

香港工商業獎

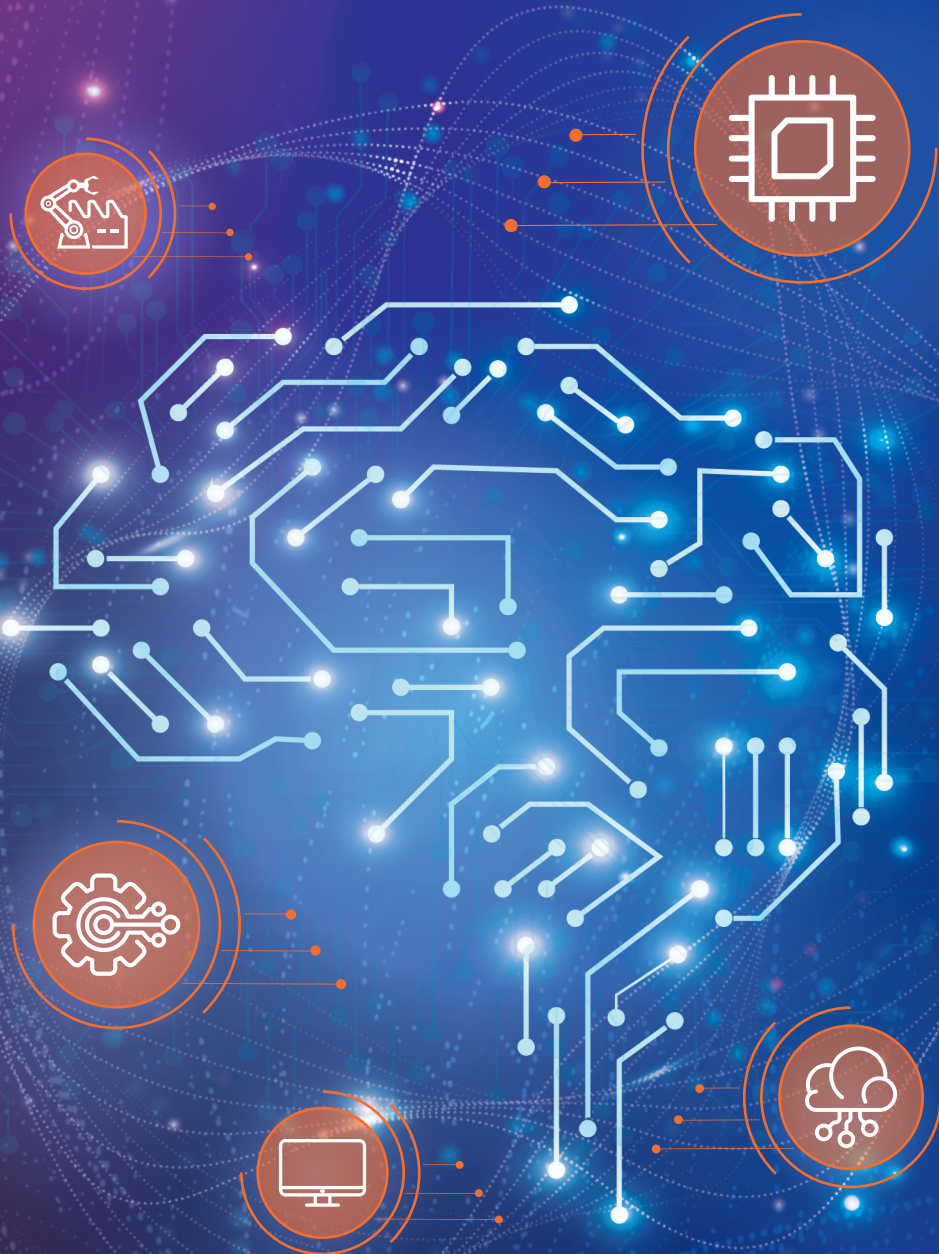
2021-22

HONG KONG
AWARDS FOR
INDUSTRIES



TECHNOLOGICAL ACHIEVEMENT

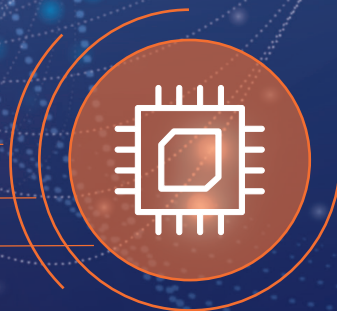
科技成就



2021-22

**HONG KONG AWARDS FOR INDUSTRIES:
TECHNOLOGICAL ACHIEVEMENT**

香港工商業獎：科技成就



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Chairman's Message

主席的話

Innovation and “innofactoring” are gaining increasing government support, with proposed \$130 billion government funding over the next four years, more land and resources under the proposed “Northern Metropolis Development Strategy”, and expanding the policy bureau’s role as Innovation, Technology and Industry Bureau to further re-industrialisation.

Against this backdrop, Hong Kong Science and Technology Parks Corporation as the Organiser of Hong Kong Awards for Industries (HKAI) “Technological Achievement” is heartened to see winning innovative solutions empowering innofactoring and pivoting quickly to meet the community’s health needs.

Grand Award winner Geek+, a Chinese unicorn that picked Hong Kong as a base to capture opportunities in the Greater Bay Area, impressed with its smart logistics solution with autonomous mobile robots to organize inventory and improve efficiency. Winners Lifespans and Vista Innotech also put forward technologies that enable other industries – the former’s bone simulator helps accelerate the orthopaedic implants go to market, while the latter’s anti-shaking imaging stabiliser can be integrated in devices with cameras. Time Medical and Roborn showed they quickly responded to public health needs with robotics that can respectively disinfect and deliver, monitor body temperatures, help in ICU and isolation wards and more.

Other commended companies also presented innovations that enable innofactoring – viAct’s AI cloud-monitoring system can be deployed at construction sites to predict risks; ASTRI’s Easy 5G solution can be tailored to meet the needs of different industries; TCL Corporate Research HK’s automatic defect detection can reduce the manpower cost of labelling and testing; and Allystar’s SoC Chip supports all civil navigation systems with high-precision timing.

Congratulations to all HKAI winners. With innovation facilitating innofactoring, Hong Kong’s I&T and industrial sectors are well positioned to capture the rich opportunities arising from the government’s enhanced commitment to accelerating I&T development and reindustrialisation.

Dr Sunny Chai, BBS, JP

**Chairman, Hong Kong Science and
Technology Parks Corporation**



政府加大力度推動創科和創新製造，計劃在未來四年撥款1,300億港元，又在《北部都會區發展策略》撥出土地和各種資源，並建議將政策局易名為創新科技及工業局推動再工業化，為創科和創新製造提供更多有利的發展條件。

在這個背景下，香港科技園公司作為香港工商業獎「科技成就」組別的主辦單位，樂見多個得獎的創新科技方案，不但能為創新製造賦能，亦能更快更準地回應社會的公共衛生需要。

大獎得主極智嘉是來自內地的獨角獸，選擇落戶香港以抓緊大灣區的龐大發展機遇，其運用自主移動機械人的智慧物流解決方案，更有效提升倉庫及供應鏈管理的效率。其他的得獎項目中，生命跨越的骨骼模擬系統有助新研發的骨科植入物加快進入市場；高瞻創新科技的影像防震穩定器可用於各種帶有攝錄功能的儀器，兩者均有助其他產業的發展。而時代醫療和路邦則快速地回應抗疫需要，分別推出機械人執行消毒、運送、量體溫，以及在深切治療和隔離病房等操作。

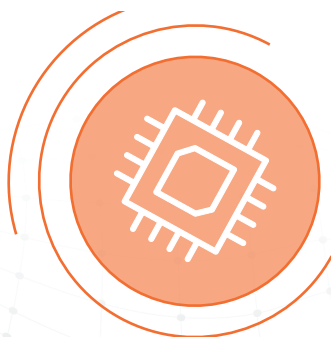


其他獲嘉許機構的創新方案亦有助支援創新製造。視動智能的人工智能雲端監控系統，若裝置在建築工地可預測風險；香港應用科技研究院的簡易5G應用方案可就不同產業的需要而靈活配置；TCL工業研究院(香港)的自動缺陷檢測有助減低標籤和檢測的成本；而華大北斗的SoC芯片則可支持所有民用導航系統，而且時間高度精準。

恭喜所有得獎的企業。創新科技促進創新製造，香港的創科和製造產業，定能在政策帶來的優勢下捕捉更豐富的發展機遇。

香港科技園公司主席

查毅超博士, BBS, JP



2021-22 Hong Kong Awards for Industries

2021-22 香港工商業獎

Final Judging Panel

最終評審委員會



Innovation and Creativity, Technological Achievement,
Upgrading and Transformation and Customer Service
創意、科技成就、升級轉型、顧客服務組別

From Left 由左起：

Mr. Victor Lam 林凱章先生

Chairman, Industry & Technology Committee
Hong Kong General Chamber of Commerce
香港總商會工業及科技委員會主席

Ms. Ruth Yu 余麗姚女士

Executive Director
Hong Kong Retail Management Association
香港零售管理協會執行總監

Prof. Way Kuo 郭位教授

Chairman of the Final Judging Panel
President
City University of Hong Kong
最終評審委員會主席
香港城市大學校長

From Right 由右起：

Mr. Wilson Chan 陳偉忠先生

Associate Director, Partnerships
Hong Kong Science and Technology Parks Corporation
香港科技園公司策略夥伴副總監

Mr. Alan Cheung 張益麟先生

Ex-officio Advisor
Hong Kong Young Industrialists Council
香港青年工業家協會當然顧問



2021-22 Hong Kong Awards for Industries

2021-22 香港工商業獎

Preliminary Judging Panel

初步評審小組



From Left 由左起：

Mr. Donald Chan 陳甘泉先生

Vice-Chairman

Hong Kong Wireless Technology Industry Association

香港無線科技商會副主席

Mr. Dennis Lee 李振強先生

Director of Emerging Technologies

Hong Kong Computer Society

香港電腦學會新興技術及應用總監

Dr. S. C. Kim 金信哲博士

Acting Associate Vice-President (Knowledge Transfer)

The Hong Kong University of Science and Technology

香港科技大學署理協理副校長 (知識轉移)

Ir. Dr. C. L. Chan 陳真良博士/工程師

Past Chairman / HKIE IT Division

The Hong Kong Institution of Engineers

香港工程師學會資訊科技分部前主席

Dr. Lawrence Poon 潘志健博士

General Manager, Smart City Division

Hong Kong Productivity Council

香港生產力促進局智慧城市部總經理

From Right 由右起：

Mr. Kingsley Wong 黃敬文先生

Assistant Government Chief Information Officer

Office of the Government Chief Information Officer (OGCIO)

政府資訊科技總監辦公室助理政府資訊科技總監 (產業發展)

Prof. J. Y. Dai 戴吉岩教授

Professor, Applied Physics Department

The Hong Kong Polytechnic University

香港理工大學應用物理學系教授

Dr. Shawn Zhao 趙曉宏博士

Deputy Director, Technology Transfer Office

The University of Hong Kong

香港大學技術轉移處副處長

Mr. Wilson Chan 陳偉忠先生

Associate Director, Partnerships

Hong Kong Science and Technology Parks Corporation

香港科學園公司策略夥伴副總監



GRAND AWARD

Geek Plus International Company Ltd

極智嘉國際有限公司

www.geekplus.com

Geek Plus International Company Ltd is a global technology company leading the intelligent logistics revolution. Geek+ applies advanced robotics and AI technologies to realize flexible, reliable, and highly efficient solutions for warehouses and supply chain management. The company has accumulated a wealth of knowledge of various industries such as e-commerce, retail, apparel, logistics, pharmaceuticals, automotive, and 3C manufacturing, and can integrate industry characteristics to create real value for customers.

Founded in 2015, Geek+ has over 1500 employees, with offices in Germany, the United Kingdom, the United States, Japan, South Korea, Mainland China, Hong Kong and Singapore. Geek+ autonomous mobile robots (AMRs) solutions empower over 500 globally-known brands, such as Nike, Decathlon, Walmart, and Dell, among many others.

極智嘉 (Geek+) 是一間引領全球智能物流革新的機械人公司，以自主研發的先進AMR機械人和AI技術，為倉庫和供應鏈管理提供靈活、可靠和高效的解決方案。極智嘉提供多元化的機械人和一站式智慧物流解決方案，在電商、零售、物流、製造等多個行業實踐智慧物流，提升倉庫運作效率，為企業提升競爭力。

極智嘉在全球20多個國家，為Nike、Decathlon、Walmart、DELL等500個知名品牌提供倉庫解決方案。自2015年成立以來，團隊已擴大至1,500多人，總部位於北京，並在德國、英國、美國、日本、韓國、香港和新加坡設有分部。

顛覆傳統的貨到人方案

貨到人揀選方案採用P系列機械人把庫存貨架搬送到揀選工作站，徹底顛覆傳統倉務員尋找貨物的模式。貨到人系統顯著降低了倉務員的勞動強度，更大幅提高揀貨準確率，提升營運效率達2-3倍。



Geek+'s Goods-to-Person solution uses P series AMR picking robots to move the inventory shelves and pallets to the picking station.

極智嘉貨到人方案採用P系列機械人，自主移動機械人 (AMRs) 會把貨架搬運到揀貨工作站。



Geek+ provides a full range of robotics products and one-stop logistics solutions for enterprises to reduce costs and increase efficiency. 極智嘉提供支援不同應用的機械人和一站式物流解決方案，幫助企業利用科技來降低成本、提高效率。

The game-changing Goods-to-Person picking system

Geek+'s Goods-to-Person solution uses P series AMR picking robots to move the inventory shelves and pallets to the picking station, eliminating redundant walking of picking workers, improving picking accuracy, and reducing labor intensity. Compared to traditional picking, automated picking solutions improve efficiency by 2 to 3 times.

Empowered by Geek+ proprietary smart algorithms, the robotic retrieval system uses the fewest AMR picking robots possible to achieve maximum efficiency, while improving warehouse storage capabilities. The digital transformation has enabled more visibility across the logistics process and better tracking of inventory data in the warehouse management system. The flexibility of mobile robots and compatible racking, combined with the ability to densely organize inventory according to real-time demand, creates a more agile supply chain.

系統以智能算法為核心，通過分析貨物的熱門程度來合併揀選訂單、推薦上架位置，調整庫存佈局，務求加快訂單揀選流程。P系列機械人可在貨架底部穿梭，無需預留大量通道位置，令貨架可密集式排列，大大提升倉庫存儲能力，實現高投資回報。應用AMR 機械人更可驅動倉庫數碼轉，系統能提供整個供應鏈流程的資訊，方便管理和追蹤庫存數據及提供物流訊息，幫助建立更靈活、敏捷的供應鏈。



Empowered by Geek+ proprietary smart algorithms, the system adjusts the inventory automatically according to the popularity of goods and placement recommendations. The solution optimizes warehouse space utilization by enabling high-density storage layouts.

系統會利用Geek+智能算法，自行按貨物熱門程度編排貨架位置，貨架可密集式排列，從而提升倉儲空間。



Warehouse workers need only pick the goods from the inventory shelves in front of them, improving picking efficiency and accuracy, while reducing labor intensity.

倉務員只需按指示從面前的貨架揀選貨物，提升揀貨效率、準確度之餘，更可減少體力勞動的工作。



AWARD

Lifespans Limited

生命跨越

www.lifespans.net

Lifespans Limited is a spin-off from Hong Kong University. The company has developed several medical device technologies: Soft Tip, Soft Thread, and the Alfonso Implant Simulator, technologies created to aid in the creation of safer bone fracture repair implants for elderly patients.

As part of the development process, Lifespans developed a novel new method to accurately predict implant performance and survivability, called Alfonso: The Implant Simulator, a new approach which the company believes will become the new standard for implant testing and performance prediction.

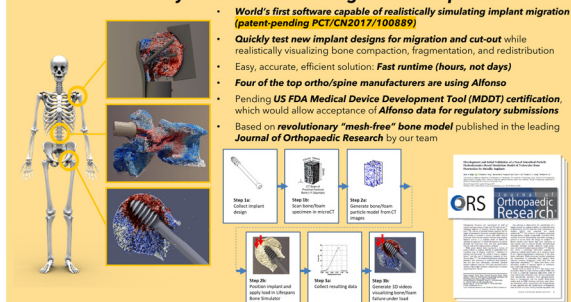
Lifespans founders are MIT engineers, medtech executives, and orthopaedic surgeons from Asia's #1 hospital – Queen Mary Hospital at the University of Hong Kong.

Lifespans

Implant technologies for soft bones

Alfonso: the implant simulator, by Lifespans

Our revolutionary tool for virtual testing of ortho implants



Images of the orthopaedic implant testing system, Alfonso, created by Lifespans

Lifespans 創建的骨科植入物測試系統 Alfonso 的圖像

生命跨越 (Lifespans Limited) 是香港大學孕育出來的初創公司，擁有多種醫療設備與技術：Soft Tip（彈性骨釘尖）、Soft Thread（柔性螺紋）和 Alfonso Implant Simulator（Alfonso 種植體模擬器），這些技術旨在幫助年長骨科病人創造出更安全的骨折修復植入物。

作為開發過程的一部分，生命跨越開發了一種新方法來準確預測種植體性能和生存能力，稱為 Alfonso：種植體模擬器，團隊相信這種新方法將成為種植體測試和性能預測的新標準。

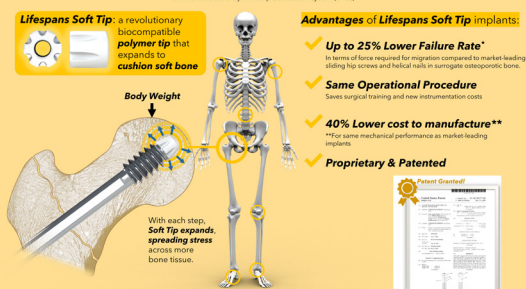
生命跨越的創始人是來自亞洲領先醫院—香港大學瑪麗醫院的麻省理工學院工程師、醫療技術高管和整形外科醫生。

Implants for Soft Bones by Lifespans

Lifespans Soft Tip Technology

FDA Nomenclature: Dynamic Tip Stabilization System (DTSS)

Lifespans Soft Tip - a revolutionary biocompatible polymer tip that expands to cushion soft bone



Images of the Soft Tip implant testing system created by Lifespans

Lifespans 創建的 Soft Tip 植入物測試系統的圖像

AWARD

Roborn Technology Limited

路邦科技有限公司

www.roborn.com

Roborn Technology Limited has been developing 5G Artificial Intelligence (AI) motion control robotics and technologies since 2017 and invented the first 5G Motion Control Humanoid Robot in China. The company advocates "Technization™", which is to integrate technologies into ecologies and enable them to be more productive, efficient, and sustainable for better human beings as a prosperous cycle.

To help fight COVID-19, Roborn acted agilely in developing and providing strategically new and unique solutions for epidemic prevention and healthcare, such as the 5G Body Temperature Measurement Robot called "PEP3000", UVC Disinfection Robot "Unicorn", 5G Outdoor Disinfection Robot "Sau Wu", 5G Indoor Environmental Quality (IEQ) Robot, 5G Remote Health Diagnosis Robot "Freedom", touchless lift button interface "kNow Touch", etc.

Besides, Roborn continuously put effort into solutions to facilitate productivity and sustainability for different sectors in the new normal. For example, the 5G Conferencing & Platform Robot "Stage" greatly enhances the experience of video conferencing and virtual tour, especially when work-from-home arrangement prevails around the world.



Joining the international race to pioneer the affordable mobile epidemic prevention-related robots, making the contributions and commitments to the industry and public in combating the COVID-19. 加入國際競賽，研發一系列可移動智能防疫機器人，為行業和公眾在防疫方面出一分力。

路邦科技有限公司自2017年成立以來，以動感控制系統為核心技術，配合5G及人工智能技術推動及發展全面化的機械人產品及解決方案，並發明了中國第一台5G動感控制仿生機械人。路邦提倡「Technization™」（科技生態化），實現科技融入生態，提升生產力和效率，讓人類活得更好。

在新冠疫情下，路邦快速地為市場研發和推出了一些具有策略性意義的全新抗疫解決方案，包括體溫監測機器人「PEP3000」，UVC消毒機器人「UNICORN」、戶外消毒機器人「守護」、室內環境質素（IEQ）機器人、無觸碰電梯控制系統「kNow Touch」等。

此外，路邦致力研發其他解決方案，以提升在新常態下不同行業的生產力和可持續性，例如在居家辦公措施盛行之際，路邦5G會議平台機器人「Stage」，大大幫助提升了視頻會議和虛擬導覽的體驗。



5G Outdoor Disinfection Robot "Sau Wu"
5G戶外消毒機器人「守護」

AWARD

Time Medical Limited

時代醫療有限公司

www.time-robotics.com

Time Medical Limited is a technology-focused company. Over half of the employees have technical engineering background. Time Medical consists of a fully functional team, with the capacity and capability of capturing local business opportunities with smart initiatives. The company provides complete turn-key solutions for various smart remote monitoring and control applications for customers. These applications involve the analytical study, engineering design, and the leverage of the latest technology in Artificial Intelligence (AI), Building Management System (BMS), Internet of Things (IoT), and Networking Infrastructure. Example applications include smart facility management & monitoring, and autonomous robotics systems.



Intelligent Sterilisation Robot
智能消毒機械人

Time Medical's consulting and system integration service philosophy relies on company expertise in end-to-end consulting, know-how of technology markets, and a deep understanding of emerging/current/legacy technologies to help customers achieve the best "value-driven solutions".

TIME MEDICAL
SYSTEMS

General Delivery Robot (200KG)
普通物資運送機械人 (200公斤)

時代醫療有限公司是一家專注於技術的公司，當中超過一半的員工具有技術工程背景。時代醫療由一個全能團隊組成，機智捕捉當地商機。公司致力為客戶提供各種智慧遠端監控應用的解決方案，包括分析研究及工程設計，並利用人工智能（AI）、建築管理系統（BMS）、物聯網（IoT）和網路基礎設施方面的最新技術，能夠應用於智慧設施管理和監控，以及自主機器人系統等。

時代醫療的諮詢和系統整合服務理念全賴團隊在端到端諮詢方面的專業知識、對技術市場的專業知識以及對新興/當前/遺留技術的深刻理解，以助客戶實現最佳的"價值驅動的解決方案"。



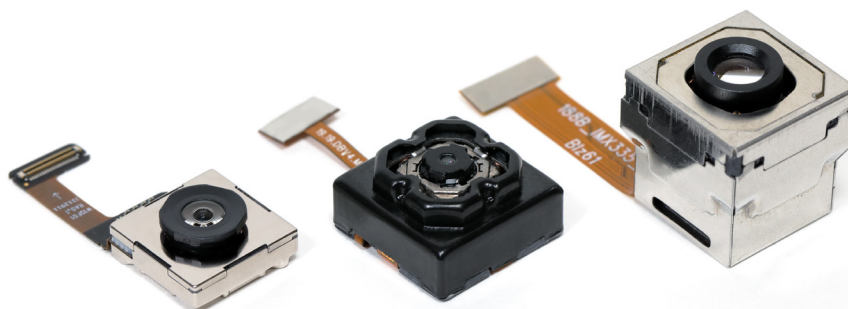
Heavy Duty Delivery Robot (500KG)
重型運送機械人 (500公斤)



AWARD

Vista Innotech Limited**高瞻創新科技有限公司**

www.vit.com.hk



MGS Series
微防抖雲台系列

The Micro Gimble Stabilizer (MGS) developed by Vista InnoTech (VIT) is the smallest built-in gimbal Compact Camera Module (CCM) design with the best anti-shaking performance currently in the world. The MGS is at least 40% smaller than the closest competitor. Therefore, it can fit into most mobile devices including smartphones and body-worn cameras. In terms of anti-shaking performance, the MGS outperforms most smartphones anti-shaking cameras by at least 200%, as measured by the maximum compensation angle. In terms of cost, it is similar to all existing and more inferior anti-shaking technology at mass production.

VIT's MGS technology is protected by not only 45+ international patents, but also proprietary auto-calibration software. This allows VIT to provide the MGS technology easily to any Voice Coil Motor or CCM manufacturers for securing licensing and development fees.

高瞻創新科技的微防抖雲台（MGS）是現時全球最小的內置防抖相機模組，具有卓越防抖性能。因為MGS相機模組比現時主要競爭對手的相機模組尺寸細小至少40%，所以MGS相機模組能適用於各類移動裝置，包括智能手機及穿戴式相機等。MGS的防抖性能卓越，補償角度比主流智能手機中的防抖相機高出至少200%。對比現時傳統的防抖技術，MGS的成本接近，性價比更高。

高瞻創新科技自由研發自動校正式，並已申請超過45個國際專利，以保護MGS技術。因此，高瞻創新科技可以有效提供微雲台防抖技術給不同音圈馬達或相機模組製造商，並獲得授權費及開發費。



MGS 154
微防抖雲台 MGS154 模組



CERTIFICATE OF MERIT

Allystar Technology Company Limited

華大北斗科技有限公司

www.allystar.com

Allystar Technology Company Limited was founded on January 17, 2017.

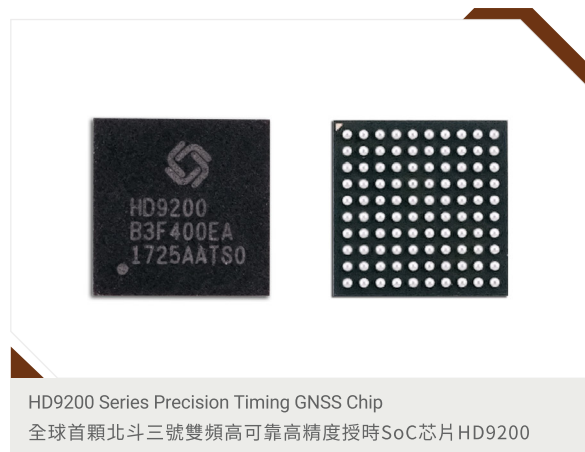
The company engages in design, integration, manufacture, test, sale and related businesses of chip, algorithm, module and terminal product.

Accumulated rich experience in chip advanced process, baseband RF integrated design, RF front-end technology, RF receiver architecture design, digital baseband processor, satellite navigation and positioning algorithm, adaptive anti-jamming technology, full satellite system joint positioning technology, dynamic voltage and frequency scaling technology, low-power design technology, etc., Allystar has ranked among the top three in the authoritative evaluation of its industry for many years.

Allystar has planned a complete chip product line focusing on intelligent terminals, automotive applications, high-precision applications and security BeiDou applications according to different requirements of industrial applications.



華大北斗科技有限公司
ALLYSTAR TECHNOLOGY CO., LIMITED

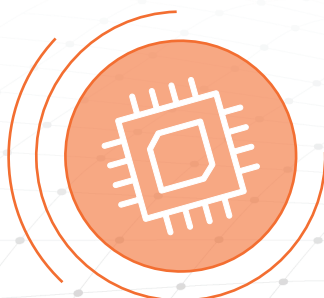


華大北斗科技有限公司於2017年1月17日成立，脫胎於世界500強企業中國電子信息產業集團有限公司（CEC）旗下導航芯片設計業務。

華大北斗專注從事芯片、算法、模組和終端產品設計、集成、生產、測試、銷售及相關業務。

華大北斗在芯片先進製程、基帶射頻一體化設計、射頻前端技術、射頻接收機架構設計、數字基帶處理器、衛星導航定位算法、自適應抗干擾技術、全系統聯合定位技術、動態電壓頻率調整技術、低功耗設計技術等方面都積累了豐富經驗，在權威主管部門與機構的評測中，常年位居行業前三。

華大北斗針對行業應用不同需求，重點圍繞智能終端應用、車載應用、高精度應用、安全北斗應用，規劃了完整芯片產品線。



CERTIFICATE OF MERIT

Hong Kong Applied Science and Technology Research Institute Company Limited



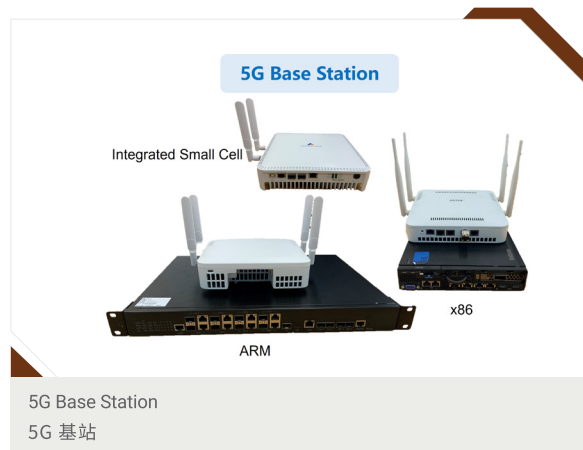
香港應用科技研究院有限公司

www.astri.org

ASTRI's Easy 5G solution is a cutting-edge end-to-end 5G network solution covering 5G base station, 5G MEC (Multi-access Edge Computing) and 5G Core. The technology has helped customers to enter 5G market via technology licensing (~20 customers and more new ones in discussion) and contributed to Hong Kong's 5G rollout and innovation.

Innovation Outline

- First 5G full-architecture solution in Hong Kong.
- World-leading performance.
- Provides high throughput and low-latency communication and comprehensive applications.
- Flexible design, low cost, easy deployment, and easy integration.
- Suitable for both public and private network deployment.
- Supports 5G rollout in Hong Kong, promotes 5G innovations and lowers the entry barrier for SMEs to enter 5G market.



應科院Easy 5G解決方案是涵蓋5G基站、5G MEC（多接入邊緣計算）和5G核心的尖端端到端5G網絡解決方案。該技術已幫助客戶通過技術許可進入 5G 市場（約 20 家客戶和更多正在討論的新客戶），並為香港的 5G 推廣和創新作出了貢獻。

創新大綱

- 香港首個5G全架構解決方案。
- 領先世界的性能。
- 提供高吞吐量和低延遲的通信和綜合應用。
- 設計靈活、成本低、易於部署和易於統合。
- 適用於公網和專網部署。
- 支援香港推出 5G，推動 5G 創新，降低中小企業進入 5G 市場的門檻。



CERTIFICATE OF MERIT

TCL Corporate Research (Hong Kong) Company Limited

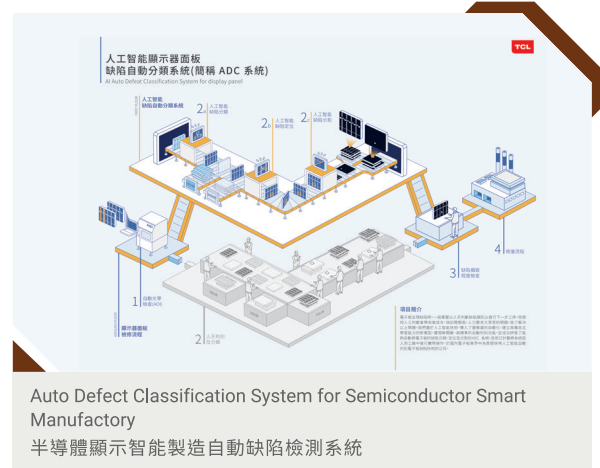
TCL 工業研究院(香港)有限公司

www.tcl.com

TCL Corporate Research (Hong Kong) Company Limited is an R&D center established by TCL Technology Group in Hong Kong. TCL Corporate Research HK serves the Group's "Smart + Internet", "Product + Service", "Double + Strategic". Transformation R&D focuses on artificial intelligence (AI), 5G technology, IoT, new sensors, financial technology, new display materials, etc.

The company main business includes cutting-edge technology research and innovative product R&D, technology development services, talent introduction and international business cooperation. At the same time, TCL Corporate Research HK also actively carries out strategic cooperation with local universities and public R&D institutions in Hong Kong, promotes the establishment of industry university research technology transformation platform, and speeds up the in-depth cooperation between local institutions in Hong Kong and TCL Technology Group and enterprises in the Greater Bay Area (GBA).

TCL



TCL 工業研究院(香港)有限公司是TCL科技集團在香港設立的研發中心，服務於集團的“智能+互聯網”，“產品+服務”的“雙+”戰略轉型，研發方向集中在人工智能、5G技術、物聯網、新傳感器、金融科技以及新顯示材料等。

公司主要業務包括前沿技術研究，創新產品研發，技術開發服務，人才引進和國際業務合作，同時也積極開展與香港本地的大學及公營研發機構的戰略合作，推動建立產學研技術轉化平臺，加快香港本地機構與TCL科技集團和大灣區企業的深度合作。

Technical Architecture of Industrial AI Deep Learning Engine 工業AI深度學習引擎技術架構

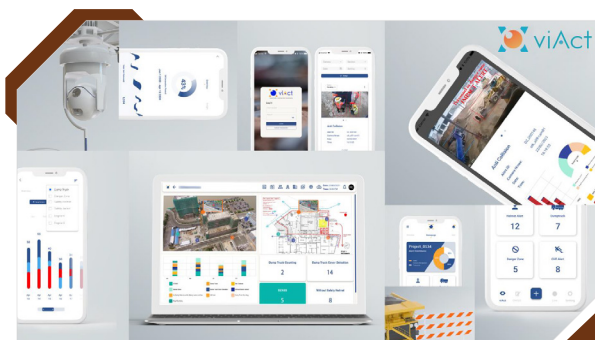


CERTIFICATE OF MERIT

viAct (Customindz Limited) 視動智能(佳智能有限公司)

www.viact.ai

viAct has developed a very simple, intuitive, ready-to-use AI solution for which there is no AI expertise needed, anyone on construction site with any CCTV camera with a minimum resolution of 2MP can simply use the RTSP link to connect to viAct's smart cloud system to automate construction monitoring. The module house thus gives ease to select over 30 pre-built AI modules-based safety, productivity, environmental protection in construction sites. It is a subscription-based solution using cloud-based SaaS.



viAct - AI Based Automated Cloud Construction Monitoring System
Ride on viAct's proprietary AI algorithm to analyze all kinds of raw data from the construction site with 90% accuracy for generation of instant insights to facilitate precise decision making. With visualizing the huge data automatically, you can keep your site management systematic and master the live situation remotely to enhance the workers' safety and productivity.

viAct is pre-approved technologies by Construction Innovation and Technology Fund (CITF) established by Development Bureau of the Government of the HKSAR. (Code: PA19-045)

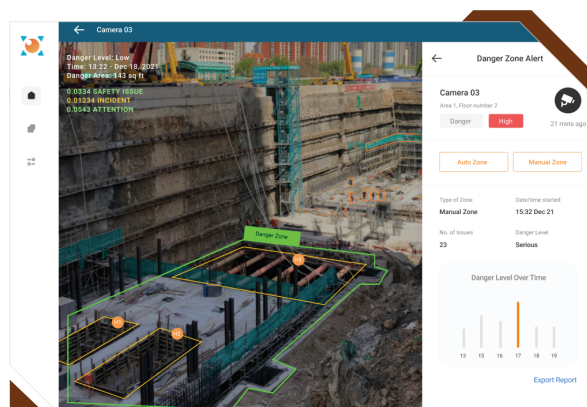
viAct(視動智能) – 建築工地人工智能計算機視覺雲

以viAct專有而準確率高達9成的人工計算技術，分析工地的各種原始數據，將其轉化成具決策性的數據，幫助管理人員進行決策。透過視覺化大量數據，讓工地人員能系統化及遙距地掌握實時的工地情況，提升工地安全和生產力。

viAct的建築科技方案受由香港特別行政區政府發展局撥款的「建造業創新及科技基金預先批核科技產品」所認證。(預先批核名單編號：PA19-045)



viAct 開發簡單易用的人工智能解決方案，不需要人工智能專業知識，任何人以最低分辨率為 2MP 的 CCTV 都可以簡單地使用 RTSP 鏈接連接到 viAct 的人工智能自動化施工監控雲系統，擁有30多個基於建築工地安全、生產力和環境保護的預建人工智能模組，並提供一種使用基於雲平台 SaaS 的訂閱方案。



DZASS - Danger Zone Alert Sensing System

Danger Zone Alert Sensing System (DZASS) is a smart solution that can be deployed on vehicles and machineries at construction site. It is a collaboration of IoT, 5G, AI based analytics and Cloud. In case of any human getting too close to the operating machinery which can cause possible danger; audio-visual alarm would be given to the operator in order to prevent any human-machine collision, machine-object collision, and machine-machine collision. DZASS is also one of the pre-approved technologies by the Construction Innovation and Technology Fund (CITF) established by Development Bureau of the Government of the HKSAR. (Code: PA20-090)

viAct(視動智能) – 危險區域警報傳感系統

危險區域警報傳感系統 (DZASS) 是可以安裝於工地車輛及機械上的智慧方案。產品結合物聯網 (IoT)、第五代流動通訊技術 (5G)、人工智能分析技術 (AI) 及雲計算技術 (Cloud)。當途人路經或站在車輛附近時，顯示屏及揚聲器會發出警報予操作員，以預防人與機械、物件與機械及機械之間的碰撞。

viAct的危險區域警報傳感系統受由香港特別行政區政府發展局撥款的「建造業創新及科技基金預先批核科技產品」所認證。(預先批核名單編號：PA20-090)



INNOVATION

STARTS HERE

We aren't just famous for savvy investments,
but also created a place that invests in
human ingenuity.



www.hkstp.org



