HONG KONG ICT AWARDS 2023 香港資訊及通訊科技獎

Smart Business Award
商業方案獎

Smart Business Award

Solution for Business and Public Sector Enterprise
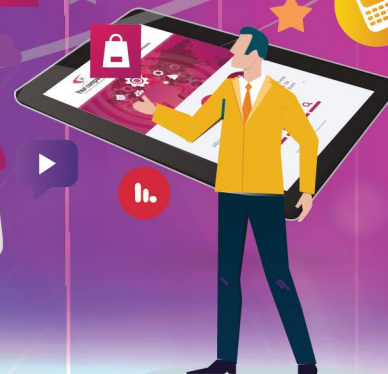**商業及公營機構**

Solution for SME
中小企業

Emerging Technologies
新興技術

Leading Organiser
籌辦機構

HONG KONG COMPUTER SOCIETY
香港電腦學會

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籌辦機構簡介

The Hong Kong Computer Society (HKCS) is a well established non-profit organisation that has been striving to improve and develop Hong Kong's Information and Communication Technology (ICT) industry since its founding in 1970.

HKCS is the first officially recognised professional association for the ICT industry in Hong Kong, dedicated to the promotion of the highest professional standards for the industry. Members hail from a broad spectrum of Hong Kong's ICT industry, from corporations to like-minded individuals, all coming together to raise the profile of the industry.

During its over 50 years' history, HKCS members have come to form the core of a wide and influential network throughout the whole spectrum of Hong Kong services and other industries. The Society offers a chance for Hong Kong's communities to exchange ideas and to carry out a dialogue with the Government regarding ICT and its impact to the society. Being a highly active association, HKCS is regularly organising many activities to help promote ICT in Hong Kong, including lectures, discussions, seminars, and open forums on subjects related to ICT.

香港電腦學會成立於一九七零年，為本港資訊及通訊科技界最具規模的非牟利專業團體之一。學會成立目的為促進香港資訊及通訊科技的發展、作為普及電腦知識的媒介機構、推廣最新資訊科技和產品的認識、及提高業內的專業操守。

作為本港首個獲正式認可的資訊及通訊科技界專業團體，學會在業界具專業權威及代表性。會員共分個人及公司兩類，來自資訊及通訊科技業界的各種範疇，包括各大商業、科研及教育機構和從事資訊及通訊科技的專業人士。會員獲本港及亞洲區資訊及通訊科技行業廣泛認可。

香港電腦學會成立超過五十年，已建立一個涵蓋各服務行業和其他行業、富代表性及具影響力的會員網絡。一直以來，學會憑藉其專業知識及影響力，積極在社會大眾與政府之間搭建溝通的橋樑，成功促進彼此在資訊及通訊科技方面的意見交流。此外，學會亦不斷積極為業界和會員策劃及組織各類活動，包括以資訊及通訊科技為主的專題講座、研討會、公開論壇及考察活動。

Background
背景

The Hong Kong ICT Awards aims at recognising and promoting outstanding information and communications technology (ICT) inventions and applications, thereby encouraging innovation and excellence among Hong Kong's ICT talent and enterprises in their constant pursuit of creative and better solutions to meet business and social needs.

The Hong Kong ICT Awards was established in 2006 with the collaborative efforts of the industry, academia and the Government. Steered by the Office of the Government Chief Information Officer, and organised by Hong Kong ICT industry associations and professional bodies, the Awards aims at building a locally espoused and internationally acclaimed brand of ICT awards.

There are eight categories under the Hong Kong ICT Awards 2023. There is one Grand Award in each category, and an "Award of the Year" is selected from the eight Grand Awards by the Grand Judging Panel. HKCS is officially appointed by OGCIO to be the Leading Organiser of the Hong Kong ICT Awards 2023: Smart Business Award category. The Smart Business Award covers 3 streams, including Solution for Business and Public Sector Enterprise, Solution for SME as well as Emerging Technologies.

香港資訊及通訊科技獎旨在表揚及推廣優秀的資訊及通訊科技發明和應用,以鼓勵香港業界精英和企業不斷追求創新和卓越,謀求更佳和更具創意的方案,滿足企業的營運需要,造福社會。

通過業界、學術界和政府的共同努力,香港資訊及通訊科技獎於二零零六年成立。香港資訊及通訊科技獎由政府資訊科技總監辦公室策動,並由香港業界組織及專業團體主辦,目的是為香港建立一個廣受香港社會愛戴、並獲國際認同的資訊及通訊科技專業獎項。

2023香港資訊及通訊科技獎設有八個類別的獎項。每個類別均設有一個大獎,而最終評審委員會再從八個大獎中甄選出「全年大獎」。 香港電腦學會被正式委任為2023香港資訊及通訊科技獎:商業方案獎籌辦機構。商業方案獎包括三個類別,包括商業及公營機構、中小企業以及新興技術。

Message from Dr. Rocky Cheng
鄭松岩博士獻詞

HONG KONG COMPUTER SOCIETY
香港電腦學會

Dr. Rocky Cheng
President of Hong Kong Computer Society
鄭松岩博士
香港電腦學會會長

The Hong Kong Computer Society (HKCS) is honoured to be the Leading Organiser of the "Hong Kong ICT Awards 2023: Smart Business Award" once again. Since its founding in 1970, HKCS has been dedicated to the development of ICT industry, and upholding of its highest professional standards.

The Hong Kong ICT Awards was established in 2006 with the collaborative efforts of the industry, academia and Government. Hong Kong Computer Society is proud to be appointed by Office of the Government Chief Information Officer (OGCIO) as the Leading Organiser of the Smart Business Award category. Looking ahead, I believe that our joint efforts continue to be crucial for encouraging participation on a territory-wide level, and to provide more opportunities for Hong Kong ICT talents to showcase their prowess on the international stage.

Last year, we changed the award of "Big Data and Open Data Applications" to "Emerging Technologies" in order to reflect the current development of technology; and the number of entries of the newly created stream has been encouraging for these two years. In addition, I am tremendously impressed by the quality of this year's entries, as well as the effort and dedication of our ICT professionals in creating such innovative products, even though still under the tough economic period after COVID-19 pandemic. They not only demonstrate the great advancement of the industry, but also contribute to a better community. Their participation makes "Hong Kong ICT Awards 2023: Smart Business Award" a wonderful success.

As you may aware, the Asia Pacific Information and Communication Technology Alliance Awards 2023 (APICTA 2023) will be held in Hong Kong from 5 to 8 December of this year. The event, commonly referred as the "Oscars" of ICT industry, will be organised jointly by OGCIO and HKCS and it is an annual ICT award competition to recognise the best of the best in ICT innovation in the Asia Pacific Region as well as provide a platform for networking, business matching opportunities and technology transfer for the participating enterprises. As Executive Committee Member of APICTA, HKCS nominate, coach and led the Hong Kong delegation comprising local ICT award winners, including recipients of the Hong Kong ICT Awards, every year. I am looking forwards to witness the outstanding winners of Hong Kong ICT Awards this year who being nominated to compete with participants from Asia Pacific in our home city.

I would like to take this opportunity to thank each and every member of the Organising Committee, the Assessors, and the Judging Panel for their dedication and expertise. A special thanks also to the Supporting Organisations and the Secretariat for their invaluable support. Their contribution is much crucial to the success of the project.

Last but not least, my warmest congratulations to all the winners for their incredible efforts in promoting "Smart" ICT usage and innovation in the Hong Kong business community.

自1970年成立以來，香港電腦學會一直不遺餘力推動業界發展及提升業界專業水平，本會深感榮幸能夠再次舉辦「2023香港資訊及通訊科技獎：商業方案獎」。

「香港資訊及通訊科技獎」於2006年在業界、學術界和政府的共同努力下成立。香港電腦學會十分榮幸，能獲政府資訊科技總監辦公室委任為商業獎類別的主辦機構。展望未來，相信我們的共同努力，將是鼓勵全港業界參與的關鍵，我們將提供更多機會，予香港的資訊及通訊科技人才，讓他們在國際舞台上展現實力。

去年度，我們將「大數據及開放數據應用」獎項更改為「新興技術」，以反映最新的技術發展趨勢，而兩年來，報名競逐此新設獎項者均非常踴躍，令人鼓舞。此外，即使社會復常但經濟仍然有待改善的情況下，今年參賽作品依然維持高質素，而各位ICT專業人員在創新產品上所付出的努力及投入，亦令人深受感動。他們不僅展示出行業的不斷進步，亦為創造更美好的社群作出貢獻。他們的參與，對「2023香港資訊及通訊科技獎：商業方案獎」能達致成功，居功至偉。

眾所周知，本年度的「亞太資訊及通訊科技大獎2023」（APICTA 2023）將於今年12月5日至8日在香港舉行。該項一年一度的亞太區資訊及通訊科技界盛事，一向被譽為業界的「奧斯卡」，將由香港特別行政區政府資訊科技總監辦公室與香港電腦學會聯合主辦，旨在表揚亞太地區精益求精的創新科技發明，而且能為參賽者提供建立人脈網絡的平台、並提供機會協助與投資者尋求商業配對，促進技術轉讓和應用。香港電腦學會作為APICTA的執行委員會成員，每年均會提名、指導及帶領香港隊伍參賽。而香港隊伍之成員，均為曾於本地獲得業界獎項者，包括香港資訊及通訊科技大獎的得主。本人非常期望可以見證到本年度被提名的香港資訊及通訊科技大獎的得主，能於今年底在本地舉行的APICTA 2023中，與來自亞太地區其他經濟體的參賽者競逐獎項。

本人想藉此機會，衷心感謝籌備委員會、評審委員會和遴選委員會中，每一位成員的貢獻和專業知識，以及感謝支持機構和香港電腦學會秘書處提供的寶貴支持。各位的貢獻對於本項目的成功，居功至偉。

最後，本人謹代表本會，再次熱烈地祝賀所有獲獎者，及感謝他們在促進本地商界邁向更為「智慧」的道路上，所付出的巨大努力。

Message from Mr. Wilson Ching
莊銓盛先生獻詞

HONG KONG COMPUTER SOCIETY
香港電腦學會

Mr. Wilson Ching
Chairperson of the Organising Committee,
HKICT Awards 2023: Smart Business Award
莊銓盛先生
「2023香港資訊及通訊科技獎：商業方案獎」籌備委員會主席

It has truly been an honor for me to serve as the Chairperson of the Organising Committee of such a coveted award, which promotes innovation and excellence in the ICT industry. The Hong Kong ICT Awards has been running for 17 consecutive years, backed by enthusiastic support from the Government, industry associations, professional bodies and the academia. It is wonderful to see the award going from strength to strength over the years, as can be witnessed from the high caliber of entries we have received this year.

The "Smart Business Award" category of the Hong Kong ICT Awards encourages innovation in Hong Kong's ICT industry by recognising exceptional talent from 3 different streams. They are Solution for Business and Public Sector Enterprise; Solution for SME and the Emerging Technologies. All the award recipients are selected based on the viability of their IT solutions in meeting evolving business and social needs.

My heartfelt thanks goes to organiser, Office of the Government Chief Information Officer, for their on-going supporting and all the members of the Organising Committee, the judging panel, the supporting organisations, and the Hong Kong Computer Society Secretariat for their time, dedication, and effort throughout the whole event. The Hong Kong ICT Awards 2023 would not have been possible without their support and assistance.

Last but not least, I would like to send my sincere appreciation again to the participants and winners this year for their enthusiasm and passion behind their great ICT inventions and applications. You are the people who make it possible for Hong Kong to strengthen its position as an International Innovation and Technology hub, now and in the future.

本人非常榮幸能在是項廣獲好評的業界大獎中，擔任籌備委員會主席。此獎項旨在促進資訊及通訊科技行業的創新，並表彰優秀作品為社會帶來的卓越成就。「香港資訊及通訊科技獎」已經連續運作了十七年，得到政府、業界組織、專業團體和學術界的熱烈支持。我們很高興看到這個獎項，多年來一直在不斷發展壯大，由今年收到的高質量參賽作品中，可見一斑。

「香港資訊及通訊科技獎」的「商業方案獎」類別，目的是鼓勵香港資訊及通訊科技業尋求創新，表揚來自3個不同範疇的傑出人材，包括「商業及公營機構」、「中小企業」及「新興技術」。所有獲獎作品均根據解決方案的可行性來挑選，以滿足變化不斷的商業和社會需求。

本人衷心感謝主辦單位政府資訊科技總監辦公室一直以來的支持；以及籌備委員會、評審委員會、支持機構，以及香港電腦學會秘書處的所有成員，他們在整個頒獎過程中，貢獻了寶貴的時間和提供專業的意見。你們的助力與支援，對本年度的香港資訊及通訊科技獎2023達致成功，實在功不可沒。

當然，還要再次感謝所有在這些優秀得獎作品背後的參與者和開發者，你們的熱誠與投入，是讓香港不論現在或未來，均能保持以至鞏固其國際創新科技中心的地位。

Message from Prof. S. Joe Qin
秦泗釗教授獻詞

HONG KONG COMPUTER SOCIETY
香港電腦學會

Prof. S. Joe Qin
Chairperson of Judging Panel of
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秦泗釗教授
「2023香港資訊及通訊科技獎：商業方案獎」
評審委員會主席及嶺南大學校長

It is my honour to be the Chairperson of the Judging Panel for the Hong Kong ICT Awards 2023: Smart Business Award. As usual, the panel has been impressed by the quality of the entries, and delighted that the standard of the competition has reached such a high level.

Information and communication technology is essential for improving the operational efficiency and productivity of business enterprises as well as the whole of society.

The Hong Kong ICT Awards 2023: Smart Business Award provides an excellent platform for local companies and institutions to demonstrate remarkable products and applications that enhance the effectiveness of business enterprises as well as public sector organisations.

The Organising Committee is extremely pleased to see the strong participation and encouraging entries in the Awards this year, especially in the Smart Business Award category, which covers the three streams: Solution for Business and Public Sector Enterprise, Solution for SME, and Emerging Technologies. After deliberate assessment, winners were selected based on their success in meeting the five judging criteria: creativity, functionality, market potential, impact and quality.

As Chairperson of the Judging Panel, I had the privilege of working with a highly competent panel of assessors and judges, and looked at many remarkable ICT talent and their inventions this back-to-normal year. I sincerely hope that the awards will continue to flourish, and that more original IT products and services will be created to benefit businesses and society as a whole.

本人很榮幸成為「2023香港資訊及通訊科技獎：商業方案獎」評審委員會主席。一如以往，本年度參賽作品的質素及水準之高，讓一眾評審印象深刻。

眾所周知，資訊科技對於提高商界企業以至整個社會的營運效率和生產力，以及令香港保持競爭優勢，都起着至關重要的作用。「2023香港資訊及通訊科技獎：商業方案獎」為本地公司及團體提供一個廣獲認同的平台，展示其有助提升商界企業及公營機構效能的優秀產品。

我們非常高興看到今年的比賽有眾多公司參與，特別在商業方案獎類別。今屆本類別三個範疇 — 商業及公營機構、中小企業和新興科技 — 收到不少令人鼓舞之參賽作品。經嚴格評審，基於五項評審準則 — 創意、功能、市場潛力、影響力和質素 — 優秀作品最終脫穎而出。

身為評審委員會主席，我有幸與一支專業的評審委員團隊合作，見證了今年傑出資訊及通訊科技人員在社會復常下發明的「智能」商業方案優秀作品。我誠摯希望「香港資訊及通訊科技獎」能夠繼續蓬勃發展，激勵更多本地企業創造資訊科技產品和服務，從而惠及商界以至整體社會。

Smart Business Award Judging Panel
商業方案獎評審委員會

Judging Panel 評審委員會
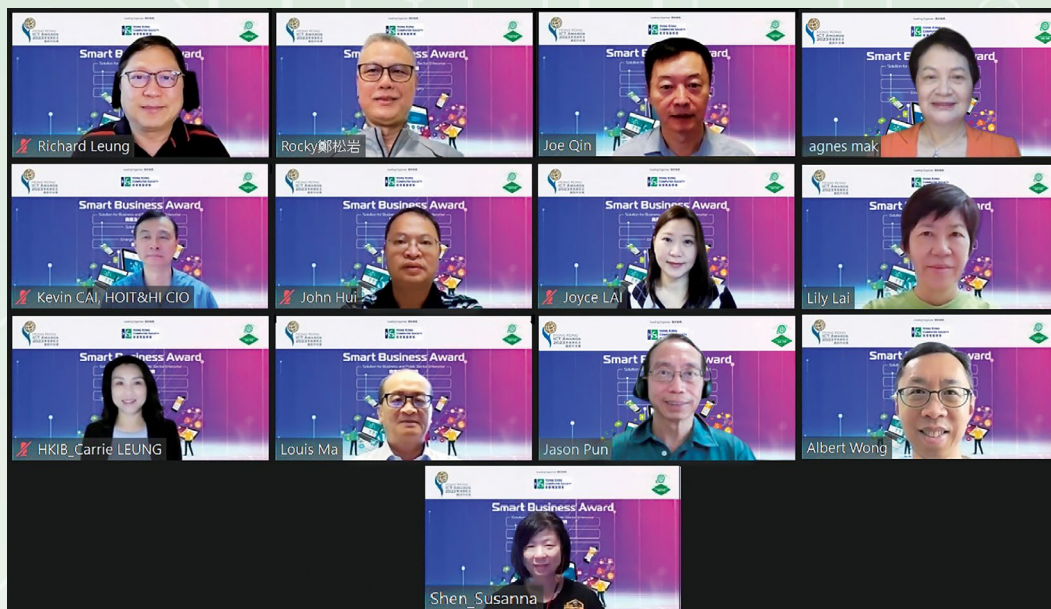
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Smart Business Grand Award
and Smart Business (Emerging Technologies) Gold Award
商業方案大獎
及 商業方案（新興技術）金獎

Optix Solutions Limited / MTR Corporation Limited
Revolutionizing Quality Control and Assurance in the Construction Industry Using AI

Our product, Intrinsity, is an advanced AI text analytics tool designed to automate the approval process with exceptional accuracy, emulating the judgements of industry professionals. With its high standards and revolutionary breakthrough, Intrinsity is set to transform quality assurance in the construction industry. By harnessing the remarkable capabilities of artificial intelligence and natural language processing, this pioneering tool enables fully automated, real-time, unaided, and unbiased analysis of every site inspection document to identify potential issues and discrepancies.

This tool eliminates human vulnerabilities that have long plagued manual assurance processes, including biases, fatigue, and distraction. Critical inspection records will no longer be subject to errors arising from human limitations. The tool's statistical and knowledge-driven techniques facilitate comprehensive evaluation of the inspection records. Its self-learning capacity drives continuous capability enhancement for analyzing complex technical content with immense variances. These smart and intelligent features assure risks are mitigated, efficiency is boosted, and quality standards are elevated to new heights.

Extensive field-testing with the use of thousands of site inspection documents has demonstrated the tool's immense reliability and promise. The pioneering capabilities honed in this tool can be adapted to streamline assurance processes across different industries like safety audits, insurance claims, and more, enabling organizations to improve the assurance outcomes, enhance productivity, and extract deeper insights at scale.

As a locally developed and cost-effective innovation, this tool signifies a momentous achievement set to deliver enormous value. It represents a technological advancement that will fundamentally shape assurance processes at an affordable price with an overall outcome that will benefit organizations and the society as a whole. This AI text analytics tool ushers in the future of assurance.

Optix Solutions Limited / 香港鐵路有限公司
徹底提升建造業質量管控 — 人工智能覆檢系統

Intrinsity人工智能覆檢系統是專為覆檢程序自動化而開發的創新解決方案。該系統利用多個機器學習模型和自然語言處理模型，模擬專業人士對不同報告的審批判斷。在建造業質量管控的場景下，它整合了建造業的專業知識和大數據統計分析能力，並具備自我學習功能。Intrinsity人工智能覆檢系統顯著消除了人為偏見和其他導致人為錯誤的因素。它能夠準確審批和複檢報告中專業且複雜的文字內容。該系統已成功處理了數萬份真實的工地測量報告，結果非常可靠和令人滿意。這項創新解決方案徹底改進了建造業質量管控的操作流程，為業界帶來了巨大的質量提升。同時，這種全新的人工智能技術還可以擴展到其他行業的不同應用領域，例如覆檢安全檢查記錄和審批保單賠償等。作為一種本地開發且成本效益突出的人工智能工具，Intrinsity人工智能系統為各行各業帶來了巨大的價值，並為整個社會帶來了顯著的效益。

Comments from Judging Panel
評審委員會評語

This entry demonstrates good use of technology elements through an analytical framework that integrates AI (classification, NLP), probability analysis and recommendation engine. In essence, its main function is to examine Request for Inspection/Survey Check (RISC) Forms and ascertain if the overall assessment (i.e., pass or fail) is in alignment of the detailed assessment/observations made by front-line workers and supervisors. Market potential is good as it can be applied to all types of projects that involve monitoring and reporting of quality assessment through RISC Form.

這個項目透過整合人工智慧（分類、自然語言處理）、機率分析和推薦引擎的分析框架，展示了科技元素的良好應用。其主要功能是查驗"檢查及測量申請（RISC）"表格，並確定總體評估（即通過或失敗）是否與前線人員和監督員所進行的詳細評估/觀察一致。此項目具有巨大的市場潛力，因為它可應用於所有需要透過RISC表格進行質量評估監控和報告的項目。

Smart Business (Emerging Technologies) Silver Award
商業方案(新興技術)銀獎

Insilico Medicine Hong Kong Limited
PandaOmics

PandaOmics is a powerful generative AI software specifically designed for therapeutic target and biomarker discovery. It comprises over 20 models produced using generative AI techniques and human expert validation. PandaOmics employs multi-omics and text data with its generative AI methodologies to identify novel targets. Additionally, PandaOmics features a natural language Q&A system for life science information built on knowledge graphs. These graphs are created using transformer-based natural language processing models applied to scientific publications, clinical trials, and grant applications related to target-disease associations. With the capability to score and rank the targets based on novelty, credibility, drug-likeness, safety, and other key target selection drivers, the platform is designed to aid researchers in identifying potential therapeutic targets and biomarkers more effectively and conveniently. Utilizing state-of-the-art AI technology, PandaOmics is equipped to uncover new drug targets that cannot be identified using traditional methods or other target discovery platforms, thus enhancing the competitive landscape for popular R&D drug targets.

英矽智能
PandaOmics

PandaOmics靶點識別引擎由超過20種預測模型和生成生物學模型搭建而成，集成千萬級組學數據樣本、百萬級分子信息和數十萬級分子相互作用機制等數據。不但可支持專業的靶點篩選、排序和分析，還具有針對生命科學信息的自然語言問答系統和將疾病、基因及藥物相聯系的知識圖譜功能。該平台通過對新穎性、可信度、可操作性、成藥性、安全性和其他驅動靶點選擇的關鍵屬性進行評分和排序，旨在幫助研究人員以更有效和便捷的方式確定潛在的治療靶點和生物標誌物。采用最先進的 AI 技術，PandaOmics能夠發現利用傳統方法或者其他AI公司平台無法發現的全新藥物靶點，改善在熱門研發藥物靶點上存在的賽道擁擠、競爭激烈、同質化嚴重等現象。

Comments from Judging Panel
評審委員會評語

This entry demonstrates innovative use of technologies (e.g., NLP, Big Data) on application that has notable impact to the pharmaceutical industry (and for that matter, the community). It facilitates the drug discovery process such as biological target discovery and indication expansion and prioritisation. It shows good market potential and growth potential as demonstrated by the number of companies and business partners using PandaOmics.

這個項目展示了創新技術（例如NLP、大數據）的應用在藥物行業（以及社會）中的重要影響。它促進了藥物研發過程，如生物標靶發現、指示擴展及優先排序。根據使用PandaOmics的公司和商業合作夥伴的數量可展示了它良好的市場和增長潛力。

XenseTech Limited
XenseRay - Wire Rope Supervisory System

XenseRay revolutionizes wire rope inspections with its accurate, objective, repeatable, and real-time solution. Traditional visual inspections often overlook hidden internal damages, posing potential safety risks. This innovative solution addresses these limitations by utilizing cutting-edge Giant Magneto-Impedance (GMI) sensors based on the Metal Magnetic Memory (MMM) Effect, which tracks magnetic field changes on the wire rope to identify defects and their positions, enabling accurate monitoring of wire rope conditions.

Recognizing common damages like broken wires, rusting, peening, and rope deformation, the solution provides comprehensive assessment. Its user-friendly interface enables easy operation, even for individuals without professional expertise in the field. It generates standardized reports, illustrating damage levels, positions, and angles. This empowers safety management teams to make accurate and prompt decisions on rope replacement, significantly enhancing safety and preventing avoidable incidents.

In addition, XenseRay can be tailor-designed to cater to different needs, accommodating various diameters of wire ropes. This ensures that the system can effectively address the diverse requirements of different projects, including the growing trend of Modular Integrated Construction (MiC) projects. This is particularly relevant in Hong Kong, where the construction of Light Public Housing using MiC has gained significant traction. Ensuring the proper condition of wire ropes in MiC projects is of utmost importance, as any potential issues or failures can have serious implications.

Extensive research has identified optimal installation locations to enable a 24/7 monitoring of wire rope on tower cranes with user-friendly and secure installation modules. The installation process has been streamlined to minimize downtime and disruption at construction sites, facilitating easy installation and removal.

XenseRay represents a significant advancement in wire rope inspection technology, offering a comprehensive solution for enhanced safety and efficiency. By combining cutting-edge algorithms, user-friendly interfaces, and ongoing research, XenseTech has developed a game-changing innovation that sets new standards in the industry.

XenseTech Limited
XenseRay - 鋼索檢測系統

XenseRay革新了鋼索檢測,提供準確、客觀和可靠的解決方案。傳統的目測方式無法發現鋼索內部的損傷,埋下了安全隱患。XenseRay利用金屬磁性記憶(MMM)效應,應用巨磁阻抗(GMI)感測器讀取鋼索的磁場變化,從而準確識別損傷及其位置,實現對鋼索狀態的監測。

XenseRay能夠識別的損傷包括斷絲、生鏽、扁平化和繩索變形。此外,XenseRay的操作簡便且人性化,即使沒有相關專業知識,也能輕鬆操作。檢測生成的報告清晰呈現鋼索損傷的程度、位置和角度,確保正確更換鋼索,避免意外事件發生。

XenseRay提供多種型號,適用於不同尺寸的鋼索,以確保在各種場景下的安全施工。例如,在組裝合成建築法中,鋼索的狀態對工地安全至關重要。我們已經確定了最佳的安裝位置,實現對塔式起重機上鋼索的全天候監測。此外,我們還優化了安裝流程,以減少工地停工時間。

XenseRay代表了鋼索檢測技術的重要進展,為行業提供更安全、更高效的解決方案。未來,XenseTech將繼續推動技術的發展,為行業帶來更多創新,提升安全性和效率。

Comments from Judging Panel
評審委員會評語

This entry demonstrates use of innovative technology (Metal Magnetic Memory) for addressing an industry pain point of examining stress condition and stress concentration zone of steel rope in the build environment where steel rope has a variety of composition, shape and structure. Understanding the stress condition and stress concentration zone is important in that corrosion, fatigue and creep processes are develop most intensively in a concentration zone. The use case can potentially be expended to other types of metal objects (e.g., power cables, utilities cables, pipelines).

It was suggested by the applicant that this entry is novel (using MMM to examine steel rope) in Asia. However, it is noted that in other jurisdictions (Malaysia) MMM has been used for examining pipelines facilities and therefore the entry has been considered with a specific focus of steel rope examination.

這個項目展示了創新技術(金屬磁性記憶)在解決鋼索在建築環境中檢測應力狀態和應力集中區的行業痛點方面的應用。在建築環境中,鋼索的組成、形狀和結構各異。由於鋼索腐蝕、疲勞和蠕變過程多集中在集中區域,所以了解應力狀態和應力集中區域至關重要。這種應用案例有可能擴展到其他類型的金屬物體(例如電力電纜、公用事業電纜、管道)。

申請人提出這個項目在亞洲地區是新穎的(使用金屬磁性記憶技術檢測鋼索)。但於其他司法管轄區(如馬來西亞),金屬磁性記憶技術已被應用於檢測管道設施,因此這個項目只被考慮為特定鋼索檢測。

Smart Business (Emerging Technologies) Certificate of Merit
商業方案(新興技術)優異證書

HKU SPORT AI LABORATORY

Sport AI Lab, Department of Electrical and Electronic Engineering, The University of Hong Kong
Public Security Abnormal Detection System using Artificial Intelligent MGF Network

The public security abnormal detection system uses AI and deep learning to detect abnormal situations and behavior, which can often help to prevent accidents and deter criminals. Our inventions are deployed in children's centers, swimming pools, public transport, and exhibition centers to enhance public safety and security. For example, it can also be used for the security assurance of mass events. When abnormal situations happen in the event, the system can automatically detect and track the abnormal locations so that the security guard can make timely responses to ensure the safety of the participants.

香港大學電機電子工程系運動人工智能實驗室
利用人工智能MGF網絡的公共安全異常檢測檢測系統

該異常檢測檢測系統利用人工智慧和深度學習來檢測異常情況和行為,通常可以幫助預防事故並威懾犯罪分子。我們的發明應用於兒童中心、游泳池、公共交通和展覽中心,以增強公共安全。例如,這可用於群體性事件的安全保障。當活動發生異常情況時,系統可以自動偵測並追蹤異常位置,以便保全人員及時做出反應,確保參與者的安全。

Comments from Judging Panel
評審委員會評語

This entry demonstrates good use of innovative technology elements including skeleton-based human pose recognition, context-based video analytics on continuous moving video frames, and identification and labelling of intended actions based on the analysis of multiple (rather than single) video frames. Market potential is good as it can be applied to a wide range of use cases such as monitoring of elderly safety and crowd control with no privacy issue (as only "skeleton" instead of a full image of an individual is used).

Also, MGF Network for AI Abnormal Detection had won two Grand Awards and a Gold Award in the Geneva Invention 2023.

這個項目展示了創新技術元素的良好應用,包括基於骨骼的人體姿態識別、基於上下文的連續移動視頻幀分析、以及基於多個視頻幀的分析來識別和標註意圖行為(不僅是單個視頻幀)。這個方案具有良好市場潛力及可應用於廣泛情況,如監控老年人的安全和人群控制,而不會引發隱私問題(因為只使用了"骨骼"而不是個人的完整圖像)。此外,MGF Network for AI Abnormal Detection在2023年日內瓦發明展上獲得了兩個大獎和一個金獎。

Smart Business (Emerging Technologies) Certificate of Merit
商業方案(新興技術)優異證書

MediaPlace Limited
MediaLens

Discover MediaLens, our groundbreaking data-driven analytics system infused with machine learning expertise. With a track record of monitoring over 38,000 social profiles, analyzing 23 million+ social media posts, and assessing HK$3.2 billion+ in ad value, MediaLens is your trusted strategic partner for optimizing social media ROI.

Unleash the full potential of your social media strategy with our holistic data-driven insights, including Ad Intelligence, trend predictions, influencer analysis, and competitor insights. And now, MediaLens features Generative AI capabilities to empower your social media content with predictive performance insights. Join us on this exciting journey to harness the power of social media like never before.

突破性數據驅動分析系統 MediaLens，融合了機器學習專業知識。憑藉超過 38,000 個社交檔案的監測記錄，分析超過 2300 萬條社交媒體帖子，並評估逾港幣 32 億元的廣告價值，MediaLens 成為你信賴的社交媒體戰略夥伴，優化社交媒體投資回報率。

MediaLen具備全面數據驅動洞察力，以更各項功能全面追蹤品牌市場推廣策略及成效。MediaLens亦加入生成式人工智能功能，讓你預測帖文在社交媒體的傳播度及表現作預估，利用社交媒體的力量，前所未有地發揮潛力。

Comments from Judging Panel
評審委員會評語

This entry demonstrates good use of prediction engine, big-data and dashboard for addressing common pain points experienced by marketing professionals. This "Ad-tech" can analyse the number of engagements (i.e., hits) and value-added, differentiate between paid-posts and non-sponsored posts, examines effectiveness of a particular marketing means, generate recommendations for improving the number of hits; and predict hit-rates. It can be used to help formulate a data-driven marketing plan.

這項方案展示了預測引擎、大數據和儀表板的良好應用，以應對市場營銷專業人員常見的痛點。這種"廣告技術"可以分析參與度(即點擊數量)和增值情況，區分付費帖子和非贊助帖子，檢視特定營銷手段的效果，生成改進點擊數量的建議，並預測點擊率。它可以用於幫助制定基於數據的營銷計劃。

Smart Business (Solution for Business and Public Sector Enterprise) Gold Award
商業方案(商業及公營機構)金獎

Hospital Authority
Hospital Command Centre

The Hospital Authority has been actively developing Smart Hospitals with a strong focus on innovation and technology adoption. Hospital Command Centre (HCC) is one of the flagship Smart Hospital initiatives that focuses on leveraging data to provide situation awareness and operational intelligence to enhance operational efficiency, service quality and patient experience throughout the entire patient journey. From patients' arrival at the Accident & Emergency (A&E) to admission, ward stay, transfer to Convalescence/ Rehabilitation (C/R) Hospitals or discharge, the HCC provides timely and accurate information to support decisions; and therefore improves patient-centric service and outcomes.

The three functional areas of HCC, namely clinical, capacity and resource management, monitor patient and related resources in real-time to assist staff in making rapid and informed decisions. The HCC consolidates scattered data and manual records into electronic dashboards, in a real-time manner, providing valuable insight to facilitate staff collaborative work.

Queen Elizabeth Hospital (QEH) was the first hospital to implement the HCC, which has achieved significant outcomes. These include the reduced average discharge processing time from QEH to C/R Hospitals by 29% (from 3.5 hours to 2.5 hours) and A&E admission waiting time by 24% (from 9.9 hours to 7.5 hours). The HCC not only enhances intra and inter-hospital operational intelligence and efficiency, but also improves patient experience, successfully driving digital healthcare transformation.

醫院管理局
醫院指揮中心

醫院管理局近年積極發展智慧醫院,廣泛採用創新科技。醫院指揮中心是智慧醫院的旗艦計劃之一,醫護人員透過數據可實時掌握醫院營運相關資訊,以提高營運效率、改善服務質素及優化病人體驗。由病人抵達急症室到入院、住院、轉送至復康醫院或出院,醫院指揮中心致力提供及時且準確的信息,支持管理及營運決策,從而提升病人服務和醫療成果。

醫院指揮中心三個主要功能範疇:臨床作業管理、床位流量管理和資源調配管理,實時監察病人狀況及相關資源,協助醫護人員快速地作出明智決策。系統把數據及人手記錄即時整合於電子儀表板,提供了寶貴的資訊及分析,促進同事間的協作。

伊利沙伯醫院是首間醫院試行醫院指揮中心,系統實施後取得顯著成效,包括減少了病人轉至復康醫院的平均處理時間達29%(從3.5小時縮短至2.5小時)和急症室等候入院的時間達24%(從9.9小時縮短至7.5小時)。醫院指揮中心不但提升了醫院的營運智能和效率,亦改善了病人體驗,成就智慧醫療的轉型。

Comments from Judging Panel
評審委員會評語

The Hospital Command Centre (HCC) built by Hospital Authority (HA) was put in operation in June 2021. HCC helps to optimize the admission flow of patients (demand) and the release of ward bed (supply) by means of IoT sensors and technology, process automation, workflow and task assignments. HCC provides dashboards that visualizes the admission and discharge in sub-stages which alerts clinical staff the bottleneck and overdue processes for staff to take appropriate actions. Not only does it facilitate monitoring and control in various dimensions such as ward, bed and patients, it also predicts the incoming demand based on past data via AI models so that staff can plan ahead on the handling capacity.

醫院管理局(HA)建立的醫院指揮中心(HCC)於2021年6月投入運營。HCC通過物聯網傳感器和技術、流程自動化、工作流程和分配,幫助優化患者的入院流程(需求)和病床的釋放(供應)。HCC提供可視化的入院和出院情況的儀表板,提醒工作人員瓶頸和超時狀況,以便採取適當的行動。它不僅有助於在病房、床位和患者等各個層面進行監察和控制,還可以通過AI分析過去的數據預測未來的需求,使工作人員能夠提前計劃處理能力。

Smart Business (Solution for Business and Public Sector Enterprise) Silver Award
商業方案(商業及公營機構)銀獎

Hong Kong Productivity Council / Civil Engineering and Development Department / Hyder-Meinhardt Joint Venture
Autonomous Air-ground Cooperative Tunnel Inspector

Hong Kong Productivity Council, Civil Engineering and Development Department and Hyder-Meinhardt Joint Venture have co-developed the world's first autonomous air-ground cooperative tunnel inspector. With the synergy of Artificial Intelligence (AI), robotics and total-station positioning techniques, the air-ground cooperated robotic system will be employed in the Trunk Road T2 and Cha Kwo Ling Tunnel project to carry out all necessary tunnel inspections, covering tunnel linings and various tunnel internal structures - bringing intelligence, automation and digital advancement to tunnel inspection in Hong Kong.

The Autonomous Air-ground Cooperative Tunnel Inspector aims to minimize the deficiencies and drawbacks inherited from traditional manual inspection of tunnel structures. Without assigning additional workers and substantive working platforms, the intelligent robotic system can automatically collect high-resolution images and achieve full autonomy in detecting different defects on the internal surface of the tunnels instantly on-site, such as concrete cracks, concrete spalling and water leakage on tunnel linings, thermal barriers, vitreous enamel panel claddings and carriageway paving.

Three state-of-the-art techniques are applied in this system: edge-computing technology to achieve on-site AI inspection; heterogeneous multi-robot cooperation based on Unmanned Ground Vehicle (UGV) and Unmanned Aerial Vehicle (UAV) to achieve full inspection coverage in tunnels, and integration with automated total stations to achieve global localization in a non-GPS area. In addition, by providing the HK local coordinates of the captured images and digitalizing the tunnel inspection records, the system provides an automatic and intelligent upgrade to future tunnel maintenance for smart asset management.

香港生產力促進局/ 土木工程拓展署/ 安誠-邁進聯營顧問公司
地空協同隧道自動檢測系統

香港生產力促進局與香港特別行政區政府土木工程拓展署及安誠—邁進聯營顧問公司合作開發了世界首個地空協同隧道自動檢測系統。系統採用人工智能、機器人技術和全站儀定位技術,將應用于T2主幹路及茶果嶺隧道工程的安全巡檢和維護,爲香港的隧道檢測帶來智能、自動化和數碼化的發展。

系統是為隧道檢測情況的不足和缺點而開發的。無需額外分配大量工作人員和工作平臺仍可自動採集隧道高清圖像,自動檢測隧道內部表面結構的不同缺損,例如隔熱板、釉瓷內牆面板和行車道鋪設的混凝土裂紋及剝落等,全方位覆蓋檢測範圍。

系統應用三種最先進技術:以邊緣計算技術來實現現場人工智能缺損檢測,以異構多機器人協作實現檢測範圍全面覆蓋,以及使用自動化的全站儀實現在非GPS的區域內獲取本地坐標系的精確定位。此外,基於無人車與無人機的地空協同的突破,該系統能提供圖像在香港本地坐標系的精確位置,將隧道質量監控數字化,爲未來隧道維護提供自動化、智能化升級。

Comments from Judging Panel
評審委員會評語

An innovative solution to replace human inspection on construction detects in a tunnel environment by integration of AI, mobile Edge, drone camera and positioning technologies. The whole solution disrupted the traditional visual inspection by engineers. It employs visual capture as well as infrared imaging to detect cracks and defects on the tunnel wall in a real-time manner via the AI Edge built with AI model to recognize defect characteristics. Since GPS signal could be absent in the tunnel enclosure, AprilTags are utilized to build the tunnel map via UGV and UAV. With the map built, localization of UGV and UAV can be obtained during the defect inspection and positioning. The onsite inspection can be carried out 5 times faster than traditional method. What's more, it is smarter and safer plus less constraints. It is expected this solution has a huge potential in other industries.

這是一種創新的解決方案,通過整合人工智能、移動邊緣、無人機攝像頭和定位技術,取代在隧道環境中的人工建築檢測。整個解決方案打破了工程師對傳統視覺檢查的方式。它利用視覺捕捉和紅外成像實時檢測隧道壁上的裂縫和缺陷,通過搭載AI模型的AI Edge識別缺陷特徵。由於隧道內可能未能接收GPS信號,使用AprilTags通過UGV和UAV建立隧道地圖。通過建立地圖,可以在缺陷檢測和定位過程中獲得UGV和UAV的定位信息。現場檢查速度比傳統方法可快5倍。此外,它更智能、更安全,且受限制較少。預計這個解決方案在其他行業具有巨大的潛力。

Smart Business (Solution for Business and Public Sector Enterprise) Bronze Award
商業方案(商業及公營機構)銅獎

Hong Kong Applied Science and Technology Research Institute Company Limited / Electrical and Mechanical Services Department

Light-weight Adaptive IoT Intrusion Detection and Prevention System (IDS/IPS) enabled by AI

In traditional infrastructure, there are many products protected by mature commercial IDS/IPS solutions. However, most products need to be deployed on datacenter or stable environment. Those equipment licensing, power cost, hardware let SMEs or home users difficult to afford.

The innovation of this solution focuses on IoT edges protection by lightweight IDS/IPS and deployed as a gateway or working side by side with the gateway (like LoRaWAN gateway in this case). It can use low cost and less professional knowledge in cybersecurity to handle lightweight IDS/IPS and deploy on SME or home user. Also, we had researched and developed unique machine learning algorithm for network traffic behavior identification, and rule selection algorithm for selecting the optimal rulesets from statistics of network traffic behavior.

Lightweight IDS/IPS device is deployed beside the LoRaWAN gateway. First is to execute intrusion detection and prevention continuously by an engine with the deployed specifications. If any intrusion attack is detected, the related prevention actions will be triggered to execute via the LoRaWAN gateway to block the attack and alert the related users. Second is the adaptive update of the specifications hourly by machine learning algorithm which is running in the backend Data Model Server. The device analyses and computes the feature coefficients of the network traffic and send back to the Data Model Server for pattern matching with the relevant specifications. To minimize the transmitted data size, the device will only send the coefficients of features to the Data Model Server for specification selection, instead of sending all network traffic.

In the use case, we have deployed on EMSD (Electrical and Mechanical Services Department) GWIN (Government-Wide IoT Network) environment to protect LoRaWAN gateways and sensors, and also enhance IoT LoRa gateway cybersecurity. Hopefully, the IDS/IPS can be developed in other industries in the future.

香港應用科技研究院有限公司 / 機電工程署
AI 賦能輕量級可適應性物聯網入侵檢測防禦系統

Sensor Layer　　Gateway Layer　　Application
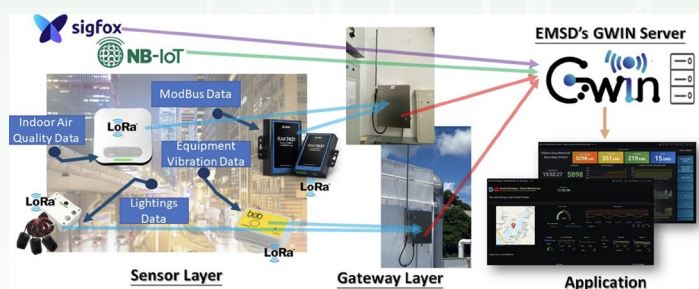
在傳統基礎設施中,有許多產品受到成熟的商業IDS/IPS解決方案的保護。然而,大多數產品需要部署在資料中心或穩定的環境中。那些設備許可、電力成本、硬體讓中小企業或家庭用戶難以負擔。

此解決方案的創新重點是透過輕量級 IDS/IPS 進行物聯網邊緣保護,並將其部署為網關或與網關並行工作(如本例中的LoRaWAN 網關)。它可以利用網路安全方面的低成本和較少的專業知識來處理輕量級的IDS/IPS並部署在中小企業或家庭用戶上。此外,我們還研發了獨特的網路流量行為辨識的機器學習演算法,以及用於從網路流量行為統計中選擇最優規則集的規則選擇演算法。

在使用案例中,我們部署在機電工程署GWIN(政府範圍的物聯網網路)環境中,以保護LoRaWAN網關和感測器,並增強物聯網LoRa網關的網路安全。希望未來IDS/IPS能夠在其他產業發展。

Comments from Judging Panel
評審委員會評語

The solution offers a practical approach to protect IoT edges, which are becoming more exposed to intrusion, by lightweight IDS/IPS that is enabled by AI technology. Patents has been filed. The AI applies on pattern matching and machine learning algorithm that will continuously update (hourly based) the IDS/IPS device for the LoRaWAN gateways. There are 8,000 premises facilitated by 450 gateways in the GWIN which are exposed to public attack and should be protected. The solution is the last defence for the IoT LoRa gateway for the entire GWIN metropolitan network.

這項解決方案提供了一種實際的方法來保護物聯網邊緣設備,這些設備越來越容易受到入侵的威脅,可透過啟用人工智慧技術的輕量級IDS/IPS實現。相關專利申請已經提交。此人工智慧應用於模式匹配和機器學習演算法,將以每小時為基礎不斷更新IDS/IPS設備的LoRaWAN網關。政府範圍的物聯網網路(GWIN)中,有8,000個設施由450個網關提供支持,這些設施容易受到公開攻擊,需要保護。這項解決方案是整個GWIN都市網路中物聯網LoRa網關的最後防線。

Smart Business (Solution for Business and Public Sector Enterprise) Certificate of Merit
商業方案(商業及公營機構)優異證書

Cityray Technology (China) Limited
Cityray Workforce Management and Benefits Solution for Hotel Industry

Cityray's Workforce Management and Benefits Solution for the Hotel Industry is a comprehensive solution that revolutionizes human resource management in the hotel sector. By leveraging innovative technologies, it streamlines system workflows, enhancing efficiency and accuracy, specifically tailored to meet the immense human resource demands of the industry.

An effective human resource management plays a pivotal role in the hotel industry. Our solution offers a diverse range of functionalities to address the day-to-day operational needs of hotel enterprises, encompassing data management, compliance management, project management, and more. For HR professionals, this translates into more time and resources available to dedicate to other tasks, while simultaneously reducing manual errors and calculation delays. These versatile capabilities empower hotel businesses to overcome the challenges they encounter in human resource management.

The comprehensive Workforce Management and Benefits Solution for the Hotel Industry significantly enhances governance efficiency across various aspects of your organization. Not only does it streamline administrative processes, but it also helps establish a strong employer brand, augmenting your company's image and reputation. As a result, your company's appeal is heightened, contributing to talent attraction and retention.

施特偉科技 (中國)有限公司
施特偉酒店業勞動力管理及薪酬方案

施特偉酒店業勞動力管理及薪酬方案是一個全面的解決方案,為酒店業的人力資源管理帶來革命性的變革。透過創新技術簡化系統工作流程,提高了效率和精確性,特別針對酒店行業的龐大人力資源需求。方案提供不同功能以滿足酒店企業的日常運作,例如數據管理、合規管理、項目管理等。系統多元化的功能,以協助決酒店業在人力資源管理上面對的難題。對於HR而高,意味著有更多的時間和資源處理其他任務,同時減少人為錯誤和計算的延遲。完善的施特偉酒店業勞動力管理及薪酬方案從多方面改善企業的管治效能,不但減少行政時間,更能建立良好僱主品牌,幫助提高公司的品牌形象和聲譽,從而提高企業吸引力,有助於吸引人才。

Comments from Judging Panel
評審委員會評語

As claimed, the HRMS is built and runs on a no-coding "AQUA" platform. The AQUA platform is designed in Hong Kong and developed in Shenzhen. Most of the effort is spent on customer installation is to customize and adopt HR policies, to build rules for salary calculation, to include causal labours (a headache for most of the hotel) in rostering and to build workflow and UI/UX interfaces. It is demonstrated that the "Auto Approval" process with "Exception" review as employed by customers is the key to achieve operational efficiency. Cityray captures almost one-third of the 5-star hotels and one-fifth of the hotels in Hong Kong which is quite a credential to speak for its HRMS solution. Time to deploy and ease of use clearly stands out in the competition.

據施特偉科技稱,這個人力資源管理系統(HRMS)建立及運作在無需編碼的"AQUA"平台上。AQUA平台在香港設計,並在深圳開發。大部分資源用於客戶安裝上的人力資源政策定制和應用,建立薪資計算規則,將臨時工(對大多數酒店來說是一個頭疼的問題)納入編更,以及建立工作流程和使用者界面。這展示了以"自動審批"流程和"例外"審查是實現運營效率的關鍵。Cityray在五星級酒店市場中占據了近三分之一的份額,以及五分之一的酒店市場份額,這證明HRMS解決方案的可信度。在競爭中,部署時間和使用便捷性顯然是突出的優勢。

Smart Business (Solution for Business and Public Sector Enterprise) Certificate of Merit
商業方案(商業及公營機構)優異證書

EPISODE Limited
EVENT 3.0 - Events & Exhibitions System

One-stop exhibition event system manages local and overseas exhibitions, seminars, dinners, and online RSVP real-time synchronous processing Send invitations online, record guests' arrival destinations, and simply use a tablet computer at the exhibition venue Cooperate with QR-Code/NFC/RFID Check-In attendance registration and real-time nameplate printing, etc., and then report on the real-time status of various activities in the exhibition venue, as well as the virtual exhibition platform and exclusive application programs and webpages.

The system can perfectly solve the information and data management of a large number of exhibitors, co-organizers, guests and participants, as well as a large number of staff in various large-scale local and overseas exhibitions, and comprehensively manage the entire process of the exhibition. Real-time online synchronous distance monitoring. The system will be developed and applied to many large local commercial and public institutions, government departments and educational groups by 2020. In the past year, the application market has expanded from the local market to North America, Europe and Southeast Asia.

EPISODE Limited
EVENT 3.0 展覽活動系統

一站式展覽活動系統管理本地以至海外地區各大少型的展覽活動,研討會議,晚宴,線上RSVP實時同步處理由網上發送邀請,嘉賓抵達目的地記錄,到展覽活動場地簡單使用以平板電腦配合QR-Code/NFC/RFID Check-In出席登記及即時名牌打印等,再到展覽場地各種活動項目實時狀況報告,以至虛擬展覽活動平枱及專屬應用程式及網頁架設。系統能完滿解缺了各大少型本地以至海外展覽活動中,需要處理海量參展商,協辦單位,賓客與會人士,以至大量工作人員的訊息數據管理,與及綜合統一管理整個展覽活動流程運作,實時在線同步搖距監控。系統由2020年完成開發並應用到本地多個大型商業及公營機構,政府部門以至教育團體等。而於去年間,應用市場更由本地擴展至北美,歐洲及東南亞市場。

Comments from Judging Panel
評審委員會評語

The event management suite and its platform offers comprehensive features, among those, the virtual exhibition caters for business needs during pandemic period. It integrates with payment gateway for online registration from end to end with straight through processing. It has built-in analytics engine that enables business matching in the client's exhibition arena. It is also customizable to suit highly demanding customers with global branding needs across regions. Within 5 years from its launch version 1.0 up to current version 3.0, it has captured a substantial market share that demonstrates its competitive edges over other players in the market.

該活動管理套件及其平台提供全面的功能,其中虛擬展覽是在疫情期間滿足了商業需求的一項重要功能。它與支付網關集成,實現了從線上註冊到端到端的一站式流程。它具有內置的分析引擎,可以在客戶的展覽場地進行商務配對。同時,它還可以根據高度要求的客戶需求進行定制,滿足全球品牌需求。從1.0版本的推出到目前的3.0版本的5年內,它已經佔據了可觀的市場份額,顯示出它在市場上與其他競爭者相比的競爭優勢。

Smart Business (Solution for SME) Gold Award
商業方案(中小企業)金獎

eRun Systems Limited
eRun Total Experience Solution for Retail SMEs

eRun POS · CRM · ERP

eRun's mission is to empower SMEs by closing the technology gap between them and large corporates. Our objective is to provide SMEs with enterprise-level solution in an affordable price so as to free them up to concentrate on vital business activities.

eRun's Retail Management Solution (RMS) for SMEs has the following characteristics:
1. It is a **total experience solution** that lets retailers engage with customers on multichannels;
2. It carries the **same UI on any device** customers or employees use;
3. It runs on **any platforms** : Windows, iOS, Android and Harmony OS;
4. It applies to **any retail businesses** : all nature of retail business, F&B, and mixed mode of food+retail or retail+food;
5. It runs **totally on cloud**, or local, or hybrid so that the solution can be accessed **anytime anywhere**;
6. It provides comprehensive **API** functions for linking up **any third party applications** such as payment gateways, ERP and order platforms;
7. It provides **real time** information for SME managements to make sound decision efficiently;
8. It is absolutely **user friendly**, we offer the best floor plan in the market and the most informative dashboard in town;
9. It offers **green** practices such as e-receipts, e-payments, and kitchen display systems, helping retailers save costs and improve public image;
10. It protects customer sensitive data with highly **secured encryption**.

營運通系統有限公司
營運通整體體驗零售管理方案

營運通的使命是通過縮小中小企業與大型企業之間的技術差距來增強中小企業的能力。我們的目標是以可承受的價格為中小企業提供企業級解決方案,以便他們騰出時間專注於重要的商務活動。

我們為中小企業而設的零售管理解決方案具有以下特點:
1. 這是一個**整體體驗解決方案**,讓零售商可以通過多渠道與客戶互動;
2. 它在顧客或員工使用的**任何裝置上都帶有相同的UI**;
3. 它可以在**任何平台上運行**:Windows,iOS,Android和華為的鴻蒙操作系統;
4. 它適用於**任何零售業務**:所有性質的零售業務,餐飲業務,餐飲+零售或零售+餐飲的混合模式;
5. 它可以以**全雲**、本地或混合形式運行,因此可以**隨時隨地**登入系統操作;
6. 它提供全面的**API**功能,用於**連接任何第三方應用程式**,例如支付閘道,ERP和外賣平台;
7. 它為中小企業管理層提供**實時**數據,以便有效地做出合理的決策;
8. 它絕對是**使用者友好**的,我們提供市場上最好的平面圖和資訊最豐富的儀表板;
9. 它提供**綠色環保**,如電子收據、電子支付和廚房展示系統以代替打印,節省成本和改善公眾形象;
10. 它通過高度**安全的加密**來保護客戶敏感數據。

Comments from Judging Panel
評審委員會評語

eRun Systems provides unique Total Experience solutions for SMEs, including POS, CRM App, BYOD self-order feature and eShop. Their solutions support retail and F&B businesses running on any device any platform. Table management and rule based engines are their unique strengths.

eRun Systems為中小企業提供獨特的整體體驗解決方案,包括POS、CRM應用程式、BYOD自助訂購功能和eShop,他們的解決方案支援在任何裝置和平台上運行的零售和餐飲業務。餐桌管理和基於規則的引擎是其獨特的優勢。

Smart Business (Solution for SME) Silver Award
商業方案(中小企業)銀獎

Harvest Elite International Limited
VHSHUB

In the past decades, the competitive environment for hotels has shifted significantly, adversely impacting its long-term growth and financial stability.

The accommodation booking landscape is overwhelmed by the vast number of Online Travel Agents (OTA), the combination of hotel bookings dominated by OTAs and extravagant commissions present an unprecedented challenge for all hoteliers.

Finding a way to win back direct guest acquisitions has become a momentous priority. It is critical for hotels to equip themselves with the right solutions and marketing strategies to not just compete, but to flourish in this dynamic digital environment.

VHSHUB is a well-rounded technology solution for hotels to establish new routes on their direct booking journey, using VHSHUB to bridge the digital gap and directly re-engage with B2C and B2B clients.

VHSHUB includes hospitality service tools such as accommodation bookings, F&B solutions, e-Shop and CRM membership system for hotels to directly engage with its customers and build brand loyalty.

In addition, hotels can use VHSHUB B2B system to directly connect with overseas travel agents and offer multiple tiered rate plans. The unique B2B payment solution allows hotels the ability to receive payments immediately, limiting payment issues and cross board payments concerns.

The vision of VHSHUB is to give hotels a competitive edge to regain control of their direct bookings activities and to achieve organic growth,thriving in the ever-evolving hospitality industry.

禧一國際有限公司
VHSHUB

過去幾十年來，酒店的競爭格局發生了重大變化。隨著眾多第三方線上旅行代理商(OTA)持續主導線上預訂市場，OTA 預訂量的增長以及隨之而來的佣金增幅對所有酒店經營者來說都是一個無時不在的挑戰。如何重新贏回直接客源已成為幾乎所有酒店的當務之急。對於酒店來說，關鍵是要為自己配備正確的解決方案和營銷策略，以便在這個充滿活力的數字環境中提升競爭力並贏回客戶的青睞。

VHSHUB是一個全面的酒店電子商務解決方案，具備各項酒店服務功能，如住宿及餐飲預訂、線上商城和CRM會員系統，可幫助酒店重新建立直客銷售，幫助酒店彌合數字鴻溝，於與客戶直接互動並建立對酒店的忠誠度，直接吸引C端客戶。

酒店亦可透過 VHSHUB 的B2B 系統，直接與海外旅行代理商建立聯繫並提供不同等級的房價方案。透過 VHSHUB 獨特的 B2B 跨境支付解決方案，酒店可即時收到訂房款項，無須擔心支付問題。

VHSHUB的願景是提升酒店的競爭力，協助酒店業者重新掌握直客銷售管道，在不斷變化的酒店行業中實現可持續增長。

Comments from Judging Panel
評審委員會評語

Harvest Elite provides solutions for B2B hotels and travel agencies. Their portal provides booking, payment and marketing functions to help hotels expand their markets. They also allow hotels to offer some promotions, such as hotel + theme park. Can help hotels expand their markets regionally at lower costs.

Harvest Elite為B2B酒店和旅行社提供解決方案。他們的平台提供預訂、付款和市場營銷功能，幫助酒店擴展市場。他們還允許酒店提供一些促銷活動，例如酒店+主題公園。可以幫助酒店以較低成本在不同地區內拓展市場。

Smart Business (Solution for SME) Silver Award
商業方案(中小企業)銀獎

Moovup (HK) Limited
Moovup

Moovup is a job platform for front-line positions in Hong Kong and uses AI and machine learning algorithms to match jobseekers with employers. The platform covers 16 industry categories (including retail, restaurants, logistics and property management). Since its launch in 2017, over 1 million jobseekers have searched for jobs on Moovup. Their current average monthly active user is 200,000+. Moovup's passion is to connect front-line jobseekers with more opportunities and to empower and enable them to find new possibilities.

尚進香港有限公司
好工速遞

Moovup好工速遞 是專為前線行業而設的求職平台，利用人工智能和機器學習演算法為求職者與僱主進行配對。平台涵蓋16個行業類別（包括零售、餐飲、物流和物業管理等）。自2017年推出以來，有超過1百萬求職者到訪過平台搜尋工作。平台目前的平均每月活躍用戶數超過 20 萬人。Moovup好工速遞 一直致力為前線求職者提供更多的工作機會，陪伴大家逐步前進，尋找下個可能。

Comments from Judging Panel
評審委員會評語

MOOVUP is a company that provides an online work platform for blue-collar workers. Their new monetization model is a free platform where employers use bidding prices and do not charge transaction fees. They also offer AI solutions with job recommendations.

MOOVUP是一個為藍領工人提供線上工作平台的公司。 他們是以免費平台讓僱主使用投標價格及不收取交易費用的模式獲取盈利。 他們更提供具有工作推薦的AI解決方案。

Smart Business (Solution for SME) Certificate of Merit
商業方案(中小企業)優異證書

Castlers Software Company Limited
C.STAR Digital Service for Global Trade

C.STAR is committed to solving the difficulties in cross-border commerce, aiming to achieve cost reduction and better efficiency through digitalized system and business ecology.

Core values:
1. Sourcing: over 200 million SKU of goods from Taobao Global (official global partner ISV), 1688, and other platforms, plus AI services such as image searching, efficient product selection, and drop shipping.
2. Technical and Operations Support: our IT professional team with 20+ years of experience to provide semi-customized technical services, and with operation team to provide end-to-end digital solutions for cross-border commerce.
3. Customs Declaration and Exchange Settlement services: official licensed Hong Kong government authorized customs declaration e-service provider.
4. Logistics and Warehouse services: adopting a "Uber-like model" to match cost-effective logistics providers on demand. Covering Cambodia, the United Arab Emirates, Great Britain, America and Mexico, with warehouses in Greater Bay Area (Hong Kong, Macau, Guangzhou, Shenzhen, Zhuhai, Dongguan, etc.).
5. Data & System security: adopting cloud based system security measures and provides 24-hour system log analysis and alarm functions.

科鑠軟件有限公司
出海星-跨境商貿數碼服務

出海星致力於解決跨境商貿貨源少、物流慢、報關難、結匯慢等難題，旨在通過高效選品、快速報關、陽光結匯、滴滴式物流等功能，實現降本增效。

核心優勢：
1、貨源與合作資源：整合了淘寶全球、1688等超過2億+貨源，提供圖搜商品、高效選品、一件代發等服務。作為淘寶全球官方合作夥伴、擁有平臺返點資源。
2、技術與市場支撐：依托於我司20年+經驗的IT專業團隊，為客戶提供系統半定製服務，並通過市場運營團隊為跨境電商客戶提供全鏈路數字化解決方案。
3、報關與結匯服務：作為香港政府授權電子報關服務商，以數字化手段實現高效報關。
4、物流與倉儲服務：以「滴滴模式」按需匹配高性價比物流。目前，線路覆蓋柬埔寨、阿聯酋、英美墨等地，同時在大灣區（港澳廣深珠莞）等地設有倉庫，確保貨物高效運轉。
5、全方位安全保障：采用雲端系統安全措施，提供24小時系統醫生（日誌分析）和自動警報功能。

Comments from Judging Panel
評審委員會評語

Castlers Software provides supply chain management solutions that integrate procurement, logistics, billing and ERP systems. Their goal is to provide customers with a one-stop solution, including payment settlement and integration.

科鑠軟件提供供應鏈管理解決方案，整合採購、物流、帳單和ERP系統。他們的目標是為客戶提供一站式的解決方案，包括整合付款流程。

Smart Business (Solution for SME) Certificate of Merit
商業方案(中小企業)優異證書

iMBrace Limited
iMBrace
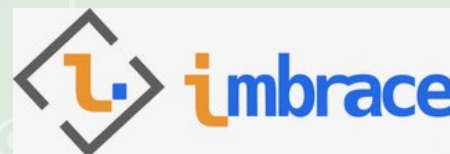
Business has gone from just one off service or product sales to recurring and cross selling and service subscriptions. iTunes, now Spotify, Pay per view, now Netflix. Even Microsoft Office, is now Google Workspace or Microsoft 365.

We are not saying everything shall be subscription based but we shall build long term loyalty relationships with customers. This is key to business growth and continuous engagements is the way to go moving forward. Scaling it is difficult though.

We are a SaaS solution reinventing the old CRM concept with the Engagement 360 cycle. Continuous engagements mean there is only Beginning but no end of a long term relationship. You can achieve business growth and eliminate bottlenecks with iMBrace. iMBrace enables channels such as WhatsApp, WeChat, Telegram, Facebook, Line and many more to connect with databases and business processes, all in a single seamless platform.

Multi-Channel Messaging Platform
Simplify your customer communication with Whatsapp, Wechat, FB, IG, etc.
Segmentation campaigns, our no-code workflow automation in iMBrace, which integrates with popular platforms.

AI Co-Pilot No Code Workflow
Allow automation and seamless connection with other 100+ platforms like Salesforce, Shopify, Google Apps, Microsoft, and Freshdesk. Human AI, software platforms are now seamlessly connected and automated based on your business processes.

Databoard and Stage Automation
A build in easy to setup allows form, information and business stage automation to be all executed. This allows assignment of tasks, contact customers, follow up internally, retrieving and storing information to be all automated, drastically improving efficiencies

Team Assignment
Do not make your digital transformation to be less human. Human decisions are part of the business processes. iMBrace has an enterprise level team structure allowing Uber/ Grab mode, round robin to collaboration.

大括號科技有限公司
iMBrace

業務已從一次性服務或產品銷售轉變為經常性交叉銷售和服務訂閱。iTunes，現在是Spotify，按次付費，現在是Netflix。即使是Microsoft Office，現在也變成了Google Workspace 或Microsoft 365。

我們並不是說一切都要以訂閱為基礎, 但我們應與客戶建立長期的忠誠關係。這是業務成長的關鍵，持續參與是前進的方向。但擴大它是很困難的。

我們是一個SaaS 解決方案，透過Engagement 360循環重塑了舊的CRM概念。持續參與意味著長期關係只有開始，而沒有結束。您可以透過iMBrace 實現業務成長並消除瓶頸。iMBrace 讓WhatsApp、微信、Telegram、Facebook、Line 等渠道能夠與資料庫和業務流程連接，所有這些都在一個無縫平台上實現。

多通路訊息平台
透過Whatsapp、微信、Facebook、IG 等簡化您與客戶溝通。細分營銷活動，我們在iMBrace 中的無程式碼工作流程自動化，它與流行的平台整合。

AI 協同駕駛無程式碼工作流程
允許與Salesforce、Shopify、Google Apps、Microsoft 和Freshdesk 等其他100 多個平台實現自動化和無縫連接。人工智能、軟體平台現在可以根據您的業務流程無縫連接和自動化。

數據板和舞台自動化
易於設定的內建允許全部執行表單、資訊和業務階段自動化。這使得任務分配、聯繫客戶、內部跟進、檢索和儲存資訊全部自動化，從而大大提高了效率

團隊分配
不要讓您的數字化轉型失去人性。人類決策是業務流程的一部分。iMBrace 擁有企業級團隊結構，讓Uber/Grab 模式、循環到協作。

Comments from Judging Panel
評審委員會評語

iMBrace's solution is to integrate front-end tools with back-end systems such as Outlook and WhatsApp. Their platform allows users to manage disparate systems and tools within a single user interface.

iMBrace的解決方案是將前端工具與後端系統整合，例如Outlook和WhatsApp。他們的平台允許用戶在單一的用戶介面中管理不同的系統和工具。

Note
備忘

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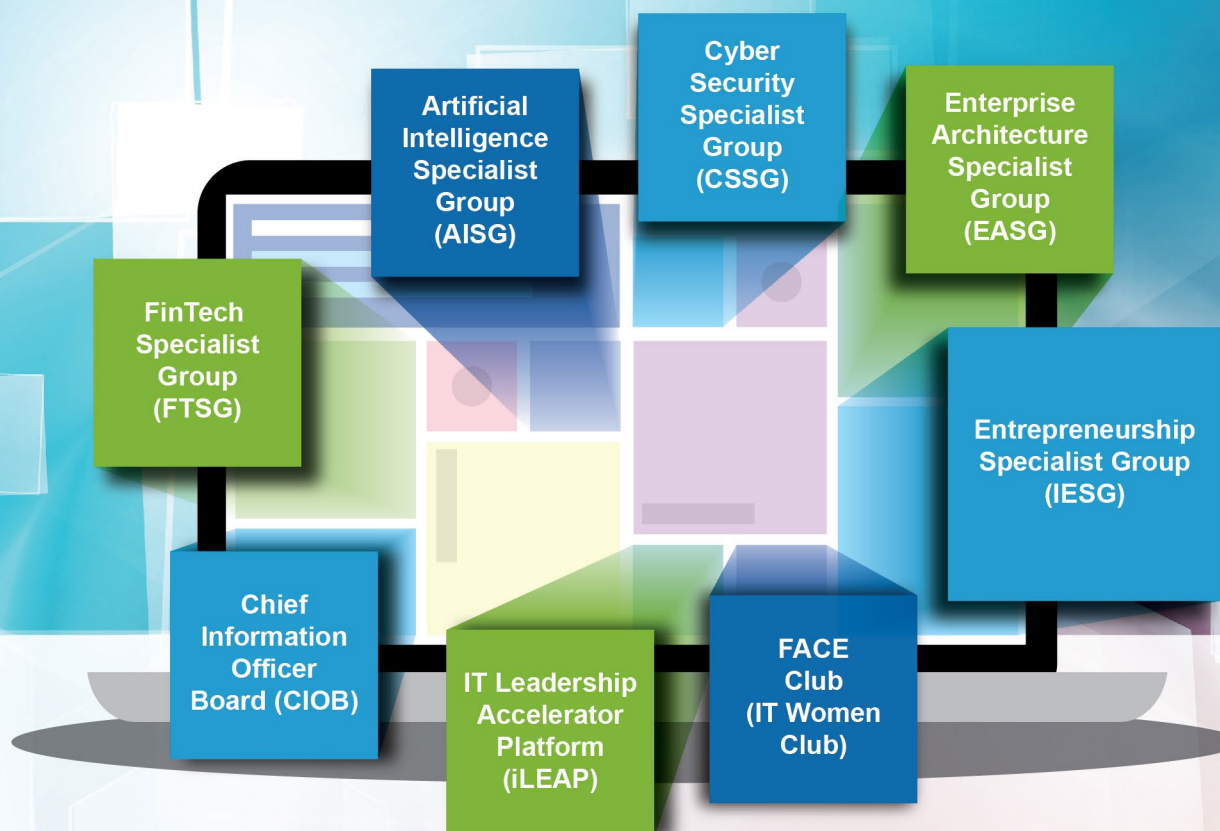
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HKTDC 香港貿發局 — Hong Kong Trade Development Council 香港貿易發展局

π 創新科技署 Innovation and Technology Commission — Innovation and Technology Commission 創新科技署

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HKiTIC 香港資訊科技聯會 Hong Kong Information Technology Industry Council

IOTA Hong Kong Internet of Things Alliance

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