香港城市大學
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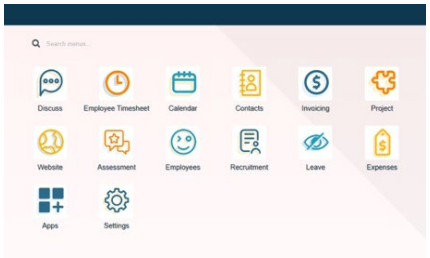
Venture Beyond Boundaries

HK Tech 300 Southeast Asia Start-up Competition – 10 Awarded Start-ups
HK Tech 300 東南亞創新創業千萬大賽——10 間優勝初創

有關比賽詳情 **More about the Competition:** https://www.cityu.edu.hk/hktech300/seasia

From 來自	Start-up 初創	Introduction 簡介
Malaysia **馬來西亞**	**Apping Technology Sdn. Bhd.**  **Representative 初創代表** Mr Wong Wei Ther, CEO	Apping Technology is a thriving company with over 45 employees across Hong Kong, Malaysia and India, disrupting recruitment and revolutionising how companies find and retain top talent with AI. Recognising the critical challenge that the rise of AI is fundamentally changing the way people work and that traditional job boards are failing to keep up with the changes, Apping Technology is developing a revolutionary AI platform to empower companies to: • **Uncover hidden talent:** Scouring the global talent pool to identify ideal candidates with AI, regardless of their location. • **Predict future skill needs:** Helping companies prepare for the ever-evolving job market by identifying the skills required for future success. • **Retain top performers:** Keeping employees engaged to thrive in the rapidly changing work environment. Apping Technology is building not just a platform, but the future of talent acquisition by disrupting the recruitment industry and creating a seamless talent ecosystem for the AI era. Apping Technology 是一家發展蓬勃的公司，在香港、馬來西亞和印度擁有超過 45 名員工。它顛覆了招聘行業，以人工智能徹底改變了企業尋找和挽留頂尖人才的方式。 Apping Technology 意識到人工智能的興起，正從根本上改變人們的工作方式，傳統的招聘平台無法跟上變革的步伐，因此正開發一個革命性的人工智能平台，以幫助企業： • **發掘隱藏的人才**：利用人工智能在全球人才庫尋找理想人選，不論他們身在何處。 • **預測未來技能需求**：識別未來成功所需要的技能，幫助企業為不斷發展的就業市場做好準備。 • **留住頂尖人才**：讓員工在急速變化的工作環境中保持積極態度。 Apping Technology 不僅搭建平台，更著眼於人才招聘的未來。它顛覆了招聘行業，為人工智能時代創造無縫銜接的人才生態系統。 ***CityUHK Patent Used:*** *Method for Use in Optical Imaging, A System for Using in Optical Imaging and An Optical System* ***Inventors:*** *Shen Yajing, Lu Haojian*

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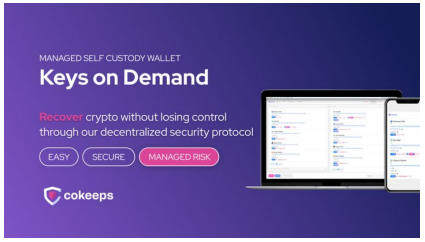
Malaysia **馬來西亞**	**CoKeeps Sdn. Bhd.**  **<u>Representative 初創代表</u>** Ms Suhanna Binti Husein, CEO	CoKeeps is an infrastructure provider offering end-to-end institutional-grade compliant solutions for digital assets. Its mission is to bridge the gap between the crypto world and the regulated market, serving individual and organisation clients involved in digital assets and blockchain technology, such as family offices, banks, corporations and government agencies. Its core proprietary tech, CoKeeps Wallet, ensures secure storage of assets using a decentralised security architecture. It provides single- and multi-signature features for the storage solutions, including cold wallet and hot wallet with API access, tokenisation through smart contract solutions, and custodial services. CoKeeps also offers regulatory compliance features, such as Know-Your-Transactions (KYT) and the Travel Rule. CoKeeps focuses on security, particularly against insider theft, a major concern in the industry. CoKeeps Wallet eliminates the need for users to store private keys, mitigating the risks associated with private key storage. As the first and only Digital Asset Custodian licensed by the Securities Commission of Malaysia, CoKeeps has demonstrated its capabilities in cybersecurity and cryptography for safeguarding digital assets. Its CoKeeps Wallet is already commercialised and being used by initial clients. It received a Cradle grant in 2022 and is registered as Malaysia Digital company. CoKeeps 是一家為數位資產提供端到端、機構級合規解決方案的基礎設施供應商。他們的使命是填補加密貨幣世界與受監管市場之間的差距，為涉及數位資產和區塊鏈技術的個人和組織客戶提供服務，例如家族辦公室、銀行、企業和政府機構等。 他們的核心專有技術 CoKeeps Wallet 採用去中心化的安全架構，確保資產儲存安全。它的儲存方案包括帶有 API 存取權限的冷錢包和熱錢包、基於智能合約的代幣化，以及託管服務等，所有儲存方案均提供單一簽名和多重簽名功能。CoKeeps 還提供監管合規功能，例如「了解您的交易」（KYT）和「旅行規則」等。 CoKeeps 著重安全，尤其是防備業內主要關注的內部盜竊問題。CoKeeps Wallet 無需使用者儲存私密金鑰，從而降低與私密金鑰儲存相關的風險。 作為首家也是唯一一家獲得馬來西亞證券委員會許可的數碼資產託管機構，CoKeeps 展示了在網絡安全和加密技術方面，保護數碼資產的能力。他們的 CoKeeps Wallet 已經商品化，並獲初始客戶使用。他們在 2022 年獲得搖籃基金資助，並正式註冊為馬來西亞數位公司。 ***CityUHK Patent Used:*** *System and Method for Updating, Modifying and Managing Engineering and Construction Contracts in a Blockchain Network* ***Inventors:*** *Or Siu-hong, Kwok Ho-yin, Fung Wing-hong* ***使用的城大專利：****用於在區塊鏈網絡上更新、修改及管理工程及建築合約的系統及方法* ***發明者：****柯兆康、郭浩然、馮穎匡*

From 來自	Start-up 初創	Introduction 簡介
Singapore **新加坡**	**E3A Healthcare Pte Limited** **億杉醫療**  **<u>Representative 初創代表</u>** Mr Harry Chen, CFO 陳弘遠先生 – 首席財務官	E3A Healthcare is at the forefront of innovation in medical devices for newborn and women's healthcare. Established in 2019 on the campus of the National University of Singapore (NUS), its headquarters is in Singapore, with offices in Hong Kong and Shenzhen. Its expertise lies in biosignal processing and biosensors, enabling it to develop first-in-class devices that enhance the accessibility and reliability of critical healthcare services. Since its inception, it has raised over US$8 million, served over 250,000 families globally, and saved the lives of hundreds of newborns. Its esteemed investors include the NUS, Enterprise Singapore, Hong Kong X Fund (Sequoia China), Capital Asia Investments, and City University of Hong Kong. 億杉醫療專注於研發前沿和創新的新生嬰兒與婦女醫療保健器件。公司於 2019 年在新加坡國立大學的校園內成立，總部位於新加坡，並於香港和深圳設有辦事處。 億杉醫療是生物信息處理和生物傳感器方面的專家，能開發一流設備，以提高關鍵醫療服務的可及性和可靠性。自公司成立以來，億杉醫療已籌募超過 800 萬美元，為全球超過 25 萬個家庭提供服務，挽救了數百名新生嬰兒，並獲得新加坡國立大學、新加坡企業發展局、創科香港基金會（紅杉中國）、新加坡財亞基金及香港城市大學等投資支持。 ***CityUHK Patent Used:*** *Radiative Cooling Interface for Wearable Electronic Device* ***Inventors:*** *Yu Xinge, Lei Dangyuan, Li Jiyu, Fu Yang* ***使用的城大專利：****用於可穿戴電子裝置的輻射冷卻界面* ***發明者：****于欣格、雷黨願、李冀豫、付洋*

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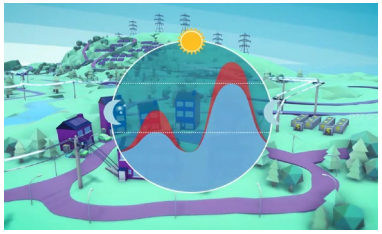
Thailand 泰國	**PJJ Solutions Company Limited**  **Representative 初創代表** Mr Lau Kwok Fui, Head of Operations	PJJ Solutions, founded in 2023 by university students in Thailand, provides pioneering sustainable and cost-effective energy solutions for behind-the-meter applications, focusing on Central-Based Energy Storage Systems (C-BESS) and Virtual Management Platform (VMP). C-BESS tackles the intermittent nature of solar power by efficiently storing energy and stabilising the grid. It discharges energy during high-demand periods and stores excess energy when demand is low. C-BESS is seamlessly integrated with existing grid infrastructures, enhancing reliability, optimising real-time energy distribution to ensure efficient delivery to meet consumer demand, and reducing reliance on fossil fuel-based power plants. This scalable solution supports global decarbonisation goals and improves the economic viability of renewable investments. Since its establishment, PJJ Solutions has made significant progress, consulting and networking with energy specialists in Thailand and abroad. It received a partnership offer from Sandisolar, a prominent solar energy firm in China. Its current focus is on integrating its technology into Thailand's grid system. It aims to establish a research institution to further enhance, test and optimise its solutions, and promote the wider adoption of renewable energy solutions in Thailand and the rest of Southeast Asia. PJJ Solutions 於 2023 年在泰國成立，是一間由大學生所創辦的初創公司，專注於中央型能量儲存系統（C-BESS）和虛擬管理平台（VMP）技術，提供可持續發展和具成本效益的領先能源解決方案。 C-BESS 通過有效的能量儲存和穩定電網，解決太陽能發電的間歇性問題（例如陽光不足導致供電不穩等），它在用電需求較高的時段可繼續釋放能量、在低用電時段則可儲存多餘的能量。C-BESS 與現有電網基礎設施可無縫接軌，提高了可靠性、改善了即時能源分配，以確保高效的電力輸送以滿足消費者的需求，同時減少對基於化石燃料發電的依賴。這種可擴展的解決方案不但支持全球減碳，亦提高了可再生能源投資的經濟可行性。 自成立以來，PJJ Solutions 持續與泰國和海外的能源專家進行諮詢和交流，並取得了重大進展，更收到了中國著名的太陽能公司 Sandisolar 的合作邀請。 公司目前的重點是將他們的技術整合到泰國的電網系統之中，同時希望建立一個研究機構，以進一步增強、測試和強化其解決方案，促進可再生能源在泰國和東南亞的廣泛發展。 ***CityUHK Patent Used:*** *Method for Manipulating an Energy Storage Device* ***Inventors:*** *Zhi Chunyi, Yang Qi, Guo Ying, Tang Zijie*

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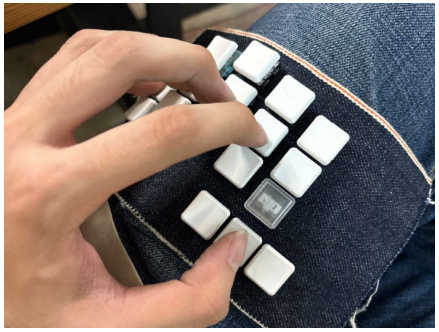
Thailand 泰國	**Portex Innovation Company Limited**  **<u>Representative 初創代表</u>** Mr Bunyasit Fang, CEO	Portex Innovation is a visionary start-up that aspires to shape the future of human-computer interaction. It focuses on revolutionising how people interact with technology. Its goal is to develop the input device of the future – a portable, split keyboard that is attached to the user's legs, promoting a healthier computing experience. This innovative input device seamlessly integrates with emerging technologies, like extended reality (XR) and spatial computing, enabling users to input data in a more natural and ergonomic way. By eliminating the constraints of traditional keyboards, it aims to unlock new possibilities in productivity, creativity and accessibility. What sets Portex Innovation apart is its commitment to open-source principles and customizability. Its modular technology allows users to tailor the input experience to their specific needs and preferences, fostering collaboration and innovation within the tech community. Currently in the prototype stage, Portex Innovation has already garnered interest from many testers. It plans to launch a Kickstarter campaign in Q4 2024 to make its transformative input device available to the masses. Portex Innovation 是一家有遠見的初創企業，致力塑造人機互動的未來。他們革新人們與科技的互動方式，目標是開發未來的輸入裝置——一種可連接到使用者腿部的便攜式分體鍵盤，提倡更健康的運算體驗。 這款創新的輸入裝置與延展實境（XR）和空間計算等新興技術無縫結合，使用者能夠以更自然和更符合人體工學的方式輸入資料，消除傳統鍵盤的限制，釋放生產力、創造力和可及性的新潛能。 Portex Innovation 與眾不同之處，在於其對開放源碼原則和可自訂性的承諾。他們的模組化技術讓使用者能夠根據特定需求和偏好，制訂輸入體驗，從而促進科創社群內的合作和創新。 目前，Portex Innovation 仍處於原型開發階段，但已吸引眾多測試人員的興趣。他們計劃在 2024 年第四季啟動 Kickstarter 項目，向大眾推廣這款變革性的輸入裝置。 ***CityUHK Patent Used:*** *Rechargeable Polyacrylamide Based Polymer Electrolyte Zinc-Ion Batteries* ***Inventors:*** *Zhi Chunyi, Li Hongfei*

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Indonesia 印尼	**PT Inspirasien Srikandi Indonesia**  **<u>Representative 初創代表</u>** Ms Astriani Dwi Aryaningtyas, CEO	Inspirasien Srikandi Indonesia, Ltd. (Inspirasien) is a health support and patient advocacy platform founded by chronic disease survivors with various health professional backgrounds who are committed to supporting other patients. We are licensed by the American Society of Clinical Oncology. We have 40 patient advocates who are health specialists and caring individuals help enhance patients' quality of life by providing more healthcare information. As a global patient advocacy provider, Inspirasien assists chronic disease patients and caregivers by providing comprehensive health services through: 1. Patient advocacy, including mental health check-ups; 2. Organising health education events, health assistants, and Patient-preneurship programmes with 50+ partners; and 3. Providing a collaboration referral programme with hospitals and laboratories to meet patients' needs. Inspirasien's website (https://www.inspirasien.id/), supported by an AI health assistant system, helps healthcare workers make clinical diagnoses. It is enhancing the Clinical Decision Support System (CDSS) to help patient advocates make quick and accurate diagnoses based on the patient's (vital signs) condition and monitoring the status through video conferences integrated with electronic medical records. Its services using technology were recognised by the Gadjah Mada University Startup Grant Program – Asian Development Bank in 2023. Inspirasien's mission is to build the best healthy digital ecosystem in patient advocacy. Inspirasien Srikandi Indonesia, Ltd.（Inspirasien）是一家由慢性病倖存者創辦的健康支援和患者倡導平台，這些創辦人擁有多種健康專業背景。平台獲美國臨床腫瘤學會認證，現時有 40 位患者倡導者，都是健康專家和護理人員，透過「患者倡導」、即提供更多醫療資訊，幫助患者提高生活質素。作為全球患者倡導提供者，Inspirasien 通過以下服務為患者和護理人員提供全面的健康服務： 1. 患者倡導，包括心理健康檢查； 2. 舉辦健康教育活動、健康助手和患者創業項目，已與 50 多個合作夥伴建立合作關係；以及 3. 與醫院和化驗室合作推行轉介項目，以滿足患者需求。 Inspirasien 的網站（https://www.inspirasien.id/）， 透過 AI 健康助手系統，協助護理人員做臨床診斷決策。Inspirasien 正在增強臨床決策支援系統（CDSS），以幫助患者倡導者根據患者的（生命表徵）狀況快速準確地做出診斷，並通過匯入了電子病歷的視頻會議，監察患者狀況。Inspirasien 基於上述技術的服務得到了 2023 年由亞洲開發銀行資助的加查馬達大學創業資助項目的認可。未來，Inspirasien 致力建立最佳的健康數字生態系統以進行患者倡導。 ***CityUHK Patent Used:*** *Wearable Three-dimensional Auricular Multi-point Acquisition, Health Status Monitoring, And Bio-stimulation Device* ***Inventors:*** *Li Wenjung, Huang Qingyun, Chan Ho-yin*

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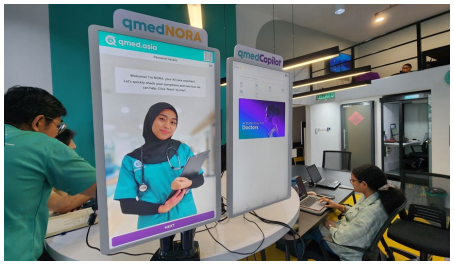
Malaysia **馬來西亞**	**Qmed Asia** **喬醫科技**  **<u>Representative 初創代表</u>** Dr Kev Lim, Founder & CEO 林曉仲醫生 – 創辦人及行政總裁	QueueMed Healthtech Sdn. Bhd. (also known as Qmed Asia), founded in 2019 by medical doctors and AI experts, aims to revolutionise healthcare delivery through digital health solutions and streamline and enhance the patient journey with an integrated AI-driven healthcare experience. It offers three main product lines: Qmed Journey, Qmed Connect and Qmed AI. **Qmed Journey** provides end-to-end patient journey solutions, including online appointments, queue management, self-registration kiosks and teleconsultation. **Qmed Connect** integrates medical devices, supporting teleradiology and cloud PACS solutions for radiology devices, such as ultrasound and X-ray machines. **Qmed AI** develops AI tools to enhance diagnostics and clinical decision-making, enhancing precision and efficiency in healthcare. Its technology seamlessly integrates with existing healthcare systems, making adoption easy. For example, its AI Triage Chatbot, Qmed Nora, combines multiple functions, enabling faster and more accurate diagnoses and treatment plans. It works with over 4,000 healthcare providers, benefiting more than 4 million patients, and has partnered with Malaysia's Ministry of Health and MOSTI and expanded into big hospitals and clinic chains. It plans to grow in Southeast Asia, with ongoing projects in Singapore, Indonesia and the Philippines. It is also exploring the Hong Kong market and seeking partnerships with leading healthcare providers and academic institutions. 喬醫科技（Qmed Asia）由一班醫生和人工智能專家於 2019 年創立，旨在透過數碼醫療解決方案徹底改變醫療保健服務，以人工智能驅動的綜合醫療，簡化並改善病人的就醫體驗。 他們的三大產品線包括 Qmed Journey、Qmed Connect 和 Qmed AI。**Qmed Journey** 提供端到端的病人就診解決方案，包括網上預約、排隊管理、自助登記亭和遙距諮詢。**Qmed Connect** 整合了醫療設備，支援遙距放射學和雲端影像存檔和通訊系統（Cloud PACS），適用於超聲波和 X 光機等放射設備。**Qmed AI** 開發人工智能工具，提升診斷和臨床決定，帶來精準和高效的醫療保健。 喬醫科技的技術可與現有醫療系統無縫接合，讓醫療服務提供者更容易採用。例如，他們的人工智能分流聊天機械人 Qmed Nora 結合多種功能，令診斷和治療計劃更快、更準確。 他們與馬來西亞衞生部和科技創新部合作，並服務 4,000 多家醫療保健機構，有 400 多萬名病人受惠；他們將繼續把技術擴展到大型醫院和連鎖診所。 他們又計劃在東南亞地區進一步發展，目前正在新加坡、印尼和菲律賓開展項目，亦正探索香港的市場，並尋求與領先的醫療保健服務提供者和學術機構建立合作關係。 ***CityUHK Patent Used:*** *Medical Image Compression and/or Reconstruction* ***Inventors:*** *Sam Kwong Tak-wu, Liu Xiangrui, Wang Meng, Wang Shiqi* ***使用的城大專利：****壓縮和重建三維醫學圖像的方法和系統* ***發明者：****鄺得互、劉祥瑞、王萌、王詩淇*

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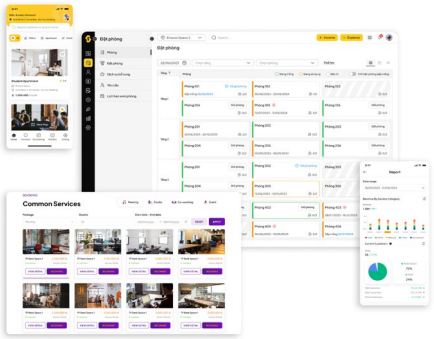
Vietnam 越南	**Smartos Joint Stock Company**  **<u>Representative 初創代表</u>** Ms Trang Hanh Tran, Founder & CEO	Smartos is a one-stop platform for the rental real estate industry, whose aim is to revolutionise the industry with property intelligence, helping property owners, managers and tenants make appropriate financial decisions. By combining PropTech and FinTech, Smartos offers a suite of solutions, including: • SaaS: Software-as-a-service to address inefficiencies, high operating costs and the lack of data analytics in the industry. • Bespoke Solution: A custom-tailored technology solution to improve branding and the property experience for owners, managers and tenants. • On-Demand Booking: A web or app solution to simplify the rental process. Its customisable software provides a strategic, cost-effective solution for businesses of any size to enter or expand in the real estate technology market. Smartos is rapidly adding new features and users and improving its technology. It has deployed its solutions in over 150 locations, managing nearly 4,000 rental apartments nationwide. Recognised with an award at the Best Solution Awards in Vietnam and a Top 10 finish at Startup Wheel 2023, Southeast Asia's biggest start-up competition, Smartos aims to become Vietnam's leading rental real estate platform, managing over 300,000 units. It plans to launch a new AI-powered FinTech solution for property owners and managers and expand across Southeast Asia. Smartos 是一個一站式房地產租賃平台，旨在以房地產智能技術革新行業，幫助業主、管理者和租戶作出合適財務決定。 Smartos 結合房地產技術和金融科技，提供一系列的解決方案，包括： • SaaS：透過軟體即服務的方案，解決行業效率低、營運成本高和資料分析不足的問題； • 定制解決方案：一種定制技術方案，可提升品牌知名度，改善業主、管理者和租戶的體驗； • 按需預訂：一種簡化租賃流程的網絡或應用程式解決方案。 Smartos 的可定制軟件，為任何規模的企業在進入或拓展房地產技術市場時，提供具策略和成本效益的解決方案。 在持續改進技術之際，Smartos 也迅速增加新功能和用戶，它的解決方案已覆蓋 150 多個地點，管理全國近 4,000 套出租公寓。 Smartos 在東南亞最大的初創企業競賽「Startup Wheel 2023」中躋身前十名，並入選越南「最佳解決方案獎」。它的目標是成為越南領先的房地產租賃平台，管理超過 30 萬套公寓。它更計劃為業主和管理者推出一款全新的人工智能金融科技方案，並逐步於東南亞擴展。 ***CityUHK Patent Used:*** *System and Method for Optimizing A User Interface and A System and Method for Manipulating A User's Interaction with An Interface* ***Inventors:*** *Antoni Bert Chan, Rynson Lau WH, Pang Xufang, Cao Ying*

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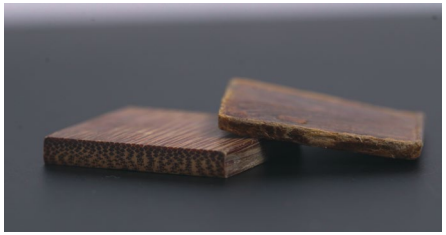
Hong Kong **香港**	**Super Bamboo Limited** **超竹有限公司**  **<u>Representative 初創代表</u>** Mr Andy Ong, Co-founder & CEO; Research Assistant of CityUHK Department of Mechanical Engineering 王家鴻先生 – 聯合創始人及首席執行官、城大機械工程學系研究助理	Super Bamboo is a green material science start-up that designs advanced augmented bamboo materials to help save the earth. The company combines nature's friendliest resource with innovative engineering to enable what was previously considered impossible. Their current core technologies are Super Bamboo™ and Porous Biochar™. Super Bamboo™ is an award-winning material that is three times stronger than regular bamboo with a higher strength-to-weight ratio than steel. It uses a breakthrough manufacturing method utilising no formaldehyde, toxic glue or other toxic chemicals. Porous Biochar™ is a fully biobased bamboo fire-retardant material that can withstand fire beyond 1,000°C for over an hour. These materials can be used in green buildings and construction in the future. Super Bamboo has received numerous awards, including the Gold Medal in the Inventions Geneva Evaluation Days, the Merit Award in the Innovation Award, by the Institution of Mechanical Engineers, the Industry's Pick Award, by the HK Startup Council, and the Best Deep Tech Pioneer Award, by Y-LOT Foundation. Currently, Super Bamboo is working and seeking support to scale up and set up pilot manufacturing, with the goal of launching its first panel and fire-rated building products by the end of 2024. 超竹有限公司是一間綠色材料科技初創，專注研究、設計和強化天然竹材，結合環境友善的資源和創新的工程學技術，實現過往被視為不可能的材料科技。 公司目前的主要產品是「超級竹子」（Super Bamboo™）及「多孔生物炭」（Porous Biochar™）。屢獲殊榮的「超級竹子」強度為普通竹材的三倍，甚至比鋼材更要強韌，其製作過程更毋須使用甲醛、有毒膠水和有毒化學物，與傳統方法大為不同。同時，「多孔生物炭」是一種全天然的阻燃竹製材料，可抵抗攝氏 1,000 度的高溫燃燒超過一小時，未來可用於綠色建築及建設領域。 超竹有限公司曾獲日內瓦國際發明展金獎、英國機械工程師學會（IMechE）頒發優異獎、香港初創企業協會頒發「業界之選初創大獎」及 Y-LOT Foundation 頒發「深科技先鋒獎」。 公司現正為擴大產能和建立先導生產設備尋求支持，目標是於 2024 年底前推出首款竹材面板和耐火建築產品。 ***CityUHK Patent Used:*** *A Method of Forming a Composite Material and a Composite Material* ***Inventors:*** *Lu Yang, Fan Rong* ***使用的城大專利：****一種形成複合材料的方法及複合材料* ***發明者：****陸洋、范蓉*

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Hong Kong 香港	**Syngular Technology Limited 雲合科技有限公司**  **<u>Representative 初創代表</u>** Mr Louis Sze Kwan-yik, Co-founder & CEO; Alumnus of CityUHK College of Business 施君易先生 – 聯合創辦人及行政總裁、城大商學院校友	Founded in 2021, Syngular focuses on developing mixed reality (MR) based surgical assistance software to convert medical scan data into holograms that can be visualised in a headset with ultra-low latency by surgeons during operations. It can also provide live video streaming with immersive remote interaction. Currently, surgeons rely on 2D screen images (such as X-rays) or 3D physical models to plan the entire surgical procedure and depend on assistants to open the relevant computer files during the operation. Considering the ageing population and shortage of healthcare professionals, there is huge market potential to improve surgical performance and efficiency to shorten operating times and reduce the number of revision surgeries. The "Syngular Mixed Reality Platform" can be applied in surgical planning, navigation, and remote collaboration and training. Surgeons can experience "X-ray vision" through the MR headsets – using 3D visualisation images overlaid on the patient's surgical part to locate surgical incisions and placement implantation. They can also search and retrieve predefined surgical step files through hand gestures or eyeball movements, enhancing surgery efficiency. 雲合科技成立於 2021 年，專注開發「混合實境」（MR）手術輔助軟件，將醫療掃描資料轉換全息圖（hologram），外科醫生在手術期間戴上「混合實境眼鏡」（MR 眼鏡）便可以超低延遲方式即時對照病人的醫學圖像。該軟件平台並可提供實時沉浸式遠端互動。 目前，醫生主要以 2D 屏幕圖像（例如 X 光片）或 3D 實體模型，協助規劃整個手術程序，並往往依賴助手在手術途中，移步到電腦開啟相關檔案進行對照。因應人口老化和醫務人員短缺的影響，提高手術效果和效率以縮短手術時間和減少二次手術，將具有巨大的市場潛力。 「雲合混合實境平台」可協助醫生規劃進行手術規劃、手術導航、遠程協作及教學培訓。醫生通過 MR 眼鏡可達至「直觀的 X 光視覺」——運用 3D 可視化影像與病人手術部位重疊，協助手術切口、放置植入物等位置定位，同時透過手勢、眼球動態等方式開啟和參照事前編定的各項手術步驟，有助提升手術效率。 ***CityUHK Patent Used:*** *Unsupervised Domain Adaptive Model for 3D Prostate Zonal Segmentation* ***Inventors:*** *Yuan Yixuan, Guo Xiaoqing*