTELLIGENT AUTOMOTIVE VISION SECTOR

- ▶ automotive-grade LED device
- ▶ automotive backlight module
- ▶ automotive electrical module
- ▶ intelligent automotive lighting system and HUD



HIGH-END LIGHTING SECTOR

- ▶ intelligent lighting
- ▶ horticultural lighting
- ▶ UV/IR and other special lighting
- ▶ high-end lighting device and module used for indoor & outdoor lighting



ADVANCED DISPLAYS SECTOR

- ▶ Mini LED display device and module
- ▶ new backlight device and module for high color gamut and slim LCD display

✦ KEY CUSTOMERS AND PARTNERS ✦



LYNK & CO
领克

ZEEKR

SPOT

GOOD DVD



CHANGAN
长安汽车

理想

PHILIPS
飞利浦

SAMSUNG

Panasonic

TOYODA GOSEI

MARELLI

KOITO

Hisense

TCL

SKYWORTH
创维

CHANGHONG 长虹

LG

...

✦ TECHNICAL ADVANTAGES ✦

- ✔ APT has been granted over 430 patents as of 2024
- ✔ Advanced LED integrated packaging
- ✔ Advanced flip-chip LED technology
- ✔ Advanced white LED packaging photo-conversion technology

融合「LED+」技術的智能視覺產品及繫統解決方案提供商
A provider of intelligent vision products and system solutions integrating "LED+" technologies.



Blue Guardian

AI-powered wearable anti-drowning system for early detection and timely rescue

Blue Guardian Tech Limited is developing an innovative anti-drowning system that combines AI-enhanced acoustic sensing with automatic flotation mechanisms to ensure the safety of water sports enthusiasts and facility operators.

- ▶ **Multi-modal Detection:** Integrates pressure sensors, IMUs, and health monitors for comprehensive user state assessment.
- ▶ **Real-time Response:** Activates flotation devices within seconds, ensuring timely rescue and reducing drowning risk.
- ▶ **User-Friendly Design:** Lightweight and comfortable, easily attachable to standard water goggles for seamless use.

The flowchart illustrates the system's workflow:

- 1 Connect & Customize:** A user connects the device to a smartphone app to customize settings.
- 2 Information Collection:** The device continuously collects data from various sensors (pressure, IMU, health monitors).
- 3 Detect if Drowning:** The system uses AI to analyze the collected data and detect potential drowning events.
- 4 Trigger Rescue Systems:** Upon detection, the system triggers a series of actions:
 - BLE:** Sends a signal to a nearby smartphone.
 - Sound Alarm & Soothing:** Triggers an alarm and soothing sounds.
 - Automatic Inflatable Airbag:** Deploys an airbag to provide flotation.
 - Request Rescue:** Sends a request for rescue to nearby personnel.

Additional text in the diagram includes: "Customize your rescue system with settings on 7 levels: expert!" and "Request Rescue" with icons for "Request Personnel" and "Request Team".



CCMC LIMITED

Building a Smart IoT City to Support Fast Search for MIP (Mentally Incapacitated People)

The 「友里蹤跡」 community project is an advanced initiative designed to locate missing mentally incapacitated people (MIP). Through the 「友里蹤跡」 app and the 「守護蹤」 device, family members and caregivers can easily report missing MIP's information. The public can also become 「耆跡天使」 assisting in locating the missing individuals promptly. The aim is to ensure their safe return and promote a MIP-friendly community.

- ▶ Multi-modal positioning technology: Combines GPS, LoRa, Wi-Fi, and BLE to ensure high-accuracy, seamless indoor-outdoor tracking with no blind spots.
- ▶ Real-time alerts and community-assisted search: Instant SOS notifications and collaborative locating via mobile app, smart wearables, and Angel Box network.
- ▶ Low-power design with continuous monitoring: Ultra-low energy consumption enables long-term use, while behavior analysis and activity data support daily health tracking.



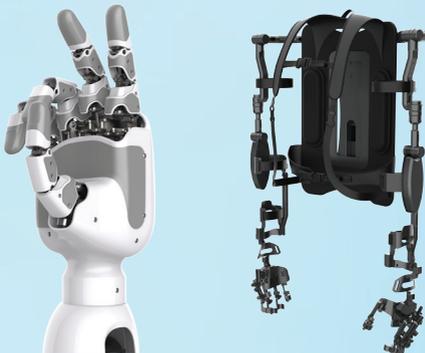


Daimon Robotics

Leveraging World-leading Vision-based Tactile Sensors to Enable Dexterous Robotics

Daimon Robotics is dedicated to developing high-resolution multi-modal tactile sensor and dexterous hand solutions. By integrating AI with robotics, we focus on developing Vision-Tactile-Language-Action (VTLA) models. Daimon Robotics was originated from a research team of HKUST. With years of expertise in tactile sensors, dexterous hand, and multi-modal perception-action models, the team has achieved internationally recognized research outcomes and technological advancements.

- ▶ Self-developed vision-based tactile sensor with high-resolution multi-modal 3D tactile perception.
- ▶ 3 core products: Vision-based tactile sensor, dexterous hands, teleoperation and data-collection exoskeleton.
- ▶ Integration of these products to provide solutions for Intelligent Logistics, Laboratory Automation, Embodied Artificial Intelligence, etc



ELEVATEFOODS

Elevatefoods Technology Limited

AI-powered 3D Food Printing for Personalized Nutrition

Elevatefoods is a food tech startup focused on transforming personalized nutrition and digitally optimized food through innovative A.I 3D food printing technology. The company aims to create industrial-use 3D food fabrication solution that revolutionizes the preparation, cooking, and consumption of personalized meals, offering ready-to-eat edible products with distinctive design, texture, sensory, and nutritional profiles.

- ▶ Patented in-situ food printing and nano cooking technology
- ▶ A.I powered food design and personalised nutrition
- ▶ Industrial-grade multi-ingredient 3D food production



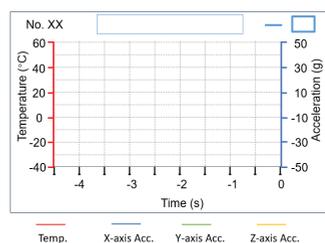
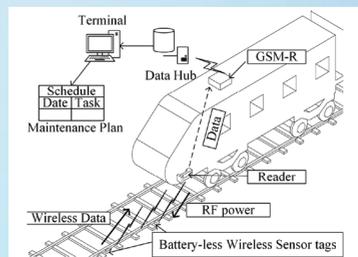


Fig Lab Ltd

Fig Lab designs, develops, fabricates, and sells wireless and self-powered sensor systems

Our sensor portfolio provides solutions for detecting temperature, pressure, force, speed, torque, deformation, and motions. Main markets include smart tires, powertrain condition monitoring, and railway health monitoring solutions.

- ▶ Wireless and battery-free sensor system
- ▶ Easy installation and low maintenance cost
- ▶ Fully autonomous condition monitoring of railway tracks



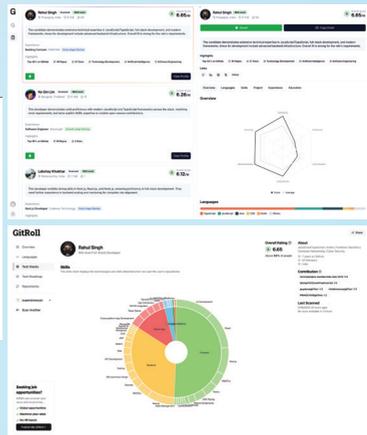
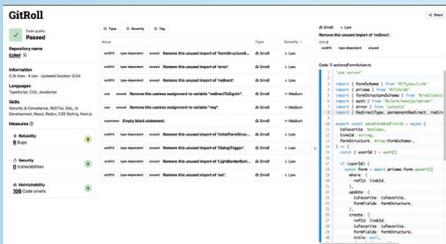
GitRoll

GitRoll

GitRoll helps companies hire developers by analyzing their GitHub code to reveal real-world skills and project experience

GitRoll is an AI-powered hiring platform that helps companies discover and evaluate developers based on their GitHub activity. By analyzing real code, GitRoll highlights each candidate's strengths, technical skills, and project quality—enabling faster, fairer, and more accurate technical hiring.

- ▶ Analyzes GitHub code to assess real-world developer skills and contributions.
- ▶ Uses AI to rank candidates based on technical relevance and code quality.
- ▶ Instantly matches job descriptions with top-fit developers from GitHub and our 10M+ talent pool.

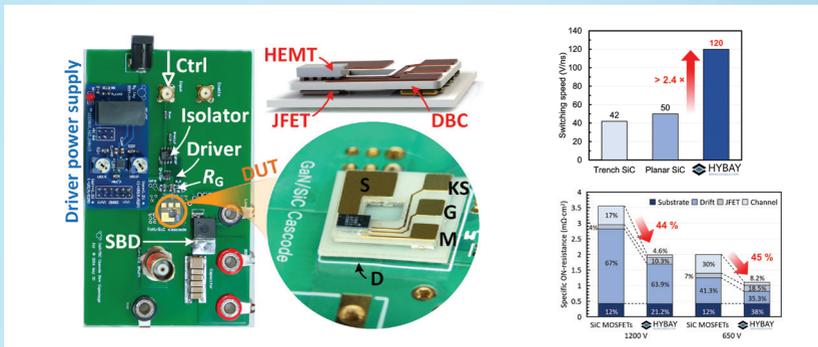


Hybay Semiconductor

Combining the complementary merits of GaN and SiC in a single power switch for AI infrastructure power supply units

Our company aims to design and produce high-performance heterogeneous wide bandgap (H-WBG) power devices by combining the complementary advantages of GaN and SiC while eliminating their reliability concerns. Our new H-WBG power devices exceed the performance metrics of conventional SiC Power MOSFETs while reducing the chip area by more than 40%, making the final H-WBG device more than 25% cheaper than traditional SiC power MOSFETs

- ▶ Outstanding performance achieved at the board level, with superior switching capabilities compared to conventional SiC MOSFETs.
- ▶ Gen 3 H-WBG device, engineered with superior stability at the packaging level.
- ▶ H-WBG devices deliver low Ron.Qg with ultrafast switching speed and suppressed switching loss, enabling highly efficient power conversion modules.



Kingjune Robotic Technology Co., Ltd

A dual-robot system that enables fast, safe, and precise photovoltaic installation for low-rise facades in urban and industrial environments

Our project develops a dual-robot system for fast, safe, and precise photovoltaic installation on low-rise building facades. Targeting urban retrofitting and new construction, the system features scaffold-free operation, BIM-RealSense modeling, and automated optimal layout calculation. It reduces labor risks, shortens installation time by 50%, and supports carbon reduction goals by transforming buildings into clean energy producers.

- ▶ Rapid PV retrofitting for aging or heritage facades with no structural damage and minimal intervention.
- ▶ Robot-friendly anchor (framework)
- ▶ Modular deployment for community, post-disaster, or temporary structures with ≤ 3 -day on-site installation.



Medical-Grade Multimodal Home Health Management Platform

Specialized in Home-Based Monitoring and Management of Geriatric Chronic Diseases with a Focus on Chronic Obstructive Pulmonary Disease (COPD) and Cerebrocardiovascular Disease.

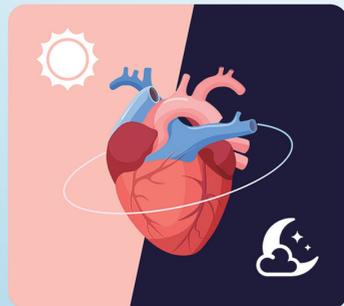
COPD SmartCare Solution

- 1、 Non-contact Pulmonary Function Assessment
 - EarSpiro™ Wearable Spirometer
- 2、 Respiratory Training Guidance
 - DeepBreath™ Rehab System
- 3、 AE-COPD Early Alert
 - Telemetric parameters via smartphone-based evaluation
 - CRP Rapid Fingertip Blood Assay
- 4、 Dynamic Medication Management



Cerebrocardiovascular Disease AI Solution

- 1、 Continuous Blood Pressure Monitoring
 - WaveBP - Contactless Arterial Blood Pressure Waveform Sensing
 - Continuous BCG-Based Blood Pressure Tracking
- 2、 7-Parameter Rapid Fingertip Panel
- 3、 Multimodal AI Alert System
- 4、 Smart Medication AI Engine



Core Team Members



Qian Zhang

Chair Professor at HKUST
Fellow of HKAES

Yining Chen

CEO of Shenzhen Ciyunge
Medical Technology Co., Ltd.

Wentao Xie

Research Assistant
Professor at HKUST

Sheng Gao

CTO of Shenzhen Ciyunge
Medical Technology Co., Ltd.

Chi Xu

Ph.D. student
at HKUST

Zhifei Ge

Chief Scientist of Shenzhen Ciyunge
Medical Technology Co., Ltd.

Chenggao Li

Ph.D. student
at HKUST

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Electronics, AI and Smart Systems (EAS)

QKM established in 2011, develops and applies industrial embodied intelligent robots and independently developed systems, serving the advanced manufacturing industry.



- **Integrated Drive - Control Electronics:** Self - developed high - integration controller reduces costs, enabling precise control in 3C, new energy, partnering with Schneider Electric, CATL, Foxconn, and others.
- **Self - developed Robot Intelligence OS:** Integrates AI for intuitive control, enabling non - experts to handle flexible tasks safely and efficiently.
- **All - in - One Compact Design:** Integrated modules minimize deployment complexity, ideal for SMEs' agile production lines (precision assembly, food and medicine packaging).

Raysolve Technology Company Limited

Raysolve develops ultra-bright quantum dot micro-LED microdisplays, enabling advanced full-color AR glasses

Raysolve, an HKUST spinoff with labs in Hong Kong and Suzhou, is revolutionizing AR displays through its full-color micro-LED microdisplays. Leveraging 20 years of research and quantum dot technology, we've achieved industry-first full-color solutions. Our ultra-compact, high-brightness microdisplays are engineered specifically for next-generation AR glasses, delivering unmatched color performance in miniature form factors for immersive wearable experiences.

- ▶ Quantum Dot Photoresist – Enables vibrant full-color microdisplays in ultra-compact AR glasses.
- ▶ High-Brightness Micro-LEDs – Delivers sunlight-readable visuals for outdoor AR applications.
- ▶ Miniaturized Pixel Design – Achieves ultra high resolution in tiny displays for lightweight wearables.



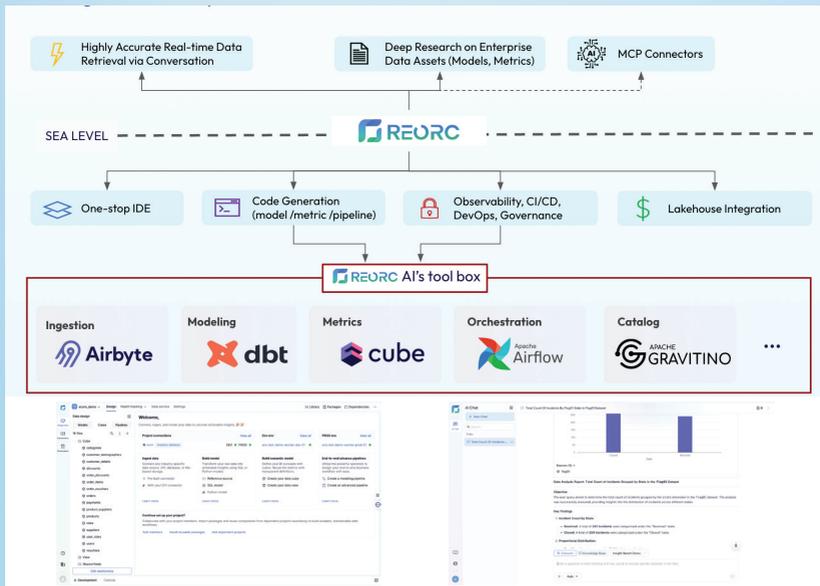


ReOrc

We build Agentic AI for Enterprise Data Operations

ReOrc is an Agentic AI platform that helps enterprises to seamlessly integrate end-to-end data operations, and conduct high-quality analytics at scale.

- ▶ Powered by SOTA LLMs and customized for data operations
- ▶ AI-native end-to-end data infrastructure with MCP
- ▶ Multi-agent architecture to provide deep analytics, research, and tool usage

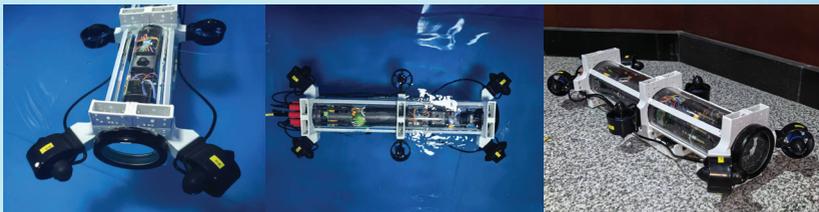


SeamoTech Co. Limited

Algorithm-driven autonomous underwater robots for consumer entertainment, featuring smart collaboration and modular designs

SeamoTech develops innovative, algorithm-driven autonomous underwater robots for the recreational market. Our core focus is intelligent swarm systems and modular designs, overcoming traditional limitations to deliver lightweight, safe solutions. We aim to transform underwater exploration and activities with accessible, reliable technology.

- ▶ **AI Swarm Intelligence:** Proprietary algorithms enable multiple robots to autonomously coordinate complex underwater exploration and tasks.
(Application: Group marine surveys & synchronized entertainment shows)
- ▶ **Modular Payload System:** Hot-swappable functional modules (cameras, sensors, tools) adapt robots instantly to diverse user needs.
(Application: Customizable recreational filming, inspection, or interactive gaming)
- ▶ **Lightweight Safety Architecture:** Advanced materials and fail-safe protocols ensure reliable, collision-avoidant operation in dynamic aquatic environments.
(Application: Safe, accessible underwater adventures for consumer users)





Set Sail Venture Limited

Enterprise-grade GenAI agents and platforms for chat, voice, email, kiosks, and customer data integration

Set Sail AI delivers end-to-end GenAI solutions for enterprises and public sectors, including chatbots, Voice AI, Kiosk AI, Email AI, and CDP AI integrations. Deployed across 200+ projects, our platform powers 120M+ conversations annually with 92%+ accuracy, enabling real-time automation tailored for Cantonese-speaking users in Hong Kong.

- ▶ Real-time Voice AI with < 2s latency and emotion detection
- ▶ Proprietary Dynamic Knowledge Retrieval (DKR) for accurate LLM responses
- ▶ Seamless omni-channel marketing automation with CRM/CDP integration





Skyland Innovation

Skyland Innovation delivers cutting-edge 3D sensing and intelligent infrastructure solutions for construction, inspection, and digital twin applications

Skyland Innovation (SkylandX) is a robotics and 3D sensing company dedicated to intelligent infrastructure solutions. Originating from the HKUST-DJI Joint Lab and incubated under the HKCRC and XbotPark ecosystem, we develop advanced technologies like Metacam Air – a handheld 3D LiDAR scanner that enables real-time colorized point clouds and high-precision mapping. Our mission is to bridge the physical and digital worlds through spatial intelligence.

- ▶ Multi-Sensor Fusion for cm-Level Positioning: World's first GNSS-visual-inertial tight coupling system for drones and robots.
- ▶ Low-Cost, High-Accuracy 3D Reconstruction: Proprietary algorithms achieve millimetre precision with affordable sensors.
- ▶ GPS-Denied Navigation for Robots: First micro-drone autonomous exploration and navigation system for complex environments.





StarryCraze Technology Limited

We delivers personalized entertainment updates and insights, transforming global fan engagement with AI

StarryCraze Technology, a Hong Kong AI startup backed by HKSTP, HKUST and Tech 300, pioneers fan engagement with Starry, an AI-powered concierge. Its patented algorithm provides real-time, personalized entertainment updates for entertainment fans while its backend provides data-driven B2B insights, unlocking revenue streams for the industry.

- ▶ Patented AI algorithm boosts content recommendations by 20-30%, enhancing fan engagement.
- ▶ Real-time analytics empower entertainment platforms with actionable B2B insights.
- ▶ Scalable platform integrates seamlessly, driving new revenue streams for media partners.

Starry AI Fans by Age

Age Group	Percentage
>75	6.7%
56-75	13.3%
36-55	24%
26-35	20%
16-25	26.7%
<16	13.3%

Real-Time Fans Insights

- Active users right now: 12,345 (98%)
- Trending Segment: 18-24 years old (8%)
- Sentiment: 85%
- Churn: 15%

AI Predictions

- Event Success Probability: 95%
- Event ROI: 75%

Starry v1.1 bot

Can you tell me where i can buy the concert tickets of Coldplay in Hong Kong?

You can buy Coldplay concert tickets for their show in Hong Kong from the following sources:

- [Coldplay Official Website - ASIA TOUR 2025](https://www.coldplay.com/asia.html) - Presale begins on Monday, October 7.
- [Live Nation - Coldplay Tour Dates & Concerts](https://www.livenation.hk/en/artist-coldplay/9720) - Book online and view seating plans.
- [Live Nation - Buy tickets for Coldplay: Music Of The Spheres World Tour](https://www.livenation.hk/show/152021/coldplay-music-of-the-spheres-world-tour-delivered-by-dhl/hong%20kong/2025-04-09/m) - Show dates and venue information.
- [Klook - Coldplay: Music Of The Spheres World Tour](https://www.klook.com/blog/coldplay-hong-kong-2025/) - Experience Packages available for purchase.
- [Cityline - Coldplay: Music Of The Spheres World Tour](https://www.cityline.com/hk/en/entertainment/coldplay-music-of-the-spheres-world-tour-2025-04-09/)



Stellarus

Stellarus Technology Limited

Revolutionizing Renewable Energy Prediction and Trading with Proprietary Satellite Constellation Data and Ultra-high Resolution AI Prediction Algorithm

Stellarus delivers actionable insight to the market players in energy trading by acquiring ultra-high resolution key meteorological factors that dominate the supply and demand of renewable energy with its proprietary designed satellite constellation, and use its in-house AI algorithms which integrate measured data by satellites to produce accurate site-level renewable energy power generation prediction. With the booming of the renewable energy adoption in China and Belt-and-Road countries, this solution addresses the painpoints of a trillion-level energy trading market.

- ▶ Proprietary satellite constellation to measure key ultra-high resolution meteorological factors which dominate the renewable energy generation in a cost-effective manner
- ▶ In-house AI algorithms which integrate measured data by satellites to produce accurate site-level renewable energy power generation prediction
- ▶ Actionable insights for energy trading delivered by intelligent renewable energy prediction and trading cloud platform

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Electronics, AI and Smart Systems (EAS)



WaveRobot

Eco-friendly all in one robot for commercial pool cleaning

Through collaboration with Hong Kong Ocean Park, WaveRobot is developing a next-generation commercial pool cleaning robot with high efficiency and intelligent capabilities especially for extra large-size pools.

- ▶ **Modular design:** With the fast replacement of cleaning tools and structures, our robots can adapt to different environments and tackle complex tasks.
- ▶ **Underwater SLAM and Navigation System:** Equipped with an HKUST-invented underwater SLAM system, our robot could be fully unattended.
- ▶ **Advanced control system:** By combining sensing and control technology, our robot could work against strong water flow.



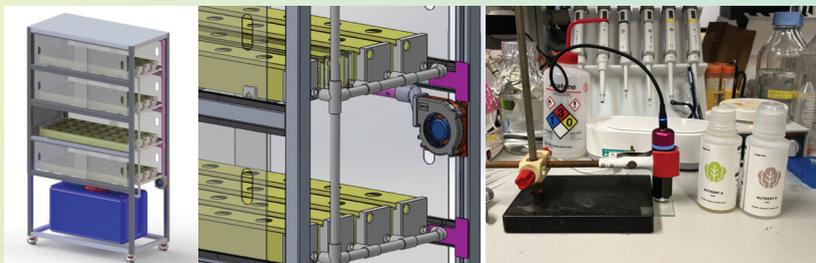


AgriFutureHK

AgriFutureHK aims to lead the future of urban agriculture, by building a indoor farming rack with modular and scalable solutions

AgriFutureHK is a startup revolutionizing indoor farming with modular, scalable solutions designed for visionary growers, academic researchers, and public engagement. Their innovative systems, featuring custom LED lighting, water-based HVAC, and precision nutrient detection, ensure consistent, high-quality crop growth. By offering a one-stop platform for deployment and operation, they tackle the challenges of high costs and complex setups.

- ▶ Custom LED lighting optimizes energy use and tailors light spectra to boost crop yields in indoor farming.
- ▶ Water-based HVAC provides sustainable, cost-effective temperature and airflow management for consistent indoor farming conditions.
- ▶ Spectral sensors and nanoporous silver sheet allow precised nutrient detection, enabling high-quality crop production.

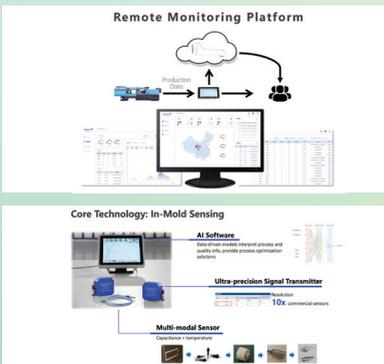


Argusmo Technology Ltd.

Industry AI agent provides real-time quality monitoring and intelligent process control for polymer processing

Argusmo is developing industry AI agent for polymer processing, dedicated to driving the digital-intelligent evolution. We pioneered the world's first multi-modal in-mold monitoring technology for injection molding based on super-precision capacitive sensing. Our solutions provide online quality monitoring and dynamic process optimization for precision injection molding, plastic extrusion, composite preparation.

- ▶ World-first sensing technology for capturing material and quality changes online
- ▶ Award winning control algorithms for superior precision for injection molding
- ▶ Application proven with leading companies in Automotive, Appliances, New Material industries.





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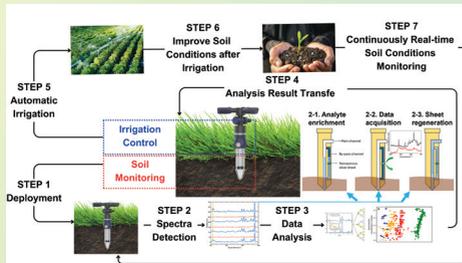
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Auro Innovation Technology Limited

We provide an advanced intelligent irrigation device that automatically irrigate and save water based on soil condition monitoring

Auro is a company to develop intelligent irrigation device that can automatically irrigate based on soil condition monitoring. Our company was established by professors, industry engineers and business experts. We have received 1.5 million funding for product development and our first-generation smart irrigation product will be available in 2025.

- ▶ Automatic irrigation based on monitoring of soil condition to save 30% water
- ▶ More precise irrigation control to provide better water conservation
- ▶ More accurate environmental monitoring to provide better growth condition for plants



Our substrate for surface enhanced spectroscopy

Uniform structure and stable background signal

Application of the substrate for spectral measurement in agriculture field

Low detection limit for quantitative analysis of pesticide residue

Comparison of Auro Wand with Traditional Automatic Irrigation Solutions

Reduced Environmental Interference

- Less influenced by environmental factors such as soil salinity or temperature fluctuations.

Capacitive Sensor

- Strongly Affected by Soil Salinity
- Sensitive to changes in soil salinity, which can impact accuracy.
- Frequent Calibration Required
- Needs regular calibration to maintain measurement accuracy, especially in varying soil conditions.

Real-Time Monitoring and Adjustment

- Monitors and adjusts irrigation based on actual soil and environmental data without needing external inputs.

Smart Home Solution

- Requires Smart Hub Integration
- Must be connected to a home smart hub, which adds complexity to setup.
- No Local Feedback
- Control adjust based on real-time, localized environmental conditions.

Independent Control System

- Operates autonomously, ensuring precise control without relying on external data or connectivity.

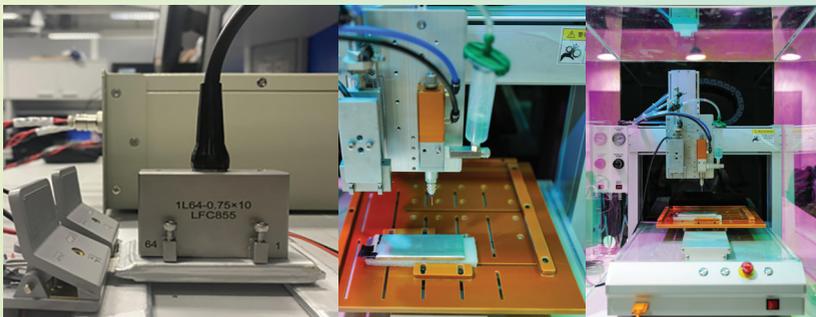


EverSound Technology Co., Ltd

We use ultrasonic technology to realize non-invasive evaluation and assessment of the health condition and quality of Li-ion batteries

Our spin-out company/project aims at developing novel ultrasonic non-invasive approaches and systems to accurately detect defects inside energy storage device (e.g., Li-ion batteries) and to assess their health conditions. Our cost-effective product enables real-time and in-situ evaluation of batteries, and can readily used in various types of batteries.

- ▶ Novel ultrasonic based method and systems for real-time, in-situ and non-invasive assessment of the health condition of energy-storage device (e.g., Li-ion battery).
- ▶ Interior imaging capabilities with high-resolution volumetric images for revealing internal structures.
- ▶ AI-enhanced diagnosis tools for robust and fully automated interpretation of inspection outcomes, delivering highly accurate evaluation results.





GP NANO TECH. LTD

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GP Nano Tech. Limited

Separation Membranes for Semiconductor Grade Ultrapure Liquids

Our decade-developed ultrathin nanofilm boasts 25x steel strength, high transparency, breathability, waterproofing, and adjustable pores. Ideal for ultrapure water, desalination, medical devices, and wearables, it holds multiple patents. Backed by ¥10M+ funding from academia/industry, we target mass production within 3 years.

- ▶ 25x steel-strength nano-film: Transparent, waterproof, breathable, and tunable pores for advanced filtration/protective materials.
- ▶ Twin-screw extrusion + 40x40 stretch ratio: Enables molecular-to-macro orientation control of UHMWPE thickness/pore size.
- ▶ Breakthrough processing vs 9x9 traditional stretching: Achieves industrial-scale continuous production of ultra-strong polymer films.



Material, Energy and Sustainability (MES)



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Material, Energy and Sustainability (MES)

Leyden Power International Limited

Your Pathfinder in BESS Solutions
Providing People Reliable Power with Battery Energy Storage System

Leyden Power is a leading green energy service provider in Hong Kong, committed to driving sustainability in your operations. Designed for standalone or hybrid configurations, our Battery Energy Storage System (BESS), the NAVY Series, seamlessly integrates with generators, renewables and grid, transforming your energy experience with low noise disturbance, carbon emission reduction and significant fuel cost reductions.

Just as the Leyden Jar revolutionized energy capture, Leyden Power is transforming the green energy landscape today. This isn't just energy storage, we also focus on energy digitalization—something traditional generators simply cannot achieve itself.

- ▶ **Data-driven Management Platform:** enable businesses to access data for real-time monitoring, optimize their energy usages, provide trending analysis and predictive insights.
- ▶ **Uninterrupted Operations:** ensure reliable power and power expansion for remote and challenging locations with dual input port and high storage capacity.
- ▶ **Prioritize Safety:** four-layer protection system.



Padergy

High activity, long life and low cost Pt@Pd core-shell fuel cell catalyst, the next generation technology

"Padergy founded in August 2023 by Chair Professor Shao Minhua of HKUST. Raised 18M RMB from Lenovo Capital and RedBird Set-Sailing Fund in July 2024. With globally leading Pt@Pd core-shell catalyst technology, Padergy will promote high-quality development of the hydrogen fuel cell industry by significantly cost-down. Padergy also get 20M RMB funding support from Guangdong government, to accelerate kg level production.

- ▶ The core-shell catalyst activity is 3 times of current product in market, will reduce at least 50% cost from stack level.
- ▶ The core-shell catalyst life time +50%, will reduce the OPEX from end user side accordingly.
- ▶ The core-shell catalyst featured by high MA wt.%, perfectly matched with eVTOL application.

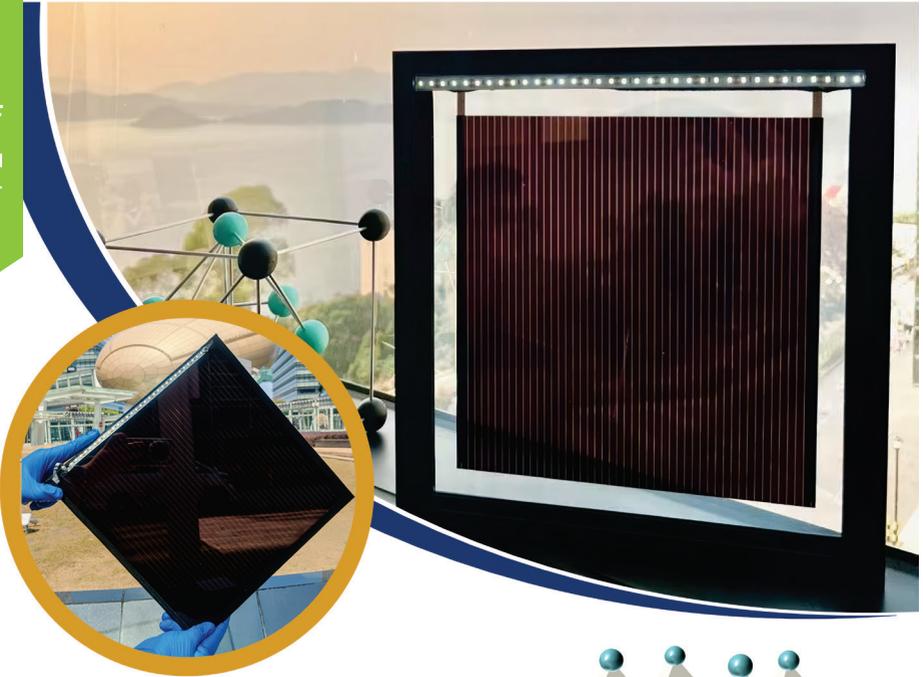


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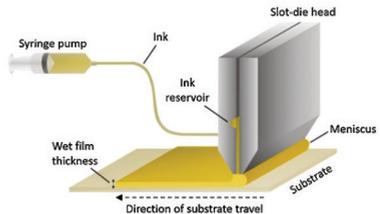
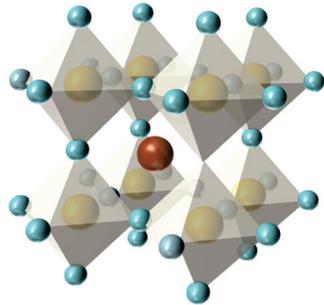
Material, Energy and Sustainability (MES)



PEROVSKITE SOLAR MODULE

Perovskite-based solar modules represent a promising advancement in photovoltaic technology. To transition from lab-scale cells to practical applications, recent efforts of Prof. ZHOU's group have focused on scaling up these devices into stable, large-area modules suitable for real-world deployment.

- ▶ **High Power Conversion Efficiency**
- ▶ **Low Manufacturing Cost**
- ▶ **Advanced Fabrication Techniques**
- ▶ **Potential for Building Integration**



Prof. ZHOU Yuanyuan (Alvin)



yyzhou@ust.hk



www.alvinyzhou.com



香港科技大學
THE HONG KONG
UNIVERSITY OF SCIENCE
AND TECHNOLOGY



Quano Technologies Ltd

Quano Technologies develops, manufactures, and sells next-generation precision positioning devices for the most demanding environments

Quano Technologies Ltd. accelerates scientific breakthroughs in service of human advancement, through innovative, reliable positioning solutions for scientific and industry applications.

- ▶ Smallest precision positioning device on the market
- ▶ Mechanical stability due to redesigned structure
- ▶ Using high quality materials and smart interfaces





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Material, Energy and Sustainability (MES)

Tranquility Acoustronics (HK) Limited

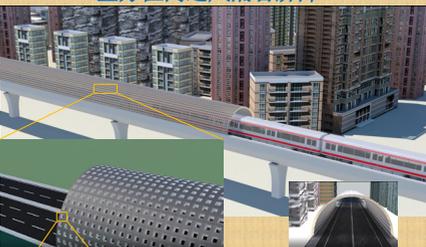
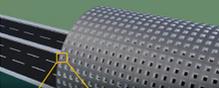
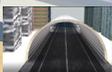
Tranquil home ecosystem full range products including light weight wall panels and curtains, quiet vacuum cleaner, hair dryer, kitchen exhaust

Tranquility Acoustronics possesses the world-leading acoustic metamaterials technology platform originated from the cutting edge research achievements at HKUST and provides the general public a full range of noise elimination products and services for tranquil home and greener society.

- ▶ 54 decibels soundproof wall panels using recycled materials that are only 10 cm thick and weigh 39 kg/m²
- ▶ Kitchen exhaust with 22 m³/min and 49 dB noise
- ▶ Baby care dryer with 45 dB noise




All-Round High-Ventilation Noise Shield 全方位高通风隔音屏障

All-round Ventilation Noise Shield Formed by Ventilation Silencers
通风隔音屏障单元构成全方位通风隔音屏障

Large Ventilation Area Allows Vehicle Emission to be Effectively Dispersed by Natural Wind
充足通风面积保证车辆废气可被自然风吹散

Applicable for Highway, High Speed Rail, Inter- and Intra-city Light Rail, etc.
可用于高速公路、高铁轨道、城际火车轨道、地铁城市轨道交通等应用场景

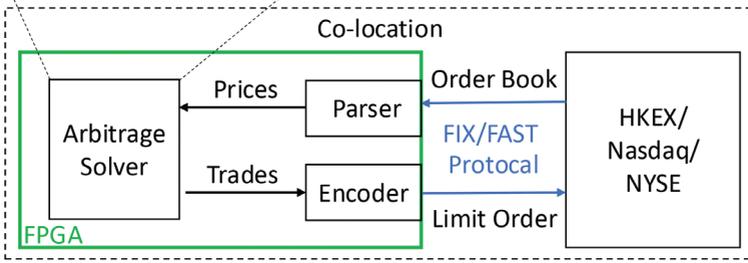
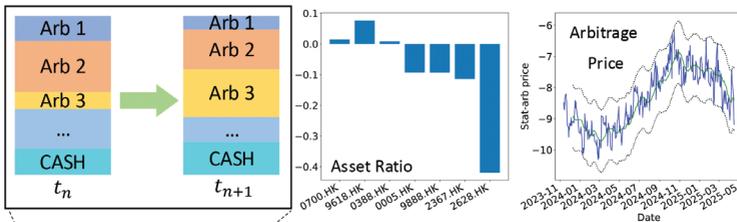
The China Solution for the Traffic Noise Pollution Challenge Worldwide
有效解决世界交通噪音污染难题的中国方案

AI Chip Center for Emerging Smart Systems (ACCESS)

Hardware Accelerator for Financial Computing

We offer a financial computing hardware accelerator (AC-CVXPY) utilizing FPGA and ASIC. It delivers the adaptability of a general software solver and enhanced speed through finance-specific hardware architecture.

- ▶ Customized high-power efficiency and low latency AI core optimized for finance market prediction using co-design technology
- ▶ A hardware solver for low-latency portfolio optimization
- ▶ Reconfigurable circuit technology for flexible algorithm adoption



Supported by:

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Innovation and Technology Commission



Hong Kong Center for
Neurodegenerative Diseases
香港神經退行性疾病中心

Harness the power of science to actualize innovative diagnostic tools and therapeutic strategies for neurodegenerative diseases

- Established in 2020 under the government-funded InnoHK initiative
- Spearheaded by neuroscientist Prof. Nancy Ip, HKCeND has assembled distinguished scientists in neuroscience, stem cell biology, and artificial intelligence to propel cutting-edge research
- Deliver breakthroughs that revolutionize the healthcare landscape and enhance the quality of life for the aging population worldwide
- Established 4 spin-off companies to develop and translate R&D outcomes



Developed blood-based multi-protein diagnostic tests for early detection, disease monitoring, and management of neurodegenerative diseases



Identified blood proteins as novel drug targets for developing treatments for Alzheimer's disease



Pioneering an innovative genome-editing strategy for familial Alzheimer's disease therapy



- Leverage advanced multi-omics and iPSC technologies for protein biomarker discovery and modeling of neurodegenerative diseases
- Equipped with a comprehensive and expanding biobank of human tissues and iPSC lines

Hong Kong Center for Construction Robotics

Layra uses multi-agent AI to interact like expert designers, delivering personalized modular smart home with full automation

Hong Kong Center for Construction Robotics (HKCRC), a scientific research and entrepreneurship platform, was established in 2020 by the Hong Kong University of Science and Technology and the University of California, Berkeley. It is affiliated to the InnoHK project of the Hong Kong government.

- ▶ Layra is a generative AI design platform for modular smart homes. It supports full-process automation—from 2D floorplans to 3D layout generation and multi-style rendering—bridging design and production efficiently. Powered by a multi-agent system, Layra interacts with users in a human-like manner, ensuring every design is user-centered, adaptive, and production-ready.





香港生成式人工智能研發中心

HONG KONG
GENERATIVE AI | RESEARCH & DEVELOPMENT
CENTER

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InnoHK

WHO IS HKGAI?



One of the research centers under the InnoHK program, a key initiative of the Hong Kong SAR Government.



Developing a series of Multimodal, Multilingual Foundation Models, vertical Foundation Models, and also tailor-made applications for Hong Kong society.



Leading by HKUST, collaborates with five top-tier institutions: NUS, HKU, CUHK, PolyU, CityU.

π 創新科技署
Innovation and Technology Commission



WHAT IS HKGAI V1?

Hong Kong First Homegrown AI LLM For Citizens



Fully-tuned LLM Based on Deepseek



Full-Mode AIGC Capabilities



Hong Kong's Largest Local Knowledge Base



AIGC Foundation For Hong Kong Citizens



Global Vision Rooted in Hong Kong



Hong Kong's Largest Local Computing Cluster

Matching the capabilities of leading LLMs, excelling in localized applications, ensuring safety and relevance.

WHAT IS HKGAI DOING?

HKGAI Strives To Build Hong Kong's AI Ecosystem

HKGAI develops a Hong Kong-specific AI ecosystem across computing platforms, large models, application development, and public services.



Based on the HKGAI V1, HKGAI develops a series of AIGC applications to be the AI buddies for Hong Kong citizens.



HKPILOT

HKPILOT app supports office workers with smart writing tools to enhance writing speed and work efficiency. It is currently being trialled by government employees in Hong Kong SAR.



HChat

HChat is an AI conversational app for Hong Kong citizens, with local knowledge and government data. Fast, accurate support in Cantonese, English, and Mandarin.



HMeeting

HMeeting is an AI app designed for Hong Kong's unique multilingual environment. It automatically transcribes meeting audio, generates minutes, and enhances internal communication efficiency.



HEcoLink

HEcoLink uses AI and big data to support smart environmental decisions, automating monitoring, enhancing pollution control, and improving resource management across Hong Kong.



LexiHK

LexiHK is an AI-driven legal app, offering efficient, compliant, and professional legal assistance to Hong Kong government, local citizens, and lawyers.



Hum2Song

Hum2Song is an AI music tool that transforms casual humming into polished songs. Just hum a tune, and it analyzes vocal elements to generate rhyming lyrics and create rich arrangements with AI-driven instrumentals, in just 3 minutes.

More Information

www.hkgai.org



Hong Kong Space Robotics and Energy Centre Limited (HKSRE)

Hong Kong Operation Robot - A Multifunctional Lunar Surface and Mobile Charging System for the Chang'E 8 National Lunar Exploration Mission

HKSRE, funded and supported by the Hong Kong Special Administrative Region government, focuses on space technology development. It will facilitate an international collaboration project for Chang'E-8, a national lunar exploration mission, where Hong Kong SAR, mainland China, and overseas institutions will jointly conduct technological research, and develop the mission's multifunctional lunar surface robot with mobile charging capability.

- ▶ Facilitating a China National Space Administration-appointed international cooperation project : Hong Kong Operation Robot.
- ▶ The project has the opportunity to become the first lunar operation robot equipped with wireless charging.
- ▶ Funded by the Innovation and Technology Commission of the Hong Kong Special Administrative Region government under the InnoHK initiative.





香港科技大學
THE HONG KONG
UNIVERSITY OF SCIENCE
AND TECHNOLOGY

广州市香港科大霍英东研究院
GUANGZHOU HKUST FOK YING TUNG RESEARCH INSTITUTE

Guangzhou HKUST Fok Ying Tung Research Institute (FYTRI)

立足南沙、协同港澳、面向世界

As the largest HKUST knowledge transfer platform in Mainland China, FYTRI operates two tech Startup platforms – “HKUST (GZ) Innovation and Technology Transfer Base” and “Guangdong-Hong Kong-Macao (International) Youth Entrepreneurship Hub”, offering shared offices, R&D labs, incubation programs, and funding support to tech startups from Hong Kong and overseas.



Co-working Desks

Dry & Wet Labs

HKUST One Million Dollar Competition
(GZ region)

RedBird Incubation Programs

RedBird Set-Sailing Fund



HKUST (GZ) Innovation and
Technology Transfer Base

- ▶ Ideal for HKUST-related Startups
- ▶ 45mins High-speed Rail from West Kowloon station



Guangdong-Hong Kong-Macao (Int'l)
Youth Entrepreneurship Hub

- ▶ Ideal for Hong Kong and overseas Startups
- ▶ 60mins drive from Futian Checkpoint



BLUE BAY
蓝海湾孵化港

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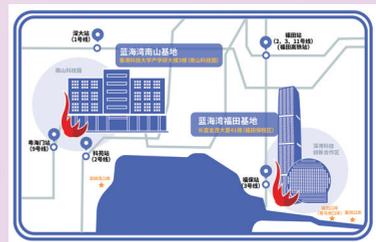
Mainland Incubator

HKUST Blue Bay

HKUST Innovation and Entrepreneurship Incubator @ Shenzhen

HKUST Blue Bay Incubator was officially established by HKUST in Shenzhen for entrepreneurs. Blue Bay has been upgraded to provide a comprehensive incubation system that covers the entire spectrum of entrepreneurship, and fully integrates the technology and innovation resources to provide multidimensional support to nurture and facilitate start-up companies from the HKUST community to grow and flourish in the Greater Bay Area.

- ▶ National-level Maker Space with one-stop services
- ▶ 151 HKUST-affiliated startups incubated
- ▶ Helped 44 startups receive investment in the mainland totaling more than 10 billion RMB
- ▶ Aided 55 startups secure mainland government entrepreneurship funding worth more than 50 million RMB





香港科技大学
(佛山)科技成果转化中心

HKUST Foshan Center for Technology Transfer and Commercialization

Technology transfer and commercialization, entrepreneurship incubation and hosting the HKUST One Million Dollar International Entrepreneurship Competition in Foshan

FCTTC is jointly established by the Foshan Municipal Government and Nanhai District Government in March 2022, operating under the strategic guidance of HKUST Foshan Research Institute. Located in Foshan Sanlongwan Sci-Tech City (Nanhai District), FCTTC is strategically positioned just 10-minute drive from Guangzhou South Railway Station, offering convenient access to the Greater Bay Area's innovation networks.

As an innovation entrepreneurship incubator, FCTTC provides comprehensive support not only to HKUST faculty, students, staff, and alumni, but also to high-potential entrepreneurial teams. It assists them in establishing ventures in Foshan, offering services that include startup mentorship and funding access.



HKUST(GZ) Office of Knowledge Transfer Office

Office of Knowledge Transfer

The Office of Knowledge Transfer of HKUST(GZ) was established in April 2023. The office consists of the Industry Collaboration Department, Intellectual Property Department, Entrepreneurship Center, and Training Center. It is responsible for planning, implementing, operating, and regulating knowledge transfer-related issues at all stages.

Mainland Incubator



Entrepreneurship Center

- ▶ Entrepreneurship Ecosystem Fostering
- ▶ Campus Startup Support

Email:
ec-gz@hkust-gz.edu.cn



Training Center

- ▶ Customized Program
- ▶ Executive Education
- ▶ Tech Acceleration
- ▶ International Study and Consulting

Email:
tc@hkust-gz.edu.cn



Intellectual Property Department

- ▶ Intellectual Property Management
- ▶ Intellectual Property Operation

Email:
ipd@hkust-gz.edu.cn

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Bio-Medical and Healthcare (BMH)



AUISET Biotechnology Co., Ltd



COMPANY INTRODUCTION

Powered by our innovative Chinese fluorescence technology - Aggregation-induced emission, we deliver cutting-edge diagnostic solutions for both human and pet healthcare. Founded in 2018 in Hong Kong, our mission is to revolutionize health monitoring with faster, more accurate, and user-friendly tools—bringing advanced biotech from the lab to everyday life.

- AIE-NP's uniform shape ensures consistent performance, replacing variable fluorescence materials in paper strip development.
- Exceptional photostability and photobleaching resistance make AIE-NP ideal for durable, efficient factory-scale manufacturing.
- AIE paper strips enable flexible qualitative and quantitative analyte detection across diverse applications.



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FLASH Diagnostics Limited



COMPANY INTRODUCTION

FLASH Diagnostics is building the future of molecular testing – portable, fast, and accessible anywhere. Our platform delivers lab-quality detection of infectious pathogens – like bacteria, viruses, and parasites – from blood, saliva, and more in just minutes. Starting with veterinary disease detection, we’re advancing diagnostics access to protect animal, human, and environmental health worldwide.

- SampleDirect: Detect DNA/RNA in blood, swab, urine, or feces in minutes – no lab equipment needed.
- 30-minute results: Actionable answers on-site, faster than sending samples to a lab.
- From clinic to home: Designed for use in vet clinics, farms, and – soon – at home for high-standard care anywhere.

Bio-Medical and Healthcare (BMH)



Global Medical Biotech Limited



COMPANY INTRODUCTION

Global Medical Biotech Limited (GMB) provides one-stop integrated R&D and sales platforms for natural health products. The intellectual properties, such as experimental data and patents, generated by GMB are the company's core business value.

- The self-developed herbal products by GMB are tailored for consumers of different ages under sub-optimized health conditions
- GMB is aiming to identify phytochemicals from Chinese herbs to discover new drugs
- Redevelop Traditional Chinese medicine formulas and register them as proprietary Chinese medicine

INFitech Limited



COMPANY INTRODUCTION

INFitech leverages over 20 years of research on synaptic function and brain diseases to develop innovative herbal-based therapeutics. Founded by university neuroscience experts and powered by proprietary technology licensed from HKUST, INFitech delivers scientifically-backed nutraceuticals designed to maintain and enhance cognitive health. With preclinical studies advancing toward IND filing, INFitech is at the forefront of pioneering treatments for neurodegenerative conditions—empowering individuals to address these complex health challenges.

- Successfully raised over HK\$10 million in angel round funding for R&D and market expansion into South Korea.
- Products are now available at leading retail channels including HK Mannings stores, HKTVMall, and MaxChoice.
- Partnering with DKSH, a premier market expansion services provider to strengthen our marketing and distribution strategies across Hong Kong, Macau and the Asia-Pacific region.



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Bio-Medical and Healthcare (BMH)

OOley Care

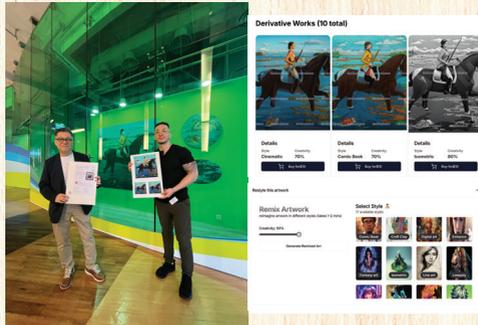


COMPANY INTRODUCTION

OOley Care is a healthcare company specializing in eye healthcare and disease prevention. We offer innovative products to promote and monitor eye wellbeing. This includes a specialized goggle designed to prevent glaucoma and an AI-powered tool for comprehensive at-home health assessments. With a mission to revolutionize eye health management, we aim to make a ripple in the healthcare pond.

- Glaucoma prevention without drug or surgery by lowering eye pressure
- Comprehensive eyecare for daily comfort by relieving eye strain
- Accessible and affordable eye screening at home

Art Growth Limited / Articulator.ai



COMPANY INTRODUCTION

Our platform is catered to mid-tier, emerging traditional artists. We enable their supporters to purchase affordable digital derivatives, while still owning a unique, one-of-one digital derivative they can call their own. We also protect our artists and buyers with a patented 2D watermark barcode technology - providing access to all the ownership data, which is saved on the blockchain.

- Non-prompt based AI tool that only requires users to click and drag to create digital derivatives of their work.
- HKUST's patented invention: a visual 2-D barcode watermark - preserving the integrity of provenance, as well as the owner's information.
- Vertically integrated from a streamlined uploading process for artists to fulfilment to the buyer from our print and delivery partners.



Auvi Entertainment Inc Limited



COMPANY INTRODUCTION

Auvi Entertainment Inc Limited is a Hong Kong-based company specializing in high-quality audio solutions and wireless streaming technology. Founded by technologists and musicians, Auvi combines innovative algorithms and superior hardware to deliver exceptional sound experiences, making music accessible and enjoyable for everyone. Their commitment to quality and artistry drives their groundbreaking audio products.

- **Dynamic Adaptive Audio:** Minimizes distortion during music transmission for superior sound quality in all environments.
- **Proprietary Algorithms:** Enhances audio playback, ensuring high-resolution sound across various devices and platforms.
- **Secure Streaming:** Encrypts signal packets to protect content and ensure reliable wireless music transmission.



Legit App Authentication



COMPANY INTRODUCTION

Legit App is the world's leading authentication solution for luxury handbags, sneakers, watches and designer products. Trusted by millions of users, Legit App is powered by a team of expert authenticators and our cutting-edge AI technology, providing accurate and reliable authentication services.

- **Online App Authentication**
Legit App offers a reliable solution for authenticating your luxury handbags, sneakers, watches, and designer products. Our user-friendly app streamlines the process, providing quick and accurate results.
- **API Authentication Solution**
Integrate Legit App's trusted authentication services directly into your platform with our Enterprise API Solution. Designed for marketplaces, resellers, and luxury brands.
- **AuthClass Authentication Courses**
AuthClass is an online, professional training platform designed to teach individuals the skills needed to authenticate luxury goods.



NCCO International Limited



COMPANY INTRODUCTION

RHT Group specializes in innovative air purification solutions powered by NCCO technology, designed to improve indoor air quality by efficiently removing pollutants, odors, and harmful substances. Our mission is to create healthier and safer living environments for households and businesses, promoting sustainability and well-being through cutting-edge technology

- **Advanced NCCO Technology:** Effectively decomposes pollutants, odors, and harmful substances into harmless compounds for cleaner air.
- **Long-Lasting Performance:** Durable and reusable purification system with low maintenance and sustainable operation.
- **Versatile Applications:** Suitable for homes, offices, healthcare, and public spaces to ensure healthier indoor environments.



PETSONA™

Petsona Limited

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COMPANY INTRODUCTION

Petsona believes that no pet is the same. With a dedicated team of PhD nutritionists and veterinarians, Petsona utilises advanced personalised technology to craft tailored nutritional meals using premium human-grade ingredients, meeting each pet's unique health needs. Its custom recipes specifically cater to different dogs' dietary requirements, ensuring every meal supports their well-being.

- Personalized Nutrition
- Continuous Health Tracking
- Dehydrated Pet Food

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Electronics, AI and Smart Systems (EAS)



Universpirit Innovation Limited



COMPANY INTRODUCTION

Universpirit Innovation develops modular fixed-wing UAV systems to advance low-altitude economy applications. By lowering aviation technology barriers through educational tools and industrial solutions – including mountain/island emergency rescue in Hong Kong – we aim to bridge urban-rural tech divides. Awarded 10+ national innovation prizes, with media features on CCTV News and 27+ outlets.

- Full-stack UAV design: Aircraft engineering and embedded systems enabling versatile missions.
- Robotic control expertise: Proprietary algorithms for stable flight and intelligent navigation.
- Low-altitude economic solutions: Policy-compliant modules for emergency logistics and remote area rescue.



XOXO Beverages



COMPANY INTRODUCTION

XOXO Beverages, Asia's first automated cocktail machine provider, revolutionizes events with precision-crafted, high-quality drinks. XOXO innovative technology ensures consistent, premium cocktails, enhancing guest experiences at events across Asia. With a focus on efficiency and excellence, XOXO Beverages transforms gatherings into memorable occasions through seamless, sophisticated beverage solutions tailored for modern events.

- Analytics Dashboard for Customer Taste: Tracks preferences, tailoring drinks to individual tastes using real-time data insights.
- Recipe Engineer for Tailored Drinks: Designs custom cocktail recipes in minutes, adapting to specific flavor profiles.
- Bartender-Like Mixing Precision: Automated system mimics expert bartending skills, ensuring consistent, high-quality cocktails.

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Material, Energy and Sustainability (MES)



ALGREEN



COMPANY INTRODUCTION

🌿 ALGreen: Breathe Easy, Live Green 🌿

Do you feel drained and sleepy in office?

Stuffy air, midday drowsiness, and that "heavy" feeling in cramped rooms shouldn't be part of your daily life.

Meet Vayu: The Liquid Plant

A sleek, self-sustaining system that turns stale air into vibrant oxygen—effortlessly

WHY IT'S DIFFERENT — ✨

- **✓ Cleans Like 40 Plants:** All the purification of a lush garden—minus the dirt, bugs or daily care.
- **✓ Plug & Play Simplicity:** Set up in minutes. Move it anywhere—desk, kitchen, or nursery.
- **✓ Ocean-Inspired Tech:** Microalgae quietly eat CO₂ and pollutants, releasing fresh oxygen.



EcoTech(HK) EnviroProtect Technology Limited



COMPANY INTRODUCTION

Petsona believes that no pet is the same. With a dedicated team of PhD nutritionists and veterinarians, Petsona utilises advanced personalised technology to craft tailored nutritional meals using premium human-grade ingredients, meeting each pet's unique health needs. Its custom recipes specifically cater to different dogs' dietary requirements, ensuring every meal supports their well-being.

- Personalized Nutrition
- Continuous Health Tracking
- Dehydrated Pet Food

ESGuard

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Material, Energy and Sustainability (MES)

ESGuardian



COMPANY INTRODUCTION

We are eager to spread the awareness, sensitivity and operational capacity concerning the low carbon city to society. By incorporating silica capsule technology into our daily products, we aim to reduce excessive packaging in the market, the reliance on plastic bottle containers and provide an alternative product that is compact, environmental friendly, sustainable and long lasting with significant reduction in waste generation. We have developed and launched Soapie (gel Soap) as an alternative soap product and are developing more household / personal / environmental hygiene products and creating a bundle of products to expand our product coverage in the market.

- Gold Award, 49th Geneva Exhibition of Inventions
- U Best Social Impact Pioneer, Environmental Sustainability Guardian Limited, Y-LOT Hong Kong SciTech Pioneers Award, Hong Kong
- U Bright Future SME's Youth Creative Entrepreneurship Grand Award, Environmental Sustainability Guardian Limited, The Hong Kong General Chamber of Small and Medium Business, Hong Kong

Food With Benefits Limited



COMPANY INTRODUCTION

Nurtured at HKUST and HKSTP, Food With Benefits crafts nutritious smoothie powders from upcycled fruits – freeze-dried to lock in goodness. A delicious way to fuel your day while reducing waste. Our vision is simple: sharing joy with you and the planet we call home.

- Sustainable - Each smoothie sachet prevents up to 400g of food waste.
- Healthy - Each smoothie preserves the nutrition and taste of the original taste, delivering concentrated nutrition to the consumers.
- Accessible - Our products are highly accessible, highlighting our dedication to beneficially contribute to our planet and health.

GERMAGIC™ PET

THREE LAYERS OF TECH TO PROTECT YOUR PET

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Material, Energy and Sustainability (MES)

Germagic Pet



COMPANY INTRODUCTION

GERMAGIC™ PET is a leading health care brand dedicated to pet health and well-being.

The brand offers products that incorporate the groundbreaking GERMAGIC™ technology that uniquely offers a long-lasting intelligent antiviral coating which effectively eliminates bacteria and viruses including coronavirus.

By harnessing the power of GERMAGIC™ technology, GERMAGIC™ PET aims to provide pet owners with innovative solutions to enhance the health and well-being of their cherished companions.

Germagic Pet offers:

- Long lasting antiviral efficacy to Pet
- Protection to pets as its products are approved by SGS and verified by vets from QPP
- Safety to pets even licking as the ingredients are natural



Lify Wellness



COMPANY INTRODUCTION

LIFY Wellness' mission is to create accessible, healthy and delicious wellness beverage solutions inspired from east-meets-west herbal wisdom for busy urban dwellers. Our ecosystem includes our patented award-winning smart herbal brewer, proprietary herbal discs made of 100% natural ingredients filled with East-meets-West wellness formulations, RTD and an AI health analysis that provides personalised drink recommendations based on your health status.

- Patented Infusion Technology: Brews precisely under 40 seconds, controlling temperature, time, and pressure.
- Proprietary Herbal Discs: Eco-friendly, ensuring optimal extraction of natural ingredients.
- Science-Backed Formulas: TCM practitioners and scientists blend Eastern/Western herbs for optimal function and taste.



Meat the Next - TIGA MILK 太加奶



COMPANY INTRODUCTION

Meat the Next is a Hong Kong-based venture fighting climate change with TIGA MILK—the world's first tiger nut oat milk. Made with sustainable superfood tiger nuts, specialized agricultural tech and patented enzymatic tech, TIGA MILK is rich in antioxidants, omega-3, and omega-6, supporting heart and skin health. It's smooth, sugar-free, and nutrient-packed, promoting well-being and sustainability.

- Tiger nuts thrive in deserts, reduce carbon and water footprints, combat desertification, and boost farmers' income through sustainable cultivation.
- TIGA MILK is now available in 1000+ retail, catering, and coffee outlets, including Big C, Pret A Manger, The Matcha Tokyo, and JD etc.
- Our geneva award-winning enzymatic tech enhances yield, creaminess, and nutrition—no added sugar, perfect for coffee and wellness.

MUSHROOM

Innovation Tech Limited

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Mushroom Innovation Tech Limited

**失眠、手震、心跳加速
長期依賴咖啡？
是時候將你的咖啡昇級**

MADE FROM MUSHROOM 的磨菇咖啡
由靈芝、冬蟲夏草、猴頭菇、B-葡聚糖及咖啡透過獨特技術製作而成
我也透過兩用磨菇粉進去減低咖啡副作用並增加健康功能

有助腸道健康
 更有效提神
 增強記憶力和認知能力
 降低血糖水平
 抗糖抗炎

**MADE FROM MUSHROOM
THE POWER-UP BLEND**

reduce blood glucose levels
enhance memory and cognitive function
anti-sugar and anti-inflammatory
transform your coffee experience

COMPANY INTRODUCTION

Mushroom Innovation Tech Limited develops science-backed functional beverages under the brand "Made From Mushroom," combining premium ingredients with medicinal mushroom extracts. Our products, including The Powerup Blend Mushroom Coffee, are designed to enhance health, focus, and vitality. Available in retail, online, and as customizable corporate gifts, we aim to make wellness simple and accessible.

- Ultrasonic extraction ensures high bioactive compound yield from medicinal mushrooms for maximum effectiveness.
- Proprietary mushroom blend formulated for targeted health benefits like immunity and cognitive support.
- Functional beverage applications with smooth taste and no earthy aftertaste, ideal for daily wellness routines.

Material, Energy and Sustainability (MES)



PetalGard



COMPANY INTRODUCTION

PetalGard® (Plasticvore Chain) – Winner of HKUST-SINO One Million Dollar Entrepreneurship Competition 2024. A Hong Kong-based ESG AI-driven startup, is transforming pest control with the world's first pest repellent made from recycled vehicle rubber. Our innovative solution offers a safe, effective, refillable, and environmentally sustainable alternative to traditional chemical methods. PetalGard AI delivers scalable, data-driven pest management solutions without guesswork

- Eco-Friendly Pest Repellent: Recycled rubber and essential oils create a safe, weatherproof, refillable pest deterrent for homes and businesses.
- AI-Powered Pest Monitoring: Real-time detection, activity heatmaps, and deployment recommendations streamline urban pest management decisions.
- Sustainability Focus: Reduces environmental impact while ensuring safety for children, pets, and wildlife.

ThermoSpectra Limited



COMPANY INTRODUCTION

Our project intends to address the thermal comfort of transportation (e.g, EV cars), reducing A/C energy usage. It's composed of two parts. One is a special transparent film that blocks heat while still letting radio waves pass through, which helps with communication and signals, colorful car "clothing" film could reflect sunlight, keeping the interior cooler. This combination enhances the car's ability to stay cool naturally, reducing the need for air conditioning and saving energy. Similarly, both products can be used in architectural scenarios.

- **Low-Emissivity Window Films:** Minimize solar heat gain while maintaining RF transparency, reducing air conditioning loads.
- **Colorful Car Clothing Film:** Reflects solar radiation to enhance surface cooling and improve passenger comfort.
- **Spectral Control Technology:** Available in transparent and opaque formats for versatile thermal regulation in the automotive industry.

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Material, Energy and Sustainability (MES)



VisionDrop AI Limited



COMPANY INTRODUCTION

VisionDrop AI is developing affordable, personal laboratory kits for consumer use. These kits will provide results with comparable accuracy to a professional lab service. With our first product, QiFlow, we are focusing on drinking water testing that is 10X more accurate than DIY water test strip kits, 10X cheaper than send-away laboratory kits and provides results in under 10 minutes.

- Our product utilizes three core technologies:
 - Patented microfluidics:
 - Miniaturized chemistry
 - AI-powered smartphone app.
- Collectively, these technologies highly automate and simplify the testing process for the user, minimizing variability due to user bias and skill.

ONLY ONE IN THREE HONG KONG TEENAGERS TRACKS THEIR SPENDING

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International Partners

That same lack of awareness feeds a brutal fact: *90% of Hong Kong start-ups eventually fail.*



**LET THEM PRACTISE NOW
BEFORE THE STAKES GET HIGH.**

Discover how we empower the next generation of Visionaries: visit us at Booth [NUMBER] or scan the QR code.

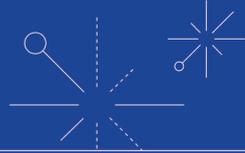


VISIONARIES

Master Business & Financial Literacy Through Simulation-Based Learning

www.visionaries.me

IMPACT FOUNDATION



Mission

Empowering impact-driven startups through incubation, investment, and global collaboration.

Vision

Building Asia's leading cross-border ecosystem for impact-driven innovation.

Achievements

- Discovered 2,020 impact-driven enterprises
- Invested in 22 startups and provided go-to-market support to 20 startups
- Estimated social value creation: approximately \$1.06B





ABOUT US



WEBSITE



LINKEDIN



PORTFOLIO

Let's Add an Impact to the World! UP!

About

Since 2018, the program has been driving global change together with impact-driven startups!

Portfolio

AUA Asian Universities Alliance

Established in 2017 by Tsinghua University, the Asian Universities Alliance (AUA) includes HKUST as its sole member from Hong Kong. Composed of 16 research-intensive universities across Asia, AUA is dedicated to fostering multilateral collaboration with its primary goals of addressing global challenges and promoting scientific and technological advancement in the region.



In November 2024, HKUST hosted the Inaugural Meeting for the Innovation and Entrepreneurship Network and was elected as the Inaugural Convenor for 2024–2025. The Network underscores members' collective commitment to cultivating entrepreneurial mindsets among students, supporting research innovation, and facilitating knowledge transfer, thereby driving significant educational advancements.



Representatives of AUA member institutions gathered this April at the AUA Board Meeting 2025



東亞研究型大學協會
東アジア研究型大学協会
동아시아연구중심대학협의회
The Association of East Asian Research Universities

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As the Founding Chair in 1996 and the current Chair (2024-2025), HKUST has played a pivotal role in the Association of East Asian Research Universities (AEARU), a consortium that fosters collaboration and exchange among the leading research universities in East Asia. AEARU comprises 16 top universities across five East Asian economies.



Based on the common academic and cultural backgrounds of its member universities, AEARU is set to enhance the development of higher education and research, heralding a new era of cultural, economic, and social progress in the East Asia.



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UPCOMING EVENTS



GENEVA INVENTION PROJECTS







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Office of Knowledge Transfer

The Hong Kong University of Science and Technology
Clear Water Bay, Kowloon, Hong Kong

For Business Collaborations:
oktbd@ust.hk

For Marketing Initiatives:
oktevent@ust.hk

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