

Organised by:

Techno-Entrepreneurship Core  
THE UNIVERSITY OF HONG KONG

Tech-up GBA Innovators Programme is Funded by:

民政及青年事務局  
Home and Youth Affairs Bureau

YDC 青年發展委員會  
Youth Development Commission

WV Wo Venture  
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政府資助計劃  
Government funded programme

大灣區重振青年  
創新創業基地導圖



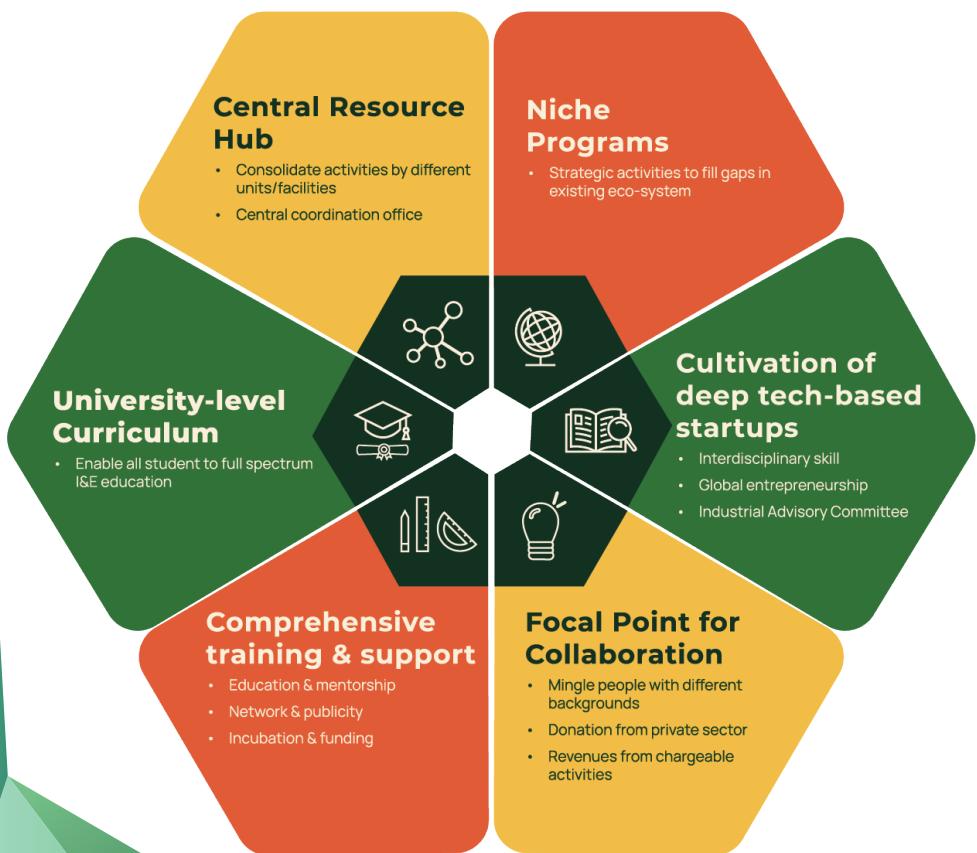
# Award Results Announcement and HKU Startups DEMO DAY

# About TEC

## HKU's Entrepreneurship Resource Hub

Established in 2023, the HKU Techno-Entrepreneurship Core (TEC) is a platform and hub for transforming HKU's entrepreneurial landscape and creating a robust and dynamic ecosystem within and beyond the campus.

It has six functions: central resource hub, university-level curriculum, comprehensive training & support, development of niche programs, cultivation of deep tech-based startups and focal point for collaborations.



# Tech-Up GBA Innovators Programme

The Tech-Up GBA Innovators Programme (Tech-Up) aims to empower young tech entrepreneurs to transform their concepts into viable business ventures in Hong Kong and/or the Greater Bay Area by providing seed funding, mentorship, and access to key resources.

Tech-up is organised by the Techno-Entrepreneurship Core (TEC) of The University of Hong Kong (HKU) and supported by Home and Youth Affairs Bureau (HYAB) through the Funding Scheme for Youth Entrepreneurship in the Guangdong-Hong Kong-Macao Greater Bay Area (Entrepreneurship Scheme), under the Youth Development Fund (YDF) administered by the Youth Development Commission (YDC).

- Seed funding up to HK\$600,000
- Mentorship and training workshops
- Access iDendron workspaces at HKU and Shenzhen to support your start-up
- Learning and exchange opportunities in the Greater Bay Area or overseas
- Opportunity participate in competitions/forums/ exhibitions/online showcase events



<https://tec.hku.hk/tech-up-gba-innovators-programme/>



techup@hku.hk / hkutec@hku.hk



3910 2495

# Tech-up Awardees

- AXversity Limited
- ChronoSense Limited
- DiamNEX Limited
- Digitoe AI Limited
- DipuChip EC
- EC Innovation Limited
- Haydea Limited
- InnoScreen Research Limited
- LinguaLeap Tech Limited
- Mednnect Limited
- Milla's Fizz
- ReGen Technology Holdings Limited
- Shanya International Limited
- SNAPP Ocean Data Solutions





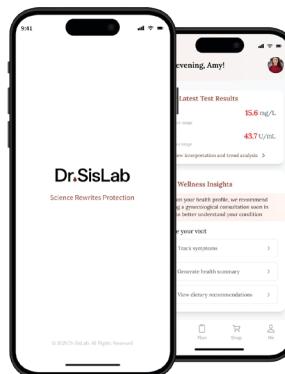
# Shanya International Limited

## Revolutionizing Women's Health: Smart Menstrual Pad Powered by AI Health Platform

Dr.SisLab is a biotech startup leveraging menstrual blood—a unique biological sample offering deep insights into women's health—and advanced AI analytics to build a digital platform for accessible, data-driven, and personalized wellness management.

Our solution transforms menstruation into powerful health insights through a smart menstrual pad that enables non-invasive testing, integrated with an AI-driven health analytics platform.

We're building a proprietary menstrual health database that powers innovation in femtech and AI-driven precision health. We envision a future where menstruation becomes a new layer of health intelligence, empowering women worldwide to understand her body with clarity, confidence, and control.



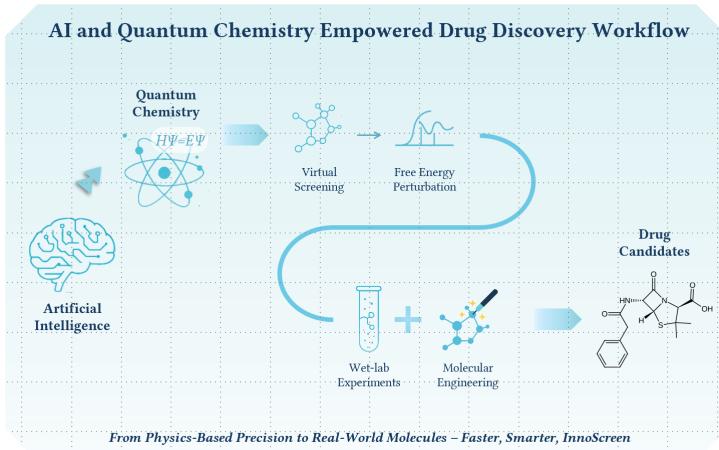
Digital Health Platform Demo

# InnoScreen Research Limited

## A small-molecule drug discovery platform based on Quantum Chemistry and AI

Drug design is a time-consuming and costly process, typically taking over ten years to develop and bring a drug to market, with an average total development cost of approximately \$1.3 billion. To address this challenge, InnoScreen offers a range of advanced computational tools that integrate quantum chemistry and artificial intelligence (AI). These tools are designed to accelerate the discovery of small-molecule drugs and preclinical trials, significantly reducing development time and costs.

InnoScreen combines computational simulations with wet-lab experiments to focus on promising disease targets. By developing proprietary preclinical molecular patents, the company enables faster innovation. These patents are commercialized through licensing, providing a stable source of revenue while advancing novel drug development.

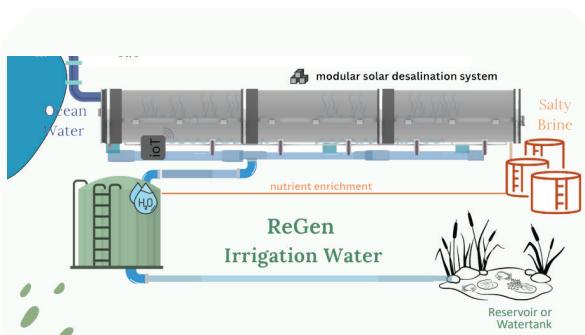




# ReGen Technology Holdings Limited

## Solar-Powered Desalination & Regenerative Water System

ReGen Technology develops a patented solar-powered desalination system that produces fresh water using only sunlight. The modular device uses a biomimetic thermal process to evaporate and condense seawater at low cost, supporting agriculture, remote communities, and regenerative land projects. Designed for off-grid operation, it enables sustainable freshwater access in coastal and arid regions.



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# Mednnect Limited

## Mednnect - Multimodal AI Veterinary Pain Management Solution

MEDNNECT is a one-stop veterinary healthcare startup born from integrating research and practice, focused on animal technology and veterinary care, it targets musculoskeletal disorders like hip dysplasia and osteoarthritis in companion animals and livestock.

Core offerings include a novel cinnamaldehyde nanomedicine (gold medal-winning) for joint therapy, with AI markerless gait analysis.

The solution follows a “Detect→Track→Treatments→Recovery” holistic model, combining vet science and med-tech.

It aims to tap into the \$8B China veterinary market and \$12B global pet pain management market, scaling from Asian clinics to global reach.

HKUMED DEVELOPS A NOVEL CINNAMALDEHYDE NANOMEDICINE FOR RHEUMATOID ARTHRITIS TREATMENT

HOLISTIC JOINT AND PAIN MANAGEMENT FOR VETERINARY AND PET REHABILITATIONS

HKU WITH FUDAN UNIVERSITY - ANIMAL TESTED

THIS INNOVATIVE INVENTION AWARDED THE 'GOLD MEDAL'

DETCT->TRACK->TREATMENTS->RECOVERY

Advanced Healthcare Materials

Research Article | Open Access |

Reactive Cinnamaldehyde-Responsive Polymeric Prodrug Nanomedicines for Selective and Effective Treatment of Inflammatory Diseases

Yi-Chang Ju, Jia-Tian Wang, Cong-Min Peng, Hui-Shan Chan, Ling-Ling Law, Zheng-Jie Guo, Ming-Hui Wang

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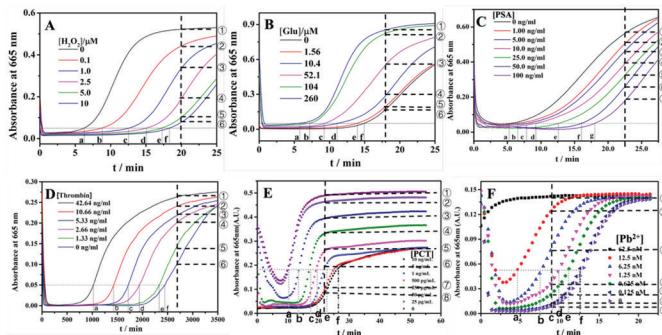


# ChronoSense Limited

## Home Health Guard: Multi-Parameter Quantitative Detection System

ChronoSense's Home Health Guard system seamlessly integrates modular chips, a compact testing device, and a mobile app for comprehensive home health monitoring. Users simply add a sample—like saliva, urine, or tap water—and the system employs clock-based reactions to detect analytes. Dual-signal verification ensures precise results, delivering quantitative data and intuitive indicators directly on the app.

This solution resolves key challenges, such as fragmented monitoring tools and exorbitant costs. By unifying detection principles across multiple detections, it achieves affordability, scalability, and superior performance compared to competitors. Currently, ChronoSense is advancing R&D in hardware-software integration and chip design to accelerate real-world adoption in home health care.



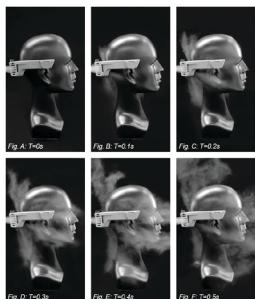
The curves depicting the absorbance changes over time at 665 nm for various concentrations of (A) hydrogen peroxide, (B) glucose, (C) Prostate-Specific Antigen (PSA), (D) thrombin, (E) Procalcitonin (PCT), and (F) Lead ( $\text{Pb}^{2+}$ ) in the clock reaction system.



# Haydea Limited

## Life Care Widgets

We craft Life Care Widgets for all to enjoy life with greater agility and freedom. With 229 million outdoor workers worldwide facing deadly heat risks, our Air Ring 49 (AR49) is the world's first contactless biomedical cooling accessory for head-gears —light (155 g), headache-free, up to 5.1°C cooling and 15h use. Winner of the James Dyson Award and 370+ units ordered by contractors, AR49 is our first step to reduce heatstrokes, recover expensive hours of productivity and enable agile lifestyles worldwide.



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**AGGRAY**



**ROBOTIC**

## LinguaLeap Tech Limited

### AI Rehab Robot

Every year, millions of elderly individuals face swallowing difficulties (dysphagia), leading to malnutrition, aspiration pneumonia, and diminished quality of life. AGGray addresses this crisis with its comprehensive AI Swallowing Therapy & Nutrition System, designed to restore safety, dignity and independence for seniors—whether at home, in long-term care or in hospital settings.

The solution integrates three core components: a smart therapy robot that uses speech, facial and motion analysis to detect swallowing risks and guide personalized exercises; clinically designed meals and thickeners tailored for safe-to-swallow textures and balanced nutrition; and a live health-data platform that tracks recovery progress and delivers transparent insights to families, caregivers and institutions. With a Robot-as-a-Service + subscription nutrition model, AGGray makes advanced rehabilitation affordable and scalable.

For home users, the system enables daily therapy, safe meals and remote progress dashboards; for care homes and hospitals, it supports multi-patient monitoring and institutional meal programs; for NGOs and governments, it offers population-level aging solutions. Recognised by social-innovation awards and active across Hong Kong, Mainland China and Singapore, AGGray's platform transforms every meal and rehabilitation session into an integral part of healing—empowering older adults to eat safely, live confidently and age with dignity.



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# Milla's Fizz

## Millamillia Limited

### Milla's Fizz – The Healthier Probiotic Soda

Milla's Fizz is a Hong Kong probiotic soda brand. This 100% naturally brewed probiotic soda captures the full sparkle of a classic soft drink—without the sugar, caffeine, or artificial ingredients. Packed with probiotics, prebiotics, vitamins, and minerals, every bottle is crafted through a traditional fermentation using a live Ginger Beer Plant, bringing natural carbonation and gut-loving benefits that boost digestion, immunity, and overall vitality.

Designed for today's wellness-minded professionals in Hong Kong, Milla's Fizz comes in locally inspired flavours—Ginger, Salted Lime, and Strawberry. One bottle a day helps busy Hong Kong professionals combat stress-induced indigestion and constipation naturally, while providing non-drinkers with an exciting, healthier bubbly option at social and corporate events. Milla's Fizz is available at select wellness outlets, bakeries, cafés, gyms, and online retailers, and also partners in events (e.g Wine & Dine 2025), catering, and brand collaborations.



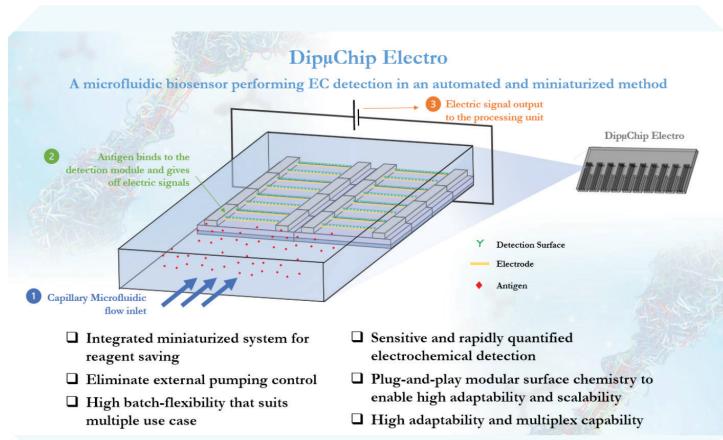
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# Dip $\mu$ Chip EC

## Dip $\mu$ Chip EC: Accessible Microfluidics for Animal Diagnostics

Dip $\mu$ Chip EC is a state-of-the-art, capillary-driven microfluidic platform designed to automate animal diagnostics through electrochemical (EC) immunoassays. The system uses a patented microfluidic architecture to streamline traditional ELISA workflows by replacing manual pipetting with automated, precise fluid handling on a disposable chip. The electrochemical detection mechanism ensures rapid, quantitative results with high sensitivity, even in complex biological samples. By integrating EC detection, Dip $\mu$ Chip EC reduces reagent consumption, minimizes human error, and enables scalable, high-throughput testing for a variety of animal health applications. The technology is specifically suited for large-scale disease surveillance, vaccine monitoring, and pathogen screening, offering substantial cost savings and increased reliability compared to traditional methods. Dip $\mu$ Chip EC provides a powerful, cost-effective solution for government disease control centers, veterinary clinics, and large livestock enterprises, supporting better-informed decision-making and disease management.





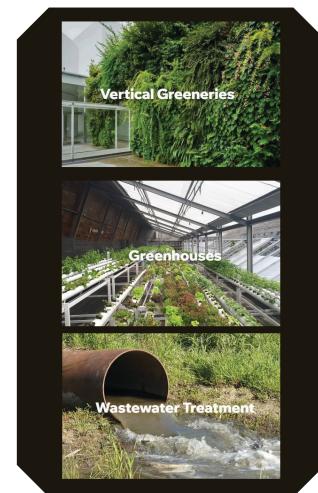
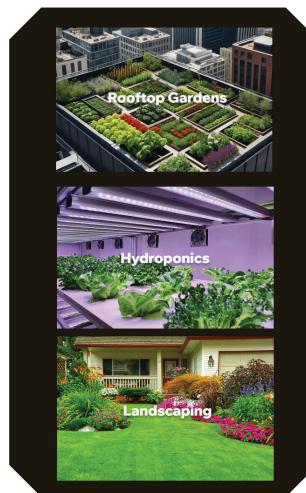
# EC Innovation Limited

## EC Innovation

EC Innovation constructs a circular planting ecosystem through its breakthrough electrocatalytic technology.

Our Solution:

The patented electrocatalytic AIOT wastewater treatment system, treating wastewater into toxic-free and nutrient-balanced irrigating water, constructing an ultra-effective and resilient irrigation system. The system could improve lifetime of urban plants by 30-50%, boost crop yield by 30%, and save 30% water used for irrigation, bringing significant economic and environmental benefits to urban planting and smart agriculture industries.



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# AXversity Limited

## Revealing Nature's Secrets, One DNA Strand At A Time

AXversity offers an innovative approach to biodiversity monitoring and assessment using advanced environmental DNA (eDNA) analysis. This cutting-edge technique allows for the identification and monitoring of biodiversity in a cost-effective manner, saving costs typically associated with labor-intensive field surveys that are conducted by highly skilled professional ecologists. While providing the advantages of higher discovery rate, higher accuracy on species identification and possible detection on target specific requirements.

The AXversity solution addresses the need for efficient and comprehensive biodiversity assessment to support informed decisions for environmental preservation and sustainability. By leveraging the power of eDNA analysis, the service provides precise and reliable data and can produce tailor-made reports meeting a variety of reporting frameworks to researchers, consultants, land managers, developers, conservationists, and policymakers.

Through utilizing the advanced technology of eDNA detection and analysis and streamlined process for assessment, we are able to discover a more thorough and comprehensive ecosystems in the wild through simple field sampling and lab process that requires less effort comparing to traditional surveys methods where team of ecologists were required for long duration and high intensive surveys out in the field and discovering limited amount of animals that could be seen or observed by the surveyors.



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# SNAPP Ocean Data Solutions

## World's Fastest Robotic Fish for Safe and Remote Collection of Underwater Data

Climate change and biodiversity loss risk coastal communities and ecosystems, but sparse and patchy data leave vast coastlines unmonitored. We diagnose threats (dying reefs, seagrass) and prescribe mitigation steps through our AI-powered robotic fish system.

SNAPP addresses the data gap by utilizing robotics and AI to continuously monitors your infrastructure and habitats—24/7—offering you critical real-time insights and reports for environmental impact assessments and predictive maintenance. This acts as early warning systems to extend infrastructure life while protecting marine ecosystems.



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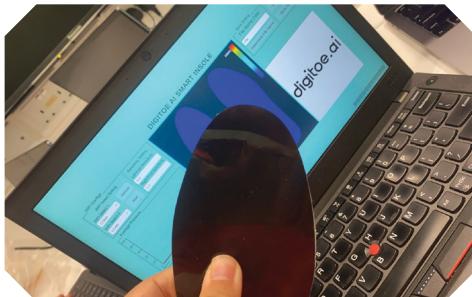




## Digitoe AI Limited

### Digitoe Smart Insole

Digitoe is an innovative smart insole designed for comprehensive gait and foot health management. Embedded with high-precision pressure sensors and advanced electronics, Digitoe captures real-time plantar pressure distribution and detailed biomechanical metrics during walking and standing. The collected data is processed through proprietary algorithms to generate gait analyses, enabling early detection of abnormalities, monitoring rehabilitation progress, and supporting custom orthotic design. Digitoe integrates seamlessly with cloud analytics platforms, allowing users to access personalized reports and insights for preventive care or ongoing treatment. Digitoe prioritizes accuracy, usability, and scalability for clinical, sports, elderly care, and everyday consumer markets—empowering users with actionable information to improve mobility, comfort, and foot health across all life stages.



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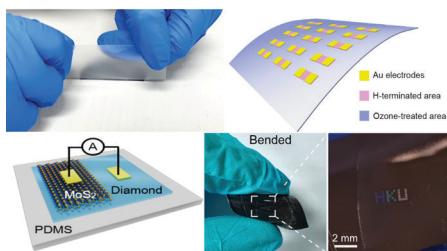
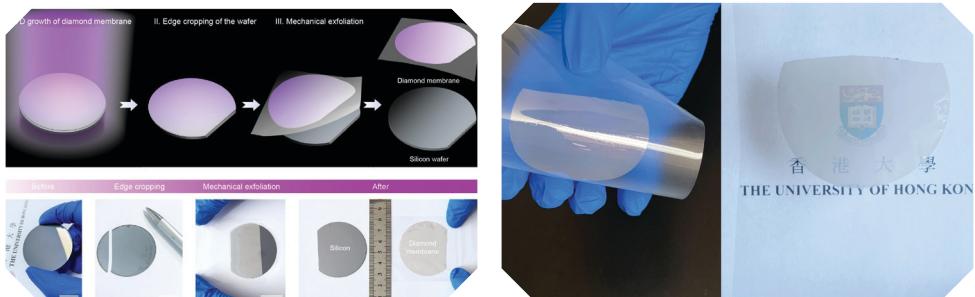


## DiamNEX

# DiamNEX Ltd

## Flexible Diamond Membranes

DiamNEX is a high-tech firm focusing on diamond thin-film R&D, production, and commercialization, aiming to lead technology and set standards in the diamond semiconductor field. With its unique proprietary technology, the company has broken through bottlenecks in producing large-sized, high-quality, transferable diamond films, providing innovative solutions for mass commercialization. Committed to driving industry growth via technological innovation, it seeks to achieve efficient production and broad applications, ultimately becoming an industry benchmark.



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# DEMO DAY

## About Demo Day

HKU Demo Day, a dynamic showcase organised by HKU Techno-Entrepreneurship Core (TEC). The pitching teams will mainly consist of rapidly developing HKU startups that are currently in fundraising activities in different sectors like ESG & Advanced Tech, Healthcare, plus ICT & AI. This event brings together innovative startups to pitch their business plans and latest progress to a distinguished audience of super angel network's community, venture capital investors and industry experts.

# DEMO DAY

# SHOWCASES

- Cinnotis Limited
- DeepSonix Limited
- Fans Defin Co., Limited
- Inhalixir Limited
- Metasurgical Technology Limited
- NexaSight Limited
- OpluxCare Tech Group Limited
- ReMobility Limited
- Sharpsight Limited
- Tomorrow's Brain Limited

Cinnotis Limited

DeepSonix

 FANSDEFIN

  
Inhalixir  
A FRESH BREATH OF NUTRITION

MetaSur<sup>g</sup>  
元醫

  
景拓科技  
NexaSight

  
opluxCare  
奧普乐康

  
Re  
mobility

  
鋒視  
SHARPSIGHT

  
面具師  
masquer

  
TOMORROW'S BRAIN  
明日腦教育科技有限公司



## Cinnnotis Limited

### **Cinnamaldehyde-based Nanomedicine for Rheumatoid Arthritis Treatment**

Cinnnotis Limited team develops a reactive oxygen species-responsive cinnamaldehyde-penicillamine prodrug.

The prodrug can self-assemble into nanoparticles, which target inflamed joints and release two drug molecules without

byproduct generation. The combination therapy exhibits superior therapeutic efficacy against rheumatoid arthritis compared to conventional drugs. The pro-drug strategy

ensures the stability and safety of drugs. and investors to co-own and trade creative value transparently and legally.

Rheumatoid arthritis



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# DeepSonix

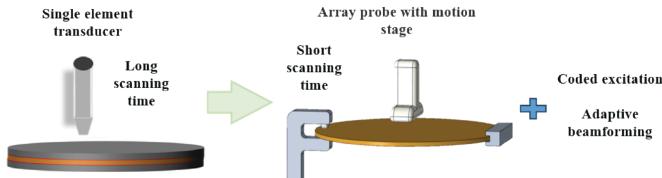
## DeepSonix Limited

### UltraNDE

Ultrafast ultrasound microscopy detecting micron-level defects in 3D chips in seconds. AI-powered for high-volume manufacturing, reducing scrap & waste, accelerating advanced packaging.



Enable high-throughput SAM: faster scans, from hours to minutes/seconds



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## Fans Defin Co., Limited

### FanFi

FanFi is a Hong Kong-based creative asset platform linking Mainland China's creator economy with HK's regulated virtual asset market. It enables musicians, filmmakers, and digital artists to tokenize works through NFTs for ownership verification and STOs for compliant revenue sharing and investment.

Operating under a dual-market model, FanFi builds content and fan engagement networks in Mainland China through partnerships with local governments and art institutes, creating a strong content pipeline. In HK, FanFi leverages licensed virtual asset platforms and SPV structures to conduct compliant securitization, transforming creative IPs into investable assets by connecting China's cultural momentum with HK's financial infrastructure, FanFi empowers creators, fans, and investors to co-own and trade creative value transparently and legally.



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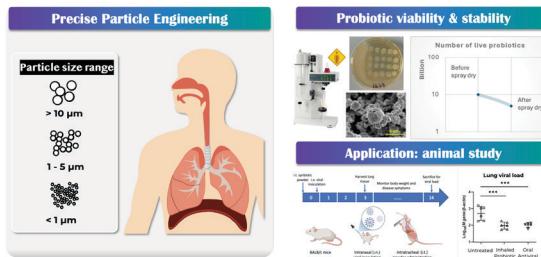




# Inhalixir Limited

## Inhaled Health Supplements for Respiratory Wellness

Inhalixir is transforming health management with inhaled supplements, starting with probiotics. Leveraging advanced particle engineering techniques, we achieve efficient lung deposition while maintaining probiotic viability and stability. Our preclinical studies demonstrate that inhaled probiotics significantly reduce viral load in the lungs, highlighting their potential for preventing respiratory viral infections. With over 30 million flu cases annually in China and increasing demand for effective prevention, our product addresses a critical need in crowded areas like Hong Kong. Targeting the expanding wellness market, Inhalixir meets the demand for efficient health solutions, positioning us for substantial growth and opportunities in respiratory health.



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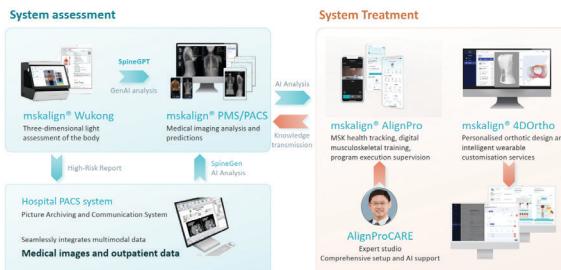


## Metasurgical Technology Limited

### mskalign® iWearable: Systematic management and treatment solution for MSK diseases

This project, developed by Metasurg, delivers an intelligent, non-surgical solution for musculoskeletal (MSK) and spinal conditions like scoliosis. Its core innovation is the mskalign® iwearable system and device, which integrates the 4DOrtho smart wearable for continuous body alignment monitoring with the AlignPro AI software platform for personalized exercise therapy.

The system is powered by a unique, data-driven hybrid AI model, trained on a vast, real-world patient dataset annotated by clinical experts. It provides comprehensive monitoring of key metrics (e.g., Cobb angle, ATR) and dynamic treatment assessment, significantly improving patient compliance and outcomes. The project has achieved regulatory approval (NMPA) and initial commercialization in China.



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# OpluxCare Tech Group Limited

## Non-invasive Physiological Substance Detection Based on Confocal Raman

OpluxCare Tech Group Limited pioneers non-invasive physiological detection using confocal Raman spectroscopy combined with AI algorithms and precision optics. Our portable diagnostic devices achieve medical-grade accuracy without blood sampling, enabling real-time, painless monitoring of biomarkers such as glucose, uric acid, and lipids. Integrating confocal Raman design, deep-cooled detectors, and CNN, OpluxCare delivers superior signal-to-noise ratio and predictive precision, providing a breakthrough alternative to invasive testing. The company targets both B2B and B2C healthcare markets, including hospitals, elderly care facilities, pharmacies, and home users. Business models include equipment sales, leasing, and data-driven subscriptions. Collaborating with NJU, Accelink (SZ.002281), and clinical partners, OpluxCare is advancing toward Class II medical device certification in China, led by Dr. Hongyi Wu and Prof. Xinglong Wu with their expertise across AI analytics and Raman spectroscopy.





# ReMobility Limited

## SmartRehab

With over 2.5 billion people needing rehabilitation, global access is limited. SmartRehab, developed by HKU, tackles this using AI and computer vision. A device's camera enables precise motion tracking without wearables, making telerehabilitation accessible and validated against gold-standard systems.

The platform offers motor exercises, allowing patients to train at home while therapists monitor progress and personalize treatment remotely. Supported by the World Stroke Organization, its feasibility is proven across eight international institutions.

SmartRehab has won a Gold Medal in Geneva and is an ATEC 2025 finalist. It is already used by local hospitals, with plans for China expansion, FDA/NMPA approval, and new features like gamification and biometrics. Our goal is to make quality rehabilitation accessible and scalable worldwide.



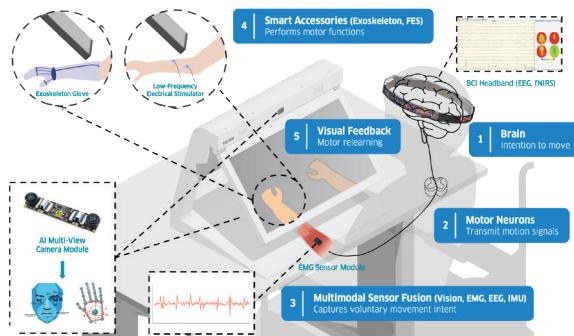
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# Sharpsight Limited

## masquer® - Multimodal Embodied Intelligence Rehabilitation System

An AI-powered embodied intelligence rehabilitation system designed for patients with facial, neck, and limb motor impairments caused by stroke, brain injury, and neurodegenerative diseases. It integrates multimodal sensing and motor-intention decoding with real-time visual and tactile feedback to deliver personalized assessments and active embodied-sensory rehabilitation training.



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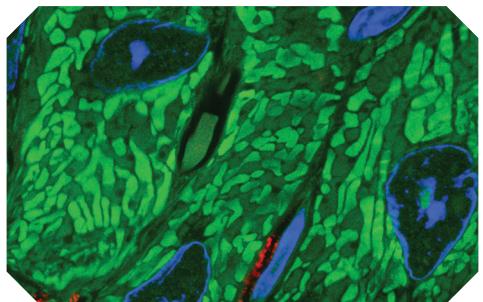
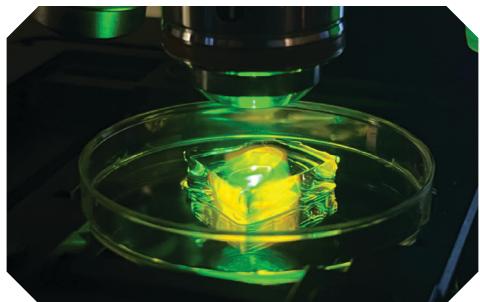
## NexaSight Limited

### Development of Ultra-High Resolution Imaging Platform for Precision Pathology

NexaSight is a biotech startup originating from The University of Hong Kong, dedicated to revolutionizing precision pathology through its next-generation ultra-high resolution imaging platform. The company's core technology addresses critical bottlenecks in traditional pathology, including high costs, complex workflows, imprecise diagnoses, and elevated patient risks.

NexaSight provide comprehensive solutions for both research and clinical pathology markets, offering sample testing services, specialized reagents and consumables, and integrated hardware with AI-powered software. Our platform significantly enhances the sensitivity of disease biomarker detection, facilitating scientific discovery and enabling more accurate and efficient diagnostic outcomes.

Through a phased market expansion strategy, NexaSight aims to establish itself as a global leader in imaging solutions, delivering transformative technology that bridges the gap between research innovation and clinical application in pathology.





TOMORROW'S BRAIN  
明日脑教育科技有限公司

# Tomorrow's Brain Limited

## I-DID AI-Powered Assessment and Intervention System

Tomorrow's Brain is an innovative EdTech company that leverages educational neuroscience, artificial intelligence, and psychological learning theories to advance Precision Education.

Our pioneering product, I-DID (Intelligent Dyslexic Interface Design), is an AI-powered integrated Chinese and English assessment and learning system, tailored specifically for 4- to 12-year-old children. The system is designed and implemented to optimize the traditional diagnostic and intervention workflow, eliminating delayed, inefficient, and unsustainable provision of services, with the following core functions:

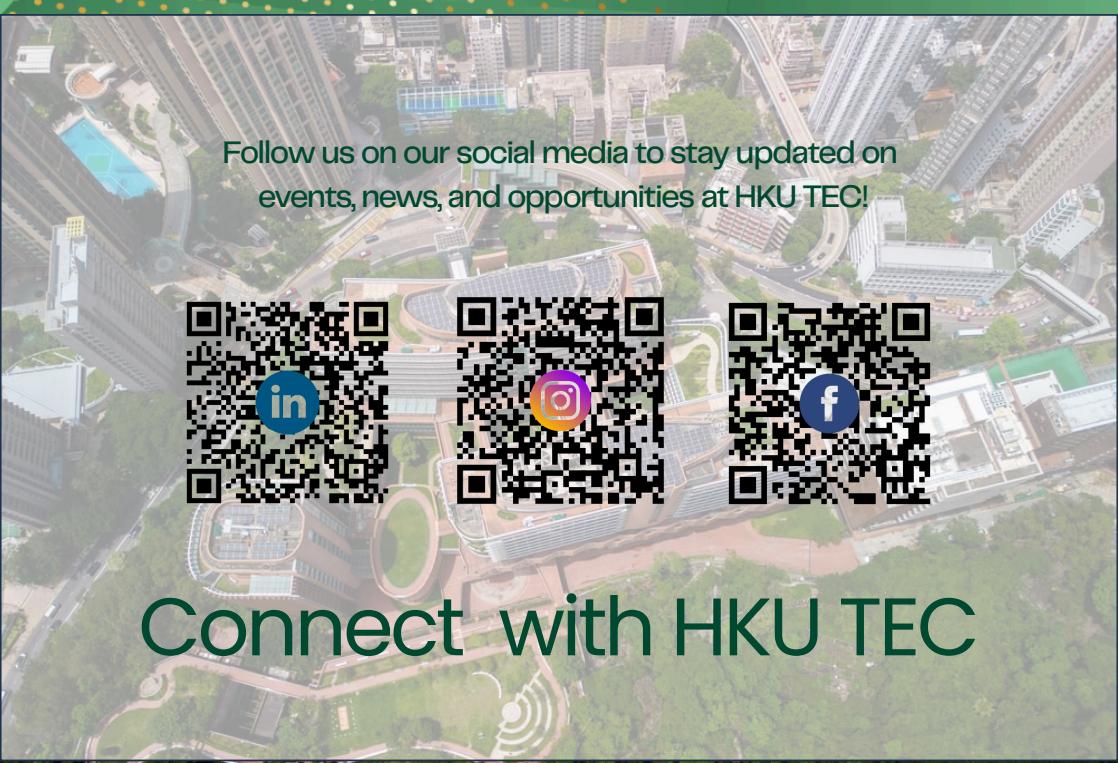
- (1) Delivers precise assessment and sustainable training focusing on Chinese and English foundational literacy skills
- (2) Timely generates multifactorial learning profiles upon completion of assessment
- (3) Recommends adaptive training schemes based on individuals' strength-weakness profiles



# DEMO DAY

## Pitching Teams

- DeepSonic Limited
- DiamNEX Ltd.
- ReGen Technology Holdings Limited
- Cinnotis Limited
- NexaSight Limited
- Sharpsight Limited
- Inhalixir Limited
- Metasurgical Technology Limited
- ReMobility Limited
- OpluxCare Tech Group Limited



Follow us on our social media to stay updated on events, news, and opportunities at HKU TEC!



Connect with HKU TEC

# Contact Us

HKU Techno-Entrepreneurship Core (TEC) was established in 2023 to coordinate entrepreneurship resources and facilitate research-driven startup initiatives. iDendron is part of HKU TEC and serves as an entrepreneur community hub.

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Pokfulam Road, Hong Kong

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HKU iDendron