



HONG KONG  
ICT AWARDS  
2021 香港資訊及  
通訊科技獎

Smart Business Award  
商業方案獎

## Smart Business Award

商業及公營機構

*Solution for Business and Public Sector Enterprise*

大數據及開放數據應用

*Big Data and Open Data Applications*

中小企業

*Solution for SME*

Leading  
Organiser  
籌辦機構

50th Anniversary  
1970-2020  
HONG KONG  
COMPUTER SOCIETY  
香港電腦學會

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**Silver Award 銀獎**

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**Gold Award 金獎**

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**Silver Award 銀獎**

**The Hongkong Electric Company, Limited (Integrated Digital Solution for "Care and Share" SME** 20  
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友貨運控股有限公司 (FreightAmigo - 一站式供應鏈金融平台)

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(HOUSE101/APS101-All-Round O2O Real Estate Agent Platform)  
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HONG KONG  
ICT AWARDS  
2021 香港資訊及  
通訊科技獎

## The Hong Kong ICT Awards 2021: Smart Business Award 2021 香港資訊及通訊科技獎：商業方案獎

### 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 2021. There will be one Grand Award in each category, and an "Award of the Year" will be 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 2021: 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 Big Data and Open Data Applications.

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。

2021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2021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、中小企業以及大數據及開放數據應用。

## Introduction of Leading Organiser 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.

For five decades, 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。

香港電腦學會成立五十年來，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。

# Message from Dr. Rocky CHENG



**Dr. Rocky CHENG**  
**President 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 2021: 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 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.

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, especially under such a difficult time.

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「2021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。

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。際此艱難時期，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. Francis NGAI



**Mr. Francis NGAI**  
**Chairperson of the Organising Committee,**  
**HKICT Awards 2021: Smart Business Award**  
**魏已倡先生**  
**「2021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 15 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, even though we have been facing some difficulties under the COVID-19 pandemic since early last 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 as well as Big Data and Open Data Applications. 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 all the members of the Organising Committee who has overcome a series of uncertainties and solve issues in a “Smart” way under the threats of COVID-19 pandemic. It is your industry passion and professionalism that make the Hong Kong ICT Awards such a highly acclaimed award, both locally and internationally.

And of course, a big ‘thank you’ to the Judging Panel and the Assessors for their valuable time and advice as well as all the participants and winners 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 ICT 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」已經連續運作了十五年，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，儘管今年社會仍須面對自去年初開始，至今仍未止息的新冠肺炎疫情難關，依然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、中小企業和大數據及開放數據應用。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。

除了祝賀獲獎者之外，本人還想表彰多位才華橫溢的貢獻者，他們的參與，令「2021香港資訊及通訊科技獎」能在新冠肺炎疫情帶來的眾多不明朗因素下，透過資訊及通訊科技支援的智能方案，克服當中的困難而順利舉行。本人衷心感謝籌備委員會和評審委員會的所有成員，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。因著你們對推動業界的熱誠和專業精神，令香港資訊及通訊科技獎，成為本地以及國際上，均備受讚譽的獎項。

當然，還要感謝所有在這些優秀得獎作品背後的參與者和開發者，你們是讓香港不論現在或未來，均能保持甚至加強其於資訊及通訊科技上，在全球的核心地位。

# Message from Prof. Alexander WAI



**Prof. Alexander WAI**  
**Chairperson of Judging Panel of**  
**HKICT Awards 2021: Smart Business Award**  
**President and Vice-Chancellor of**  
**Hong Kong Baptist University**

**衛炳江教授**  
**「2021香港資訊及通訊科技獎：商業方案獎」**  
**評審委員會主席**  
**香港浸會大學校長**



It is my honour to be the Chairperson of the Judging Panel for the “Hong Kong ICT Awards 2021: Smart Business Award”. We have been impressed by the quality of the entries, and we are delighted that the standard of the competition has reached a much higher level.

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

The “Hong Kong ICT Awards 2021: Smart Business Award” provides an excellent platform for local companies to demonstrate remarkable products and applications that can enhance the effectiveness of business enterprises as well as public sector organisations.

We are pleased to see the strong participation in the Hong Kong ICT Awards 2021 this year, especially in the Smart Business Award category which covers three streams, including Solution for Business and Public Sector Enterprise, Solution for SME, as well as Big Data and Open Data Applications. Fifty one entries for the three award streams were received. After deliberate assessment, eleven winners were selected based on their success in meeting the five judging criteria, including creativity, functionality, market potential, impact and quality.

As Chairperson of the Judging Panel, I have had the privilege of working with a highly competent panel of assessors and judges, and witnessed many remarkable ICT talents and their inventions this year for “Smart Business” under the “New Normal”. I sincerely hope that the award scheme will continue to flourish, so that more innovative IT products and services can be created to benefit businesses and the society as a whole.

本人很榮幸成為「2021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。「2021香港資訊及通訊科技獎：商業方案獎」為本地公司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3個範疇包括商業及公營機構、中小企業和大數據及開放數據應用，共收到51項參賽作品。經嚴格評審，基於5項評審準則，包括創意、功能、市場潛力、影響力和質素，11項優秀作品最終脫穎而出。

身為評審委員會主席，我有幸與一支極為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「新常態」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



### Chief Judge

**Prof. Alexander WAI Ping-kong**

President and Vice-Chancellor, Hong Kong Baptist University

### 主席

**衛炳江教授**

香港浸會大學校長

### Deputy Chief Judge

**Mr. Richard LEUNG**

Group Chief Technology Officer, Hong Kong Exchanges and Clearing Ltd.

**梁松光先生**

香港交易所集團首席科技總監

### Judges

**Mr. Raymond CHENG Siu-hong**

Distinguished Fellow, Hong Kong Computer Society

**鄭小康先生**

香港電腦學會院士

**Ms. Ada CHUNG Lai-ling**

Privacy Commissioner, Privacy Commissioner for Personal Data, Hong Kong

**鍾麗玲女士**

香港個人資料私隱專員公署個人資料私隱專員

**Ms. Carrie LEUNG, MH**

Chief Executive Officer, The Hong Kong Institute of Bankers

**梁嘉麗女士, MH**

香港銀行學會行政總裁

**Mr. Kevin CAI**

Chief Information Officer, Hospital Authority Hong Kong

**蔡陽先生**

醫院管理局資訊科技主管

**Dr. Howard LEUNG**

Associate Professor, Department of Computer Science, City University of Hong Kong

**梁永豪博士**

香港城市大學電腦科學系副教授

**Mrs. Agnes MAK TANG Pik-ye, MH, JP**

Distinguished Fellow, Hong Kong Computer Society

**麥鄧碧儀女士, MH, JP**

香港電腦學會院士

**Dr. Edith MOK, MH**

Distinguished Fellow, Hong Kong Computer Society

**莫關雁卿博士 MH**

香港電腦學會院士

**Ms. Alice SO**

Head of Entrepreneurship, Hong Kong Cyberport Management Company

**蘇雅麗女士**

香港數碼港管理有限公司創業家主管

## Organising Committee 籌備委員會

### Mr. Francis NGAI

Vice President (Industry Relations) & Honorary Secretary, Hong Kong Computer Society

### Mr. Stephen LAU, JP

Secretary General (Honorary), Hong Kong Computer Society

### Dr. CK WONG, MH

Chairman, iASPEC Technologies Group

### Mr. Gordon LO

Director-General, Federation of Hong Kong Industries

### Dr. Albert Kwan-butt WONG

Partner, Public Sector Consulting, PwC Mainland China and Hong Kong

### 魏已倡先生

香港電腦學會副會長(業界聯繫)及名譽秘書

### 劉嘉敏太平紳士

香港電腦學會秘書長(名譽)

### 黃仲翹博士, MH

永泰信息技術集團主席

### 老少聰先生

香港工業總會總裁

### 王君弼博士

羅兵咸永道有限公司公共事務諮詢服務合夥人

## Assessment Team 評審小組

### Dr. CK WONG, MH (Chief Assessor, Solution for Business and Public Sector Enterprise Stream)

Chairman, iASPEC Technologies Group

### Dr. Dorothy CHAU

Director of Hong Kong, Macao & Cross-border Financial Affairs, Tencent

### Mr. Fritz CHIU

Financial Controller, Data Exchange Ltd.

### Mr. Ahim KHO

Managing Director, Apicem Technology Services

### Mr. Benedict LAM

Principal Consultant, Celtic Consultancy

### Dr. Vincent NG

Senior Scientific Officer, The Hong Kong Polytechnic University

### Dr. Gary WONG

Chief Information Officer, Heals Healthcare Ltd.

### Mr. Gordon LO (Chief Assessor, Solution for SME)

Director-General, Federation of Hong Kong Industries

### Mr. Vincent SO

Chairman, Hong Kong Retail Technology Industry Association

### Ms. Jennifer TAN

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# Smart Business Grand Award and Smart Business (Solution for Business and Public Sector Enterprise) Gold Award

## 商業方案大獎 及 商業方案(商業及公營機構)金獎

Immigration Department  
The Government of the Hong Kong  
Special Administrative Region



### Connecting the Globe with Advanced Technology: Next Generation Electronic Passport System

To continue issuing highly secure electronic passports so as to bolster overseas authorities' confidence in granting HKSAR passport holders visa-free access, and to optimise the entire process of application and collection, the Immigration Department (ImmD) introduced in May 2019 the "Next Generation Electronic Passport System".

From application submission, assessment, personalisation to collection, the new system incorporates intelligent and robotic elements in its design to bring brand new self-service experience for the public. The enhanced "Travel Document Submission Kiosk" provides convenient one-stop service by offering functions of form filling, free photo taking and electronic payment. Also, members of the public can easily complete the collection process in a self-service manner by using the new "Passport Collection Kiosk". With manpower savings and improved efficiency under the new system, the application processing time has been significantly shortened by half from 10 to 5 working days, and the application fee has been frozen since 2006.

To support the development of Hong Kong Smart City, the ImmD has also incorporated the "e-ME" form-filling function of "iAM Smart" into the online application process, making the process fast and simple by automatically filling in personal particulars for the public.



The HKSAR passport incorporates state-of-the-art security features and its holders enjoy visa-free access or visa-on-arrival to 168 countries and territories around the world, of which more than half are countries along the Belt and Road.

香港特區護照具備最先進的防偽特徵，持有人可免簽證或以落地簽證方式到訪全球168個國家和地區，當中超過一半為「一帶一路」沿線國家。



The new system significantly shortens the time required for processing HKSAR passport applications by half from 10 to 5 working days. Besides, the newly added “Travel Document Submission Kiosk” with photo-taking function further facilitates and encourages the application of HKSAR passports in a self-service manner, achieving a win-win outcome.

新系統把處理香港特區護照申請所需的時間減半，由10個工作天大幅縮短至5個工作天，並且增設具備拍照功能的「申請證件服務站」，進一步方便和鼓勵申請人以自助方式申請特區護照，達致雙贏。

## 香港特別行政區政府入境事務處 先進科技 • 連繫世界：新一代電子護照系統

入境事務處(入境處)為了繼續簽發高度防偽的電子護照以鞏固海外當局對給予特區護照持有人免簽證入境待遇的信心，並優化整個申領流程，在2019年5月推出「新一代電子護照系統」。

由遞交申請、審批、印製護照到領證，新系統均注入智能及機械人元素，帶給市民全新的自助服務體驗。經優化的「申請證件服務站」集填表、免費拍照和電子繳費功能於一身，提供方便的一站式自助服務。市民亦可經新的「領取護照服務站」以自助形式輕鬆地完成領證手續。新系統能精簡人手，同時提升效率，使處理申請的時間得以由十個工作天大幅減少一倍至五個工作天，以及令申請費用自2006年至今一直維持不變。

為配合香港智慧城市的發展，入境處亦在網上申請流程中加入「智方便」的「填表通」功能，自動為市民填寫個人資料，簡單快捷。

### Comments from Judging Panel 評審委員會評語

The Hong Kong SAR next generation electronic passport system has not only used the latest counterfeit prevention measures in the production of the passports, most importantly, it is using advanced technologies including AI in the processing of passport applications to significantly reduce the need for human intervention. Around 80% of the passport applications (new and replacement) can be processed automatically. The time, effort and cost savings are very substantial. Over 700 thousand passports have been issued under this new system.

The self-service kiosks for application and pickup of passports are well received by the community. It is an excellent example for the progressive and responsible use of technologies in the government sector in Hong Kong. This system has drawn international attention as a prime model for passport issuance.

香港特別行政區新一代電子護照系統不僅在護照製作過程中採用了最新的防偽措施，更重要的是在護照申請的處理過程中採用了人工智能在內的先進技術，大大減少了人為干涉的需要。大約 80% 的護照申請(新的和更換的)可以自動處理。時間、精力和成本節省是非常可觀的。在這個新系統下，已經簽發了超過 70 萬本護照。

自助辦證及領取護照都深受社會各界歡迎，這是香港政府部門逐步使用技術的一個很好的例子。該系統作為護照簽發的主要模式已引起國際關注。

# Smart Business (Solution for Business and Public Sector Enterprise) Silver Award

## 商業方案(商業及公營機構)銀獎

### Ampd Energy Enertainer – Enernet



Ampd Energy is a sector-focused energy company that is driven by their vision for an emission-free future for construction. To accomplish this, Ampd Energy designs and manufactures the “Enertainer”, a disruptive battery energy storage system (BESS) innovation that electrifies construction sites to enable clean, quiet and 24/7 internet connected energy delivery – replacing the dirty, noisy and hazardous diesel generators that power the world’s construction.

Not only are diesel generators huge pollutants, but they also offer zero data – diesel generators are not smart. Ampd Energy has developed the Enernet platform, an all-in-one online portal connecting customers directly to their Enertainers enabling real-time data transparency anytime, anywhere. This means that the Enertainer is an IoT enabled device. Enernet offers highly detailed, real-time fleet-wide remote monitoring, device management, remote troubleshooting, and data analytics, all of which are non-existent in diesel fuel generators. The Enertainer and Enernet provide data transparency that allows for better, faster, and more informed decisions, improving the productivity and operational efficiency of construction sites. The Enernet platform is the first of its kind in the world for the construction industry.

Ampd Energy 是一間專注於建築行業的能源公司，其願景是實現建築業零排放的未來。為了實現這一目標，Ampd Energy 設計製造了一款「Enertainer」。這是一種顛覆性的電池儲能系統 (BESS) 創新技術，可讓建築工地電氣化，以實現潔淨、寧靜和 24/7 全天候互聯網連接的能源供應 – 取代骯髒、嘈雜和危險的柴油發電機，為全世界的建築工地提供電力。

柴油發電機不僅產生大量的污染，而且一般柴油發電機都非智能管理及不能提供任何數據。「Enertainer」是一款能夠支援物聯網的設備。透過連接 Ampd Energy 開發的一個一站式的在線平台「Enernet」，世界上第一個專為建築行業供電系統設計的物聯網平台，客戶可以將「Enertainer」直接連接至網絡，獲取高度詳細、實時的全設備遠程監控、設備管理、遠程故障排除和數據分析。以上這些都是柴油發電機無法提供的。除此之外，Enertainer 和 Enernet 能提高數據透明度，令到客戶做出更好、更快和更明智的決策，從而提高建築工地的生產力和運營效率。

### Comments from Judging Panel 評審委員會評語

Managing the peak load power consumption requirement involving heavy equipment in construction sites is an old problem. The common practice has been the use of generators that are powered by diesel engines to support the (peak) electricity needs in these construction sites. Noise and air pollutions of the diesel engines have haunted the industry for a long time.

This applicant has designed and developed an innovative solution to solve this problem. It uses lithium batteries packed into container size modules that can be easily hoisted into the work sites. These modules have in-built power management hardware and software. It regulates the continued charging and discharging of the batteries, monitors their temperature and other safety-related parameters. It also provides operational savings in energy consumption (as compared to diesel engine which runs all the time). Data is continually collected and fed into the network for real-time monitoring of these modules.

60 units of these modules have been deployed in different construction sites since the launch of the product in 2019. The market demand shows that this product is highly appreciated by the construction industry.

管理涉及建築工地重型設備的最高負載功耗需求的問題一直存在。通常的做法是使用由柴油發動機驅動的發電機來滿足這些建築工地的(最高需求量)電力需求。柴油發動機的噪音和空氣污染長期以來一直困擾著該行業。

參賽公司設計並開發了一種創新的解決方案來解決這個問題。它使用鋰電池包裝成集裝箱大小的模塊，可以很容易地在工地使用。這些模塊具有內置的電源管理硬件和軟件。它調節電池的持續充電和放電，監控它們的溫度和其他與安全相關的參數。它還可以節省能源消耗(與一直運行的柴油發動機相比)。數據被持續收集並輸入網絡以實時監控這些模塊。

該產品自2019年推出以來，60個模塊已在不同的建築工地使用。市場需求表明，該產品受到建築行業的高度讚賞。

# Smart Business (Solution for Business and Public Sector Enterprise) Bronze Award

## 商業方案(商業及公營機構)銅獎



### CLP Power Hong Kong Ltd.

## CLP Retail and Catering Coupons Programme – Coupon Redemption System

CLP Power Hong Kong Limited (CLP) dedicated more than HK\$80 million from CLP Community Energy Saving Fund for a six-month CLP Retail and Catering Coupons programme. A total worth of HK\$100 coupons was given to each of the nearly 800,000 households to spend in more than 2,800 participating retail and catering outlets. The coupons were intended to provide impetus to different business sectors, stimulating the Hong Kong economy and helping it regain momentum.

The programme beneficiaries included residential customers with low electricity consumption, elderly customers eligible for CLP's concessionary tariff. They received their coupons in the post together with their first electricity bill of 2021. CLP also distributed coupons through its community partners to 10,000 tenants of subdivided units.

The coupons could be used in more than 2,800 participating retail and catering outlets, including restaurants, bakeries, grocery stores, electrical appliance stores, pharmacies, laundries, hair salons, and social enterprise retail shops. Participating outlets also put a CLP Retail and Catering Coupons programme sticker on their premises to indicate where coupons could be spent.

Merchants could accept coupons via a merchant app by scanning the designated QR code on the coupons. Application Programming Interface (API) was also developed to integrate the coupon system with POS of chained outlets. The whole transaction process was simple and user-friendly.

## 中華電力有限公司

### 中電消費券計劃 - 消費券換領系統

中華電力有限公司(中電)透過中電社區節能基金撥款超過8,000萬港元,推出為期6個月的中電消費券計劃,向近80萬個合資格家庭派發總值100港元的消費券,於超過2,800間零售店舖及食肆使用。中電希望消費券計劃能帶動消費,為各行各業注入經濟動力,令香港整體社會受惠。

合資格家庭包括居住於中電供電範圍的低用電量住宅客戶、享有長者電費優惠的客戶,以及劏房住戶。中電消費券隨2021年第一張電費賬單寄出受惠人士,而10,000個劏房住戶則透過中華電力的社區夥伴收到消費券。

憑中電消費券,受惠人士可於超過2,800間參與計劃的零售商店和食肆消費。商店類型包括食肆、餅店、雜貨店、電器舖、藥房、洗衣店、理髮店和社企零售商店等。參與計劃的商戶亦在店舖外張貼中電消費券計劃標貼,讓受惠人士容易識別。

參與商戶可透過專屬的應用程式,掃描消費券上的二維碼接受交易。大型連鎖店亦可使用應用程式介面(API)將店舖銷售系統接駁到消費券系統。整個消費券交易程序非常簡單及方便。

### Comments from Judging Panel

#### 評審委員會評語

The business idea and the technologies behind this CLP Coupons program are simple. However, the Applicant and the contractor that they engaged have executed this program with high precision.

The eight hundred thousand households that have received two HK\$50 coupons each and the twenty nine hundred retail outlets participated in this program are very satisfied with the user-friendliness and simplicity of the design. It is a good example that a good IT system can be a simple design that is well thought-through, using appropriate technologies, and characterized with very careful planning and meticulous execution.

此 CLP 優惠券計劃背後的商業理念和技術很簡單。然而,參賽公司和他們聘用的承包商能高精確地使用這個程式。

八十萬戶每戶收到兩張港幣50元優惠券及參與此計劃的兩千九百家零售店都對這程式設計的容易使用度和簡潔感到非常滿意。一個好的 IT 系統可以是一個簡單的設計,經過深思熟慮及使用適當的技術,特顯了以非常仔細的規劃和細緻的執行,這是一個很好的例子。

# 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

### XenseTech Limited

#### XenseGate A.I. Face Recognition Access Control System



XenseGate is our self-developed A.I. facial recognition access control system which has been approved by Construction Industry Council (CIC) as one of its official Biometric Access Control and Registration System (ACRS). It is installed utilising the Modular-integrated Construction (MiC) with fast installation in half a day.

The legacy biometric recognition requires physical contact for palm shape detection. In view of the accuracy and hygiene, non-contact type biometric ACRS has been popular, but the performance of systems is regarded as inaccurate and inefficient. It takes time for workers to queue at the ACRS which is a waste of productivities.

With XenseTech's A.I. technology, the accuracy of recognition can reach 98% and the recognition can be completed within 1 second. During COVID-19 pandemic, wearing mask is compulsory for construction sites entering. With XenseGate, workers wearing mask can still be recognized, and the system can detect workers' temperature for health control measures and verify their licenses' validity. According to clients' survey, 50%-70% of access time is saved with XenseGate. Real-time access reports can be accessed by various parties including main contractor, sub-contractors, clients etc., and the management platform can be accessed by desktop or mobile devices for reports submission and further analytics.

### XenseTech Limited

#### XenseGate 人工智能臉型識別出入閘系統

我們自行研發 XenseGate 人工智能臉型識別出入閘是建造業議會認證的生物識別出入閘系統之一。透過與議會的系統融合，最大限度地提高工地安全。設計融合了「組裝合成」建築法 (MiC) 概念，在半天內完成安裝，降低施工成本同時保障施工安全和質量。系統會自動將入閘記錄製成不同類型的報告，讓承建商、客戶等可隨時通過電腦或手機從管理平台獲取並分析相關資料，提交報告。

建造業議會多年來一直使用生物識別訪問控制和記錄系統 (ACRS)。傳統系統以掌骨識別，涉及系統與用戶直接接觸。考慮到準確性和衛生問題，非接觸式的生物識別系統開始於市場上流行。但這類非接觸式系統普遍被認為不準確和緩慢。在使用時，工人們需在閘口前排隊等待使用系統，從而浪費大量時間。

XenseTech 的人工智能技術，人面識別準確度達 98% 以上，並能在 1 秒內完成識別。即使工人配戴口罩仍可被識別，並同時檢測工人體溫以實施健康控制措施和核實工人許可證有效期。據客戶調查，使用 XenseGate 可節省 50%-70% 的訪問時間。

### Comments from Judging Panel

#### 評審委員會評語

The entry is a very good example of an innovative solution to an age-old problem. Entry-and-exit control of workers in construction sites is an old problem. The applicant has successfully integrated all the necessary technologies together to effectively solve this problem in a “container” type of structure (MiC – modular integrated construction) that can be easily moved from one worksite to another. It demonstrates that this applicant has done thorough analysis of the market and gained clear understanding of the problem to avoid the mistakes of many previous attempts by its competitors. Its success in the market has validated the robustness of this design.

這參賽公司正正是創新解決方案的一個很好的例子。建築工地工人的進出控制問題一直存在。參賽公司已成功地將所有必要的技術整合在一起，以一種“容器”類型的結構 (MiC- 模塊化集成結構) 有效地解決了這個問題，這種結構可以很容易地從一個工地移動到另一個工地。這表明參賽公司對市場進行了深入的分析，對問題有了清晰的認識，避免了競爭對手之前多次嘗試的失誤。它在市場上的成功驗證了這種設計的穩健性。



# 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



GL.iNet

### GL Technologies (Hong Kong) Limited

#### GoodCloud.xyz

#### GoodCloud IoT Device Management Platform

GoodCloud is a GL.iNet's cloud-based platform built to remote access, organize, and batch manage IoT devices. It is designed to be a successive generation of SCADA and BACnet technology with improved efficiency and reliability. GL.iNet also comes with a network gateway product line that is pre-configured to be fully compatible with GoodCloud.

The GoodCloud device management experience is highly customizable for a wide range of industries. Depending on the scope of application demanded by different scenarios, customization service is provided on demand, including logos and user roles settings optimized for their needs or serve as a backbone for application design to fulfil their client's demand. An overall IoT network infrastructure management masterpiece.

### 廣聯智通科技(香港)有限公司

#### 廣聯智通雲平台

廣聯智通雲平台讓使用者可以直接訪問設備及進行遠程控制，對於安裝在難以靠近、偏遠或危險環境中的設備的數據傳遞至關重要。雲平台透過集成物聯網中部署的設備，從而實現批量管理設備，包括更新設備固件和更改設備部署後配置。用戶可以實時監察設備狀態，包括數據使用量、連接紀錄、CPU和RAM的使用情況等。我們亦為商業用戶提供解決方案，除了配置網關，亦支持一定程度的定制方案，包括更改圖標及自訂角色管理功能，亦可連接用戶自行開發的應用程序以滿足不同應用場景需求。

#### Comments from Judging Panel

#### 評審委員會評語

The Applicant has successful track records in designing and supplying WiFi and mobile data devices in the industry. This new product (and services) entering into the competition is an IoT hub for the connection of various IoT devices in the vicinity of the hub supporting various short-range communication technologies. This IoT hub is then connected to the cloud service (GoodCloud) so that the IoT data can be stored and forwarded to different "subscribers" that are authorized to receive this data.

The demand for IoT data collection in a secure fashion is rapidly increasing. The combination of this IoT hub and the cloud services for data aggregation and distribution is something that Hong Kong can well-positioned to grow.

參賽公司在業界設計和供應 WiFi 和移動數據設備方面擁有成功的記錄。此次參賽的新產品(和服務)是一個物聯網樞紐，用於連接樞紐附近的各種物聯網設備，支持各種短距離通信技術。然後將此 IoT 中心連接到雲服務 (GoodCloud)，以便可以存儲 IoT 數據並將其轉發給有權接收此數據的不同“訂閱者”。

以安全方式收集物聯網數據的需求正在迅速增加。香港可以很好地發展這個物聯網中心與用於數據聚合和分發的雲服務相結合。

# Smart Business (Big Data and Open Data Applications) Gold Award 商業方案(大數據及開放數據應用)金獎

## Electrical and Mechanical Services Department Smart City Management - The Regional Digital Control Centre (RDCC) & AI Platform

In response to the Hong Kong Smart City Blueprint and achieve the city level management, Electrical and Mechanical Services Department (EMSD) had established the first Regional Digital Control Centre (RDCC) for E&M digitalization. The RDCC is responsible for remote real-time equipment monitoring, indicative alarm for fault responses and energy management, etc. with the ultimate goal to enhance E&M assets' operational efficiency and environmental performance by Artificial Intelligence (AI) and big data analytics.

機電工程署  
EMSD



The RDCC is capable in handling over 600,000 data points from a single building daily with the application of big data analytics and AI, thereby achieving round-the-clock monitoring of E&M facilities and enabling our team in responding to any emergency issues when necessary. To support the COVID-19 vaccination programme, an E&M monitoring system for community vaccination centres was set up based on the infrastructure of the RDCC and the application of Internet of things (IoT). The system provides real-time monitoring and system fault pre-warning so that the conditions of vaccines and facilities of venues can be ensured.

With a portfolio of over 8,000 facilities being digitalized in EMSD future plan, more than one trillion data points will be collected, processed and analyzed in RDCC. With the AI platform we developed, those massive data can be encapsulated into a unified model for building management which forms the basis of digitalization, leading the industry to the next milestone.

### 機電工程署 智慧城市管理- 區域數碼監控中心 (RDCC)及 人工智能平台

為響應香港智慧城市藍圖及實踐城市管理，機電工程署設立了首個區域數碼監控中心，致力提供多種服務，包括實時設備遙距監控，故障警報和能源管理等，目標以人工智能及大數據分析來協助提升機電設備的運作效率和能源效益表現。

中心在實現機電數碼化擔當著重要角色，通過利用大數據分析和人工智能處理每日從個別建築物傳來的六十多萬則數據，從而為機電設備提供全天候監控，在發生突發事件時提供適時協助。為配合2019冠狀病毒疫苗接種計劃，機電署以中心系統作基礎，並配合物聯網的應用，為所有社區疫苗接種中心設立機電監察系統，實時遙距監察場地系統和應變預警信息以確保疫苗妥善存放及場地機電設施運作正常。

隨著機電署的持續發展，將為八千多個政府場地實踐數碼化，屆時亦將有超過一兆則數據收集於中心作處理和分析。透過我們研發的人工智能平台，可將大量數據概括成一個統一的樓宇管理模型，為數碼化建立基礎，引領行業邁向下一個里程碑。



### Comments from Judging Panel 評審委員會評語

RDCC is a comprehensive big data platform that combines big data (including IoT and open data) and analytics capabilities. It demonstrates objectively measurable benefits such as energy savings and improvement in O&M response time (predictive maintenance). Insights generated from the operations of RDCC has been shared by EMSD to E&M trade with the aim of promoting best practice with the trade. It is believed that value of RDCC's data (and building schematic) could be further enhanced if opened to stakeholders.

RDCC是一個綜合大數據平台，結合了大數據(包括物聯網和開放數據)和分析能力。它展示了客觀而可衡量的好處，例如節能和改善O&M 回應時間(預測性維護)。機電工程署已將 RDCC 運作所產生的見解分享給機電行業，旨在推廣業界最佳實踐。相信如果向利益相關者開放，RDCC的數據(和建築示意圖)的價值可以進一步提高。

# Smart Business (Big Data and Open Data Applications) Silver Award 商業方案(大數據及開放數據應用)銀獎

## McDonald's Hong Kong Data 360



Initiated by McDonald's Hong Kong technology team, the Data 360 project was developed with a vision to help our company transform into a data-driven enterprise to drive profitable growth through uplifting customer experience.

Data 360's mission is to provide trusted and integrated data that is easy to use and understand. We have created a holistic data warehouse which consolidates various kinds of information, including an inventory of restaurants, labor allocation plans, restaurant service performance scores and all transaction details. All data, after having been verified and validated with relevant business units, will be translated into useful information for analysis to provide business insight for improving business's overall efficiency and performance.

Stores' performance and inventory control are optimized with all the data consolidated into a single platform for review. Any abnormality detected will trigger an alert so that the team could turn around the situation in an efficient and effective way. Thanks to Data 360, we have successfully reduced food wastage and improved restaurants' service speed.

Leveraging on machine learning, Data 360 managed to enable our Finance and Marketing teams to project the investment margin of coupons in McDonald's App so as to design the best coupon combinations that satisfy the needs of our customers and optimize our investment. Based on purchase behavior, we have sent targeted EDM/ push notifications with content that was most relevant to customers.

Looking ahead, we will continuously enhance our Data 360 so as to further uplift business efficiency, drive growth for McDonald's Hong Kong and deliver a greater dining experience for our customers.

## 香港麥當勞 360大數據



由香港麥當勞技術團隊開發的「一站式 360數據系統」,助公司建構以數據為本的體系,通過提升顧客體驗推動業務增長。

「一站式360數據系統」為香港麥當勞提供可靠、集中、易於使用和解讀的數據。各式各樣的數據會整合成一站式數據庫,例如分店存貨、人手分佈、分店服務表現分數和交易數據等。所有數據經和相關業務單位驗證和批核後,會成為有用的分析資料,為提升整體業務效率及表現提供所需訊息。

在「一站式360數據系統」下,分店表現和存貨監控之數據優化後會整合於同一個平台上檢視。每當偵測到不尋常的數據時,系統會發出警報,令團隊能迅間作出有效的應對。「一站式 360數據系統」有效令我們減少食物浪費,同時提升服務速度。

透過機器學習,「一站式360數據系統」讓公司的財務和市場策劃團隊通過預測顧客優惠券的投資利潤,從而找出最佳的麥當勞App優惠券組合,既能為顧客帶來超值優惠,又符合公司的業務需求。我們亦會根據顧客的消費行為,透過電郵推廣或推送通知傳遞與他們相關的資訊,為顧客服務增值。

未來,我們會繼續優化「一站式 360數據系統」,提升業務效率、推動香港麥當勞的業務增長,為顧客帶來更優質的餐飲體驗。

## Comments from Judging Panel 評審委員會評語

Data 360 shows the power of big data analytics combining the use of open data. It demonstrates measurable ROI (e.g., cost reduction or improved profit margin) and shows practical use cases such as determining the preferred locations for new stores. In addition, it is an end-to-end solution from procurement to delivery and staff deployment, which maximises the value of customer data collected. It also focuses on delivering good user experience – extensive visualization is built into Data 360 to help users navigate and visualise data.

Data 360 展示了結合使用開放數據的大數據分析的力量。它展示了可衡量的投資回報率(例如,降低成本或提高利潤率)並展示了實際用例,例如確定新商店的首選位置。此外,它是從採購到交付和人員部署的端到端解決方案,最大限度地提高了收集的客戶數據的價值。它還專注於提供良好的用戶體驗 - Data 360 中內置了廣泛的視覺化功能,以幫助用戶導航和視覺化數據。

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

## Eats365 Hong Kong Limited Eats365: The F&B Solution Platform and Ecosystem Powering the Future of Dining



Our Story: Powering the Future of Dining

Founded in Hong Kong where the culinary scene is demanding and quick-paced, Eats365 understands how important it is for restaurants to leverage the latest technology to stand out from the crowd and prepare for the future.

As passionate foodies, we want restauranteurs to be able to focus on their craft rather than stressing out over the system that runs their business.

As equally-passionate techies, we've made it our goal to futureproof our restaurant solution; integrating tomorrow's technologies in ways that are useful, advantageous and easy to use.

Our Mission: A Cohesive F&B Solution

We are fully dedicated to our mission of joining the disparate parts of the F&B industry into a single, cohesive whole.

With this in mind, we have created a cloud-based, end-to-end F&B solution that simplifies business operations, connects all aspects of a restaurant business and integrates innovative third parties solutions – all under one platform.

Our Vision: The Frontier of Restaurant Tech

By implementing new innovations like automation, big data, cloud technology and BYOD services, Eats365 aims to solve existing industry problems while pushing the frontier of restaurant technology.

Ultimately, our vision is to offer features and modules that allow restaurant businesses to overcome tomorrow's challenges, today.

Our promise: Tomorrow's Technology for All

With our modular solution approach, we removed the barrier to entry by allowing restaurant owners to pick and choose the products, services, and integrations that matter most to them.

This way, each restaurant benefits from a budget-conscious, custom solution that not only scales with them for the future, but is also easy to immediately rollout and master.

## Eats365 Hong Kong Limited Eats365：迎接餐飲新常態的解決方案平台及生態系統

「迎接餐飲新常態」

Eats365 紮根餐飲發展多變的香港，理解餐廳使用最新科技突圍而出並為未來擴展部署的需要。

作為美食愛好者，Eats365 希望餐飲業者可以集中烹調美食而非花時間處理繁複系統；而同樣作為科技業者，Eats365 期望建立一套可為未來擴展的餐飲解決方案，為業界帶來實用且具優勢的最新科技。

「環環相扣的解決方案」

為將業界零散的科技連結成一整套全面解決方案，Eats365 開發了一套雲端餐飲解決方案，將餐飲營運中各個部份連結並整合各種創新的第三方解決方案於一個平台之下。

「餐飲科技先驅」

透過部署自動化、大數據、雲端技術及自攜裝置服務等創新科技，Eats365 引領未來餐飲科技發展以解決現存難題。Eats365 的願景在於提供各種技術及模組讓業界今天充份準備迎接明天的挑戰。

「未來科技普及化」

Eats365 透過將其解決方案模組化，讓餐飲業者可自由選購其需要的產品、服務及整合技術，進一步降低使用門檻。業界可享有一套價格相宜、靈活且為可擴充，同時可即時部署使用的解決方案。

## Comments from Judging Panel 評審委員會評語

Eats365 is a cloud-based Point-Of-Sales solution with powerful CRM and loyalty programs to offer valuable insights into customer behavior, sales figures and financial data. It relies on minimal hardware requirement but just an iPad while its App is done in modular design to fit for different scales and formats of operations. The monthly subscription fee model is also affordable that currently 1,500+ local merchants were engaged, plus spread to 19+ countries around the world.

Eats365 是一種基於雲的銷售點解決方案，具有強大的 CRM 和忠誠度計劃，可提供有關客戶行為、銷售數據和財務數據的寶貴見解。它依賴最少的硬件要求，只需要一個 iPad，而其應用程式採用模塊化設計，以適應不同規模和格式的操作。每月訂閱費模式也很實惠，目前有 1500 多家本地商家參與，並擴展到全球 19 多個國家/地區使用。

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

## The Hongkong Electric Company, Limited Integrated Digital Solution for “Care and Share” SME Caterers Subsidy Scheme (The Coupon Scheme)



港燈  
HK Electric



HK Electric launched the “Care and Share” SME Caterers Subsidy Scheme (the Scheme) in early 2020. The programme provides dining coupons in order to offer relief to families in need while helping the city’s SME eateries cope with challenging economic circumstances.

Following the tight timeframe (around 3 months) from the decision to establish the Scheme to its roll-out and avoidance of allocating many manpower resources, we devised an innovative digital solution using advanced robotic process automation (RPA), data analytics and data visualisation. In the process, we have integrated various e-platforms including eConnect (a platform for in-house development of mobile apps), SharePoint (for keeping portfolios of NGOs and eateries) and Tableau (for data analytics and visualisation) to create a seamless customer experience.

Our team developed a mobile app to track the distribution of 800,000 dining coupons to beneficiaries by our NGO partners. The RPA combines this data with those from a third-party mobile app that tracks dining coupon usage at SME eateries to create a set of dashboards for visualising each dining coupon’s digital journey. This helps us monitor and manage the scheme effectively in real-time, and enables weekly disbursement of subsidy payments to participating SME eateries to maintain their operating cashflows.

## 香港電燈有限公司

### 「關懷有饍」中小企食肆資助計劃全方位數碼系統（飲食券計劃）

港燈在2020年初推出「關懷有饍」中小企食肆資助計劃（計劃），透過派發飲食券，一方面為社會上有需要的人士紓困，另一方面協助本地中小企食肆應對經濟環境帶來的挑戰。

基於整個計劃由籌備至推出只有約3個月時間及避免動用大量人力物力，我們採用一套創新的數碼方案，以先進的自動化機械人流程（RPA）、數據分析及數據圖像顯示，有效管理繁複的後勤工作。當中結合了多個不同的電子平台，包括 eConnect（支援港燈內部開發的手機應用程式平台）、SharePoint（儲存社福機構和食肆的資料）和Tableau（進行數據分析及圖像顯示），有助提升客戶體驗。

透過港燈團隊自行開發的手機應用程式，可追蹤80萬張飲食券經由社福機構派發予受患者的具體情況，而另一個由第三方開發的手機應用程式則提供飲食券使用的數據，經RPA整合這些數據再加上圖像顯示分析，讓我們能實時了解每張飲食券的數碼流程，有效地監察和管理整項計劃，並讓資助能每週發放予參與食肆以維持他們的營運現金流。

## Comments from Judging Panel 評審委員會評語

This Coupon Distribution solution is a good demonstration on End User Computing where the core mobile app was developed by end users through an eConnect code-free programming platform. The entire solution which involved 800,000 \$25 dining coupons, 40,000 beneficiaries, 23 NGO centres, and 220+ SME eateries, was developed and launched within 3 months. Although this is a one-off solution, there is great potential to apply similar concept for other use.

該優惠券分發解決方案很好地展示了最終用戶計算，其中核心手機應用程式是由最終用戶通過 eConnect 無代碼編程平台開發的。整個解決方案在3個月內開發和推出，涉及80萬張25港幣的餐飲券、4萬名受益人、23個非政府組織中心和220多家中小企業餐廳。儘管這是一次性解決方案，但將類似的概念應用於其他用途的潛力很大。

# Smart Business (Solution for SME) Bronze Award 商業方案(中小企業)銅獎

## FreightAmigo Services Limited FreightAmigo - One-Stop Supply Chain Finance eMarketPlace

FreightAmigo = FreightTech + FinTech, a one-stop supply chain finance eMarketPlace pioneer in Asia(PaaS), connecting global shippers, financial institutions, insurance companies and logistics service providers. Nowadays, we provide over 1.2 million instant quotes for business and individual clients per quarter.

The platform integrates sophisticated logistics industry data in real-time through the application of i.e. Blockchain, AI, Big data analysis, thereby standardizing and streamlining the operation process of the supply chain. From sending a document, parcel, or full container and charter flight, clients can get instant door-to-door courier, air, sea, rail, trucking freight quotes for easy comparison and online booking - 24x7 service covering over 250 countries and regions. Clients can also arrange customs clearance and FinTech solutions easily with one click.

Take FinTech solution as an example, clients who submitted trade finance request a click away during booking on the platform can soon receive and compare solutions offered by multiple financial institutions. For both SME & financial institutes, not only can this service greatly improve market transparency but also effectively reduce complex procedures and lengthy processing time of traditional financing.

FreightAmigo aims to set off a new wave of revolution in the traditional trading industry. The affirmation and support from all walks of life make us go ahead. In 2020, we won the Startup Grand Award in TechChallenge — Digitising Trade Finance, organized by the BIS Innovation Hub (BISIH) and the Hong Kong Monetary Authority (HKMA). At present, we have announced the integration with HSBC Smart Solution for an All-round Smart Solution to Tackle Trading Pain Points and Support SMEs. We are also honored to be the first batch of the highest tier startup company in Microsoft Startup Program Hong Kong. Besides, we make use of 'Federated Learning' technology for credit scoring of MSMEs for risk management. FreightAmigo, through continuous cooperation with financing players and cross-industry teams, will further create a more comprehensive supply chain financial platform.

**FreightAmigo**  
FIRST MOVER IN ASIA  
1-STOP SUPPLY CHAIN  
FINANCE EMARKETPLACE



## 友貨運控股有限公司 FreightAmigo - 一站式供應鏈金融平台

FreightAmigo = 物流科技 + 金融科技, 亞洲首個一站式供應鏈金融平台 (PaaS, 平台即服務)。運用獨創的演算法打造人工智能引擎, 分析全球航運大數據, 我們為用戶提供門到門國際快遞、空運、海運、鐵路、貨車運輸即時報價, 並應用機器學習優化路線以提供最合適的國際貨運解決方案。此外, 我們透過區塊鏈技術, 加密國際貨運數據, 助中小企的供應鏈信息可無縫、安全地傳遞, 以安排貿易融資與貨物保險。我們將貨運文件數碼化, 透過API對接, 直接以雲端傳送至相關持份者, 小至寄運文件、大至包機, 用戶在線即時預訂、專業清關及管理國際貨運, 現每季度提供超過120萬個門到門即時報價, 為企業客戶提升超過98%的生產力。

FreightAmigo在推動中小企業貿易融資普及化的成就屢屢獲得國際認可, 更於2020年香港金融管理局 (HKMA) 與國際結算銀行創新樞紐 (BISHK) 舉辦的「創科挑戰賽」中榮獲「貿易融資數碼化優勝者」。現已對接了「滙豐智滙」, 實現物流科技金融方案一站通; 與Microsoft達成了全球業務發展戰略合作關係, 以革新科技共同加速平台研發; 與香港應科院合作開展聯盟式學習, 為中小微企業進行信貸評估, 加快風險管理。FreightAmigo致力「讓貿易更輕鬆」, 促進一個前所未有的供應鏈生態圈。

### Comments from Judging Panel 評審委員會評語

FreightAmigo is an one-stop Supply Chain Finance eMarketPlace which offers a full spectrum of supply chain solutions (including booking, tracking and management on courier, air freight, sea freight, rail freight and trucking) to connect global shippers, financial institutions, insurance companies and logistics service providers altogether. Launched in 2017, it currently serves over 230 countries and regions, and generates over 80,000 instant service quotes a quarter (which shortens the quotation exercise from several days down to a few minutes). It is definitely an innovative solution to resolve the barriers between cross sectors/industries.

FreightAmigo 是一站式供應鏈金融電子市場, 提供全方位的供應鏈解決方案 (包括快遞、空運、海運、鐵路貨運和卡車運輸的預訂、跟踪和管理), 以連接全球托運商、金融機構、保險公司和物流服務提供商。它於 2017 年推出, 目前為230 多個國家和地區提供服務, 每季度生成超過 8萬 個即時服務報價 (將報價工作從幾天縮短到幾分鐘)。這絕對是解決跨部門/行業之間壁壘的創新解決方案。

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

## Success Development Information Technology Company Limited HOUSE101/APS101-All-Round O2O Real Estate Agent Platform



Hong Kong's First All-Round O2O Real Estate Agent Platform

Relying on the information technology nowadays to break through the traditional heavy costing brick and mortar shop model and the big data analysis, to expand the customer base, reduce the operating costs and enhance the competitiveness for property agents with the results of facilitating more transactions and increasing revenue.

“Innovation” – New ways to solve old problems.

“Client Competitiveness”- Upgrade the IT level of small-mid sized property agencies aiming at supporting their daily operations and marketing activities and facilitating transactions, in order to enhance their competitiveness.

To be a leading and cross-region all-round real estate agent platform. Aiming at greatest benefit and efficiency among buyer, landlord, tenant and agent and facilitating more transactions for agents with use of full range of technology-driven tools APS101 and HOUSE101.

## 成功發展資訊科技有限公司 全方位O2O地產代理平台-HOUSE101/APS101

成功發展是一間PropTech 房地產科技公司，香港首個全方位O2O的地產代理平台，支援線上線下既個人地產代理或公司。

香港大約有6,000間中小型地產代理行，他們都遇到行業由來已久既痛點就係資源不足，不能隨時隨地拿到他們想要的資訊，難擴大客戶群，欠缺競爭力。

成功發展的核心價值是提升「客戶競爭力」和「創新」，透過APS101地產代理雲端管理系統，代理可以隨時隨地手機、平板即時跟進客人查詢同搵盤，對比傳統需要專登返公司查閱電腦系統及列印，絕對能提升地產代理既競爭力，還可以用HOUSE101放盤吸納新客源。

與此同時，成功發展憑藉現今資訊科技突破傳統地產代理重成本實體店模式，加強網上的營運能力，為代理擴闊客源及減輕營運成本，從而促成更多交易和增加收入。

### Comments from Judging Panel 評審委員會評語

HOUSE101 is an all-round O2O Real Estate Agent Platform to enhance competitiveness and resolve pain points of small agents. The platform includes: (a) CAPS80 which offers a better profit-sharing mechanism has successfully recruited more than 300 small agents; (b) APS101 which shares the property database through an annual subscription model has engaged over 1,000 individual users; (c) HOUSE101 front end App which allows each agent to display and promote both commercial and residential properties has over 35,000 downloads. It is absolutely a practical and affordable solution for small agents.

HOUSE101是全方位的O2O地產代理平台，不但提升競爭力，而且解決了小型地產代理的痛點。該平台包括：(a) CAPS80 提供更好的利潤分享機制，已成功招募了 300 多個小型地產代理商；(b) 通過年度訂閱模式共享物業數據庫的 APS101 已吸引了一千多個個人用戶；(c) HOUSE101 前端應用程式，允許每個地產代理商展示和推廣商業和住宅物業，下載量超過三萬五千次。對於小型地產代理商來說，這絕對是一個實用且價格合理的解決方案。



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