Hong Kong ICT Awards 2020 香港資訊及通訊科技獎

Smart Mobility Award
智慧出行獎

智慧旅遊
Smart Tourism

智慧物流
Smart Logistics

智慧交通
Smart Transport

Leading Organiser 籌辦機構

GS1® Hong Kong

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# Smart Mobility Award
# 智慧出行獎

## 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 2020. 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.

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。

2020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所有大獎中甄選出「全年大獎」。

## Objective
## 目的

The Smart Mobility Award aims to encourage the development and adoption of Smart Transport, Smart Logistics and Smart Tourism applications, in order to drive the development of smart city and enhance the quality of life, creating a more convenient, safer and more efficient environment for citizens and tourists.

「智慧出行獎」旨在鼓勵開發和採納智慧交通、智慧物流和智慧旅遊相關的應用，以推動智慧城市發展和提升生活質素，為市民和旅客創建一個更便利、更安全和更有效率的環境。

### 1. Building a Smart Hong Kong by encouraging novice Smart Mobility applications

### 1. 鼓勵開發智慧出行方案，同建「智慧香港」

Smart mobility is an integral part of a smart city, which should be well-connected and citizen-centric to allow the easy movement of people and goods. The award programme aims to encourage development of smart mobility solutions that leverage the Internet of Things ("IoT"), big data analytics as well as mobile applications, which in turn will bring convenience to residents and visitors and help create a smarter Hong Kong.

智慧出行是智慧都市不可或缺的一部分。智慧都市應該四通八達，以市民的便利為依歸，讓人貨流動皆可暢行無阻。本計劃旨在鼓勵開發有利智慧出行發展的方案，希望集物聯網、大數據分析和流動應用程式之大成，便利訪客和居民，促進香港作為智慧都市的發展。

# Smart Mobility Award
# 智慧出行獎

HONG KONG
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2020 香港資訊及
通訊科技獎

## 2. Championing Hong Kong as a hub for ICT talents, creativity and innovation

The award programme will serve as a platform for local industry players to engage in dynamic and transparent exchange with renowned ICT professionals, so as to spark innovative ideas and collaboration, and to nurture local ICT talents. GS1 Hong Kong will also nominate eligible winners for other regional and international awards in recognition of their creativity and innovation.

## 2. 匯聚資訊科技專才，打造創意創新之都

本計劃將成為本地業界與知名資訊及通訊科技專才交流的平台，藉雙方熱烈而坦誠的交流促進創新和合作，並培養科技人才。符合條件的得獎者更可獲香港貨品編碼協會提名競逐其他地區性及國際獎項，以表揚他們創意與創新的成果。

## 3. Inspiring Local Industry Adoption

Innovation and technology are drivers of economic growth and the key to strengthening business competitiveness. The Award recognises the successful implementation of the concept of Smart Mobility, helping users in Transport, Logistics and Tourism understand the value of smart business applications, encouraging industry adoption, creating a mutually beneficial interaction between technology and business sectors, which leads to a sustainable ecosystem of technology-driven new business paradigm.

## 3. 鼓勵本地業界採用創新科技

創新和科技不但促進經濟增長，更是加強企業競爭力的關鍵。獎項對成功實踐智慧出行概念的個案予以肯定，使交通、物流和旅遊業用戶更了解傑出商業科技應用的價值，藉此鼓勵業界採用成功的技術，建立科技界與商界之間的互惠關係，構築以科技為本的嶄新及可持續發展的商業模式。

# Message from Chief Executive of Leading Organiser
# 籌辦機構總裁獻辭

**GS1 Hong Kong**

Ms Anna LIN, JP, FCILT

Chief Executive
GS1 Hong Kong

林潔貽女士，JP，FCILT
香港貨品編碼協會總裁

GS1 Hong Kong is thrilled and honoured to be appointed as the leading organiser of the Smart Mobility Award for the third consecutive year. This award category aims to recognise industry innovators for their contribution on the development of new technologies and their active adoption of smart applications, helping to promote smarter business, better life.

For over 30 years GS1 Hong Kong has been committed to fostering knowledge exchange and collaborations among ICT industry players, and promoting technological adoption to uplift the competitiveness of the local industries. This year the adjudication process was challenging amid COVID-19, but we are impressed by the outstanding performances of many SMEs contestants in the three streams of the Smart Mobility Award, in which they have garnered most of the awards including the Smart Mobility Grand Award. This proves that even under limited resources, SMEs are capable of developing or deploying innovative solutions to level the playing field in the market, at the same time making contributions to developing Hong Kong as a smart city.

On behalf of GS1 Hong Kong, I would like to express my sincere gratitude for the support from the Office of the Government Chief Information Officer, supporting organisations as well as our professional judging panel and assessment panel that have made the Smart Mobility Award a success. GS1 Hong Kong will continue to work closely with the Government and our industry partners to support Hong Kong's development into a world-class smart city.

Lastly, I would like to extend my heartiest congratulations to all winners and hats off to all participants. Besides their time and effort on joining the Hong Kong ICT Awards, they have contributed to the socio-economic development for our smart society.

香港貨品編碼協會很榮幸連續第三年成為「智慧出行獎」的籌辦機構。這個獎項旨在表彰旅遊、物流及運輸業在資訊及通訊科技研發的貢獻及新科技應用，以促進智慧商貿、優質生活。

30多年來，本會一直致力推動資訊及通訊科技業界的合作和知識交流，並鼓勵本地產業善用科技，提升競爭力。在2019冠狀病毒病影響下，今年的評審過程充滿挑戰，但我們喜見在「智慧出行獎」三個組別中，來自中小型企業的參賽者表現非常出色，囊括本屆大部份獎項，包括智慧出行大獎。這證明即使資源有限，中小企亦可研發出或主動應用創新的優質方案，富有不比大企業遜色的競爭力，為推動智慧城市發展作出貢獻。

本屆「智慧出行獎」得以順利舉行，實有賴各方的鼎力支持。本人謹代表香港貨品編碼協會衷心感謝政府資訊科技總監辦公室、各支持機構、專業的評審委員會及審核委員會。本會將繼續與政府及各業界合作夥伴緊密聯繫，共同推動香港成為一個世界級的智慧城市。

最後，本人在此恭賀所有得獎者及非常感謝各參與機構。他們不僅為是次活動中付出了時間及努力，還為智慧社區的社會經濟發展作出了貢獻。

# Message from Chairman of Final Judging Panel
# 評審委員會主席獻辭

Ir Susanna SHEN
FHKIE, FHKCS, MBCS CITP, EMBA

General Manager - Corporate
Information Technology
The Hong Kong and China Gas
Company Limited (Towngas)

孫淑貞工程師
香港中華煤氣有限公司(煤氣公司)
總經理－企業資訊科技

I am honoured to be the Chairman of the Final Judging Panel of this year's Smart Mobility Award. The HKICT Awards 2020 for Smart Mobility includes 3 streams: Smart Transport, Smart Logistics and Smart Tourism. These areas are important elements contributing to the HKSAR's Smart City initiative. With the high quality outcomes and innovation of the awardees, I believe the HKSAR government can unleash these great potentials and opportunities in driving the Smart City mission.

I am impressed by the passion and creativity of the awardees who have harnessed the power of technology to come up with the remarkable ideas to improve the quality of life of the citizens and also help the under-privileged.

With the outbreak of COVID-19, this year's judging is more challenging. The judging process was conducted in hybrid mode with some judges and participants attending via video conferencing. Despite the complication, GS1 Hong Kong, the leading organiser of Smart Mobility Award, has organised the judging arrangement in an orderly manner and the entire process was conducted smoothly.

Taking this opportunity, I would like to congratulate the winners of this year's award and express my sincere gratitude to the leading organiser and members of the judging panel, for contributing the time and effort to make this meaningful Award a great success.

我很榮幸擔任今屆「智慧出行獎」的評審委員會主席。今屆的「智慧出行獎」分為三個組別，分別是智慧交通、智慧物流及智慧旅遊。這三個範疇均是構成香港特別行政區智慧城市措施的重要元素。憑藉得獎者的優秀質素、技術及創意，我相信香港特別行政區政府可以發揮出智慧城市的巨大潛力及機遇。

得獎者的積極參與和創意讓我留下深刻印象。他們充份利用科技的潛能創造出引人入勝的新概念，有效改善市民的生活質素及幫助弱勢社群。

受到2019冠狀病毒病的影響，今年的評審工作比以往更具挑戰性。今年的評審以混合模式進行，部份評審及參賽者選擇透過視像會議參與。儘管過程較以往波折，作為「智慧出行獎」籌辦機構的香港貨品編碼協會有條不紊地安排及組織評審工作，令整個評審過程能順利進行。

我謹此祝賀本年度所有得獎公司和參賽者，並衷心感謝籌辦機構和評審委員會成員的幫忙和支持，令饒有意義的「香港資訊及通訊科技獎」能完滿舉辦。

# Smart Mobility Award Judging Panel
# 智慧出行獎評審委員會



## Chairman
## 主席

**Ir Susanna SHEN    孫淑貞工程師**
General Manager - Corporate Information
Technology
The Hong Kong and China Gas Company
Limited (Towngas)
香港中華煤氣有限公司(煤氣公司)
總經理－企業資訊科技

## Deputy Chairman
## 副主席

**The Hon Charles Peter MOK, JP    莫乃光議員，JP**
Legislative Councillor (Information Technology)
Legislative Council of the Hong Kong Special
Administrative Region
香港特別行政區立法會
立法會議員(資訊科技界)

## Members
## 成員

**Ms Wendy CHOW    周寶芬女士**
Head of Innovation and Technology
- Information & Communications Technology
Invest Hong Kong
香港特別行政區政府投資推廣署
創新及科技行業主管 - 資訊及通訊科技

**Mr Ken CHUNG    鍾鴻興先生**
Chairman
The Chamber of Hong Kong Logistics Industry
香港物流商會
主席

**Ms Sylvia CHUNG    鍾慧敏女士**
Deputy Managing Director
L'hotel Management Company Limited
如心酒店管理有限公司
副總裁

**Ir Dr David HO, JP    何志盛博士工程師，JP**
Group General Manager
Hong Kong Ferry (Holdings) Company Limited
香港小輪(集團)有限公司
集團總經理

# Smart Mobility Award Judging Panel
# 智慧出行獎評審委員會

## Members
## 成員



**Ir Stephen LAU, JP 劉嘉敏工程師，JP**
Secretary General (Honorary)
Hong Kong Computer Society
香港電腦學會
秘書長(名譽)



**Dr Venus LUN　倫婉霞博士**
President
The Chartered Institute of Logistics and
Transport in Hong Kong
香港運輸物流學會
會長



**Mr Brian WU　胡百浠先生**
Chairman
Hong Kong Association of Freight Forwarding
and Logistics (HAFFA)
香港貨運物流業協會
主席

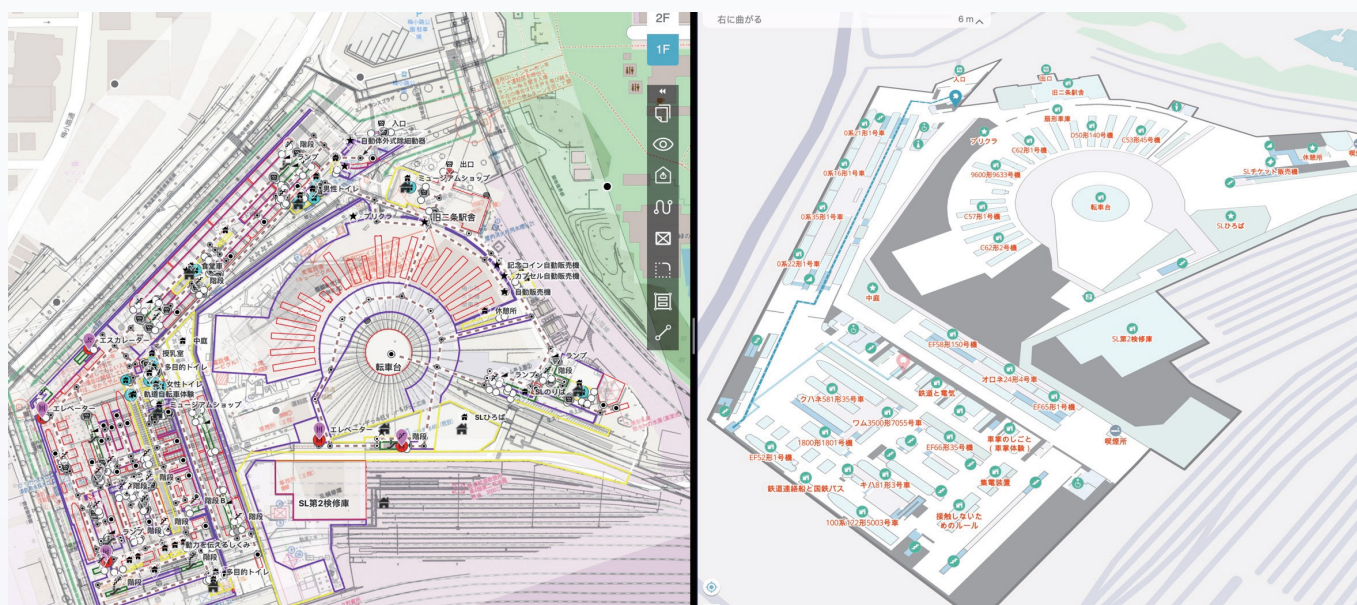# Smart Mobility Grand Award and Smart Mobility (Smart Tourism) Gold Award

# 智慧出行大獎 及 智慧出行(智慧旅遊)金獎

## Maphive Technology Ltd.
## 蜂圖科技有限公司

www.mapxus.com



### Mapxus Barrier-free Indoor Navigation Platform

High-density and high-rise buildings are the characteristics of some smart cities nowadays. Due to the limitation of GPS signals between high-rise buildings, indoor environment appears to be a complicated maze to the citizens, especially to visually impaired people, wheelchair users, elderly and travellers. Therefore traditional indoor positioning technology, which is highly dependent on hardware, is not feasible to support fast implementation of city-scale indoor mapping.

Mapxus has been under research and development since 2013. The mission is to make indoor mapping simple and smart, and empower everyone find the way. It is a brand-new indoor mapping technology and global indoor map platform. It helps digitalise the indoor environments by providing map, positioning and 360 degree view. Remarkably, Mapxus successfully reforms indoor mapping in the market by using AI and algorithms that dramatically cut implementation cost and time. Mapxus is also recognised as the Apple Indoor Map Program partner to enable iOS-based indoor positioning.

### 蜂圖無障礙室內導航平台

高建築密度及高樓大廈是不少智慧城市現今的特徵。受全球定位系統(GPS)訊號在高樓大廈之間的接收限制影響,市民在室內環境往來猶如置身於巨大複雜的迷宮中,尤其影響視障人士、使用輪椅人士、長者及旅客。但是,由於傳統室內定位技術過份依賴硬件設備,往往未能支援城市級別的室內地圖進行快速部署。

公司自2013年起研發Mapxus,目標是以智能技術簡化室內地圖製作,開放給大眾使用。Mapxus是全新的全球室內地圖技術和服務平台,能有效地將室內空間數碼化,並提供地圖、定位和360度實景服務。Mapxus成功活用AI和演算法大幅減省實施時間和成本,並成為蘋果公司「室內地圖計劃」的認可夥伴,在iOS系統中進行室內定位服務。
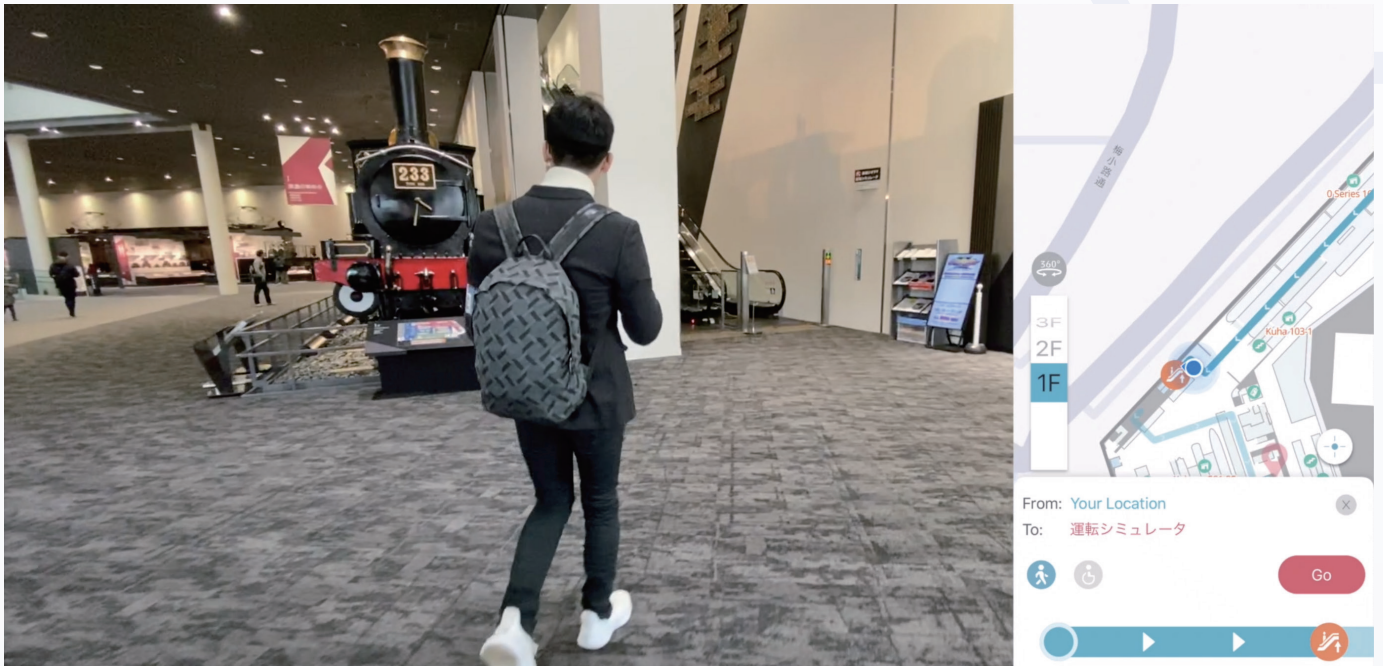
Since 2019, Mapxus has covered around 1,000 buildings with digital maps and has enabled around 100 buildings with indoor positioning in Hong Kong. One map for multiple buildings and multiple applications is the key advantage of Mapxus technology, which is a well-demonstrated integration by software developers including indoor capability in mall directory, digital marketing, tourist guide and even barrier-free navigation applications. Now you can find Mapxus in foreign countries, such as Japan and Singapore.

In the future, Mapxus will continue to utilise city-based indoor map data. There will be much more travel apps powered by Mapxus technology to help travellers manage their visits to Hong Kong and overseas.

自2019年起Mapxus在香港已製作約1000座建築物的電子地圖，當中約100座建築物更具支援室內定位功能。一圖多樓多用是Mapxus的關鍵優勢，公司已成功與夥伴開發者整合到不同應用項目中，包括商場導覽、數碼營銷、旅遊和無障礙出行等。現在Mapxus的服務已延伸至海外地區，如日本和新加坡。

在未來，平台會繼續善用室內地圖數據，開發出更多建基於Mapxus室內定位技術的旅遊app，方便大家輕鬆暢遊香港和外地。

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

Mapxus is a breakthrough innovation of indoor navigation platform. With the use of WiFi fingerprints, sensor fusion and AI, indoor venues can introduce this hardware-free solution easily with reduced deployment cost, implementation time and maintenance cost. This user-centric solution also supports turn-by-turn indoor navigation to enhance the mobility of tourists in unfamiliar attractions, and has been implemented successfully in many major cities across the Asia Pacific region with significant potential for growth and development.

Mapxus是一個突破性的創新室內導航平台。配合WiFi指紋、傳感器融合技術及人工智能，室內場所便能引入這個不需要安裝其他硬件的方案，大大減低項目成本、安裝時間及保養開支，讓更多旅客享受方案帶來的便利。這個用戶為本的方案支援實時室內路線導航，便利旅客在不熟悉的場所中出行，並已經在亞太地區多個主要城市成功應用，極具發展潛力。

# Smart Mobility (Smart Tourism)
# Silver Award
# 智慧出行(智慧旅遊)銀獎

## Neoma Ltd.
www.neoma.ai

### Gaia

Neoma combines its proprietary cloud-based AI technology with other leading-edge technologies like location intelligence to create Gaia, the world's first AI assistant that delivers a VIP journey at scale. Gaia helps enhance efficiency and drives better customer experience via a number of services: guest recognition (through device like room key), behaviour prediction (through a mix of IoT sensors, RFID devices, AI, etc.), real-time staff awareness and allocation, AI-powered servicing and operational insights to offer a customised journey for every guest.

Gaia is well-suited for a wide range of properties including hotels and resorts, residential and senior homes, commercial real estates, airports, lifestyle and wellness centres, entertainment and gaming facilitates, etc. Considered as 'the future of hospitality' by its partners, Gaia has a capacity of 100,000 records per second along with a bank-grade encryption framework.
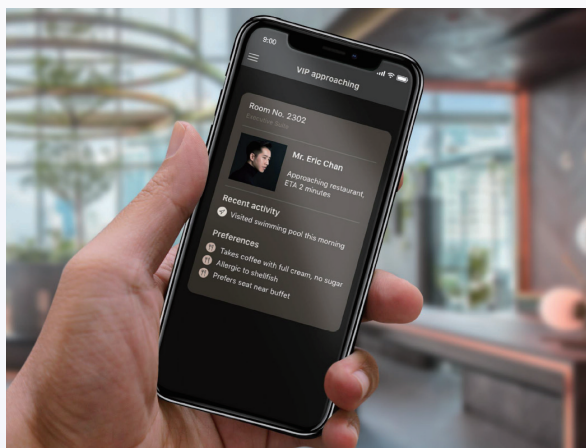
The project team has worked with 30+ clients across Asia and Europe including Peninsula, Hongkong Land, Wheelock and PURE, to connect 33,180 sensors & devices to the Gaia platform and a network of 60 partners worldwide.

### Gaia

Neoma將專利的雲端人工智能技術與其他先進科技如定位智能結合,研發出世界首個將VIP體驗規模化的人工智能助手Gaia。Gaia能提供一系列服務來提升公司營運效率,打造更佳的顧客體驗:客人識別(透過房卡等裝置);行為預測(透過各種物聯網傳感器、RFID裝置及AI技術等);實時員工通知和人手分配;及人工智能化服務和營運商業見解,讓公司為每位顧客提供度身訂造的體驗。

Gaia適合各式物業,包括酒店及度假地方、家居及老人院舍、商用物業、機場、生活及健體中心、娛樂及賭博場所等幫助企業增強業務表現。從服務業到房地產業務,Neoma幫助企業更有效地利用實時定位數據,為客人帶來更佳的個人化體驗以提業升營運效率。採用銀行級別加密架構的Gaia擁有每秒處理100,000條記錄的技術和能力,並獲合作夥伴視為「服務業的未來」。

項目團隊已跟30多家企業客戶合作,包括半島酒店、香港置地、會德豐和PURE,遍及歐亞各地。至今,總共有33,180個傳感器和設備連接到Gaia平台,連繫遍佈世界各地的60位合作夥伴。

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

Through multiple technologies including IoT, AI and location intelligence, Gaia demonstrably transforms a standard hotel stay into a highly-personalised journey to offer VIP experience. The smart operations concept contributes to better customer engagement, satisfaction, retention, which results in improved income, as well as increased staff efficiency. Gaia is applicable in different scenarios like tourist spots and facilities, translating into many possibilities.

通過包括物聯網、人工智能和位置智能等多項技術,Gaia能將普通的酒店住宿轉化成高度個人化的旅程,為旅客提供貴賓式體驗。方案的智慧營運概念能增加客戶參與度、滿意度、忠誠度,從而增加收入,還可以提升員工效率。除了酒店,Gaia亦能應用於不同的旅遊景點及設施,擁有許多發展可能性。

# Smart Mobility (Smart Tourism) Bronze Award
# 智慧出行(智慧旅遊)銅獎

## Lincogn Technology Co. Ltd.
## 嶺勤科技有限公司
www.yoswit.com

### YoStay Smart Stay Solution

YoStay Smart Stay Solution is a contactless hotel solution with Smart Check-in, Smart Room, Smart Management and Smart Stay functions, which aims to provide hotel guests with perfect welcoming and accommodation experiences.

The Pre-Check-in function allows the guests to upload their passports for online check-in verification before they arrive at the hotel. After that, guests can simply get an app key to gain access to the room and save time with great convenience. Guests can also set an arrival time so that the room can be adjusted to the most comfortable temperature before the guests step into the room.

By using the customisable Smart Stay Application, guests can control all electric equipment in the hotel room upon arrival, and have access to travellers' information for room service ordering, cleaning service booking, calling front desk and obtaining the latest facilities information. Even outside the hotels, travellers can explore the best shops for tourists, buy entrance ticket of tourist attractions and get transportation and dining suggestions.

All the functions of YoStay are based on one mission – Travellers' Better Stay.



### YoStay智能旅遊住宿應用方案

YoStay 智能旅遊住宿方案是一個集免接觸智能入住、智能房間、智能管理及智能住宿於一身的智慧酒店方案,旨在為遊客提供完美的迎客和住宿體驗。

優先登記系統讓旅客在到達酒店前便可以上傳護照驗證身份,預先進行網上登記。完成後旅客便可以在應用程式中取得密鑰,或從電郵取得密碼,到埗後便能輕鬆進入房間,節省時間。旅客亦可預先提供預計到達時間,讓YoStay在指定時間前將房間調節到最舒適的溫度。

入住後,旅客可以通過客製化的智能旅遊住宿應用程式及安裝Yoswit智能產品,控制酒店房間內所有電器,並能透過YoStay為旅客提供的酒店資訊預訂客房服務或清潔服務、直接致電酒店櫃台及獲取最新的設施資訊。即使在酒店外,YoStay亦可讓旅客尋找最適合的商店、購買景點門票及取得交通和用餐建議。

YoStay所有功能都旨在為旅客提供更好的住宿體驗。

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

The four smart functions of the solution provide an exceptional experience for tourists, from Pre-Check-in before arrival, to room control and a variety of travel information during the stay, allowing tourists to enjoy the fun of travelling. The tailor-made applications and functions to every hotel is another proposition of the solution, implying high potential of applications in other regions.

方案的四項智能功能為旅客提供卓越的住宿體驗,從抵達酒店前預先登記入住,到抵步後利用應用程式控制房間、獲得各式各樣的旅遊資訊,讓旅客盡情享受旅途,非常有用。方案的另一個賣點是能夠為每家酒店度身訂造不同功能,具備拓展到其他地區應用的潛力。

# Smart Mobility (Smart Logistics) Silver Award
# 智慧出行(智慧物流)銀獎



## Chow Sang Sang Jewellery Co. Ltd.
## 周生生珠寶金行有限公司
www.chowsangsang.com

### Intelligent Fulfillment Centre

Intelligent Fulfillment Centre (IFC) is an innovative robot-supported logistics facility, that has revolutionised jewellery warehousing and order fulfilment. This industry game-changer uses robots and intelligent systems to efficiently fulfil orders, handling more than 700,000 pieces order picking per week with a staff of 50.

IFC's success lies in the way it integrates robotics and intelligent systems, including automated vehicles, robotic arms and vision analytics. It overcomes the inefficiencies of traditional warehousing; tasks are fully automated and handled with speed and accuracy. From picking and packaging small pieces of jewellery, inventory management, to operations management and beyond - IFC seamlessly handles the company's B2B and B2C demands. The tailored design system is to fully integrate all hardware while offering the flexibility and efficiency.

IFC's design and implementation were conducted in Hong Kong by a team of Hong Kong engineers. Located in Southern China, IFC has been hailed as a marvel logistical advancement. Recognising IFC's innovations, two machines have been patented in Mainland China while the third one is patent-pending.

### 智能配送中心

智能配送中心(IFC)是一個由機械人支援的綜合物流設施,適用於珠寶業務的倉存管理和訂單執行。IFC使用大量機械人,結合精密智能系統,大大提升效率,每週僅需五十名員工,便可處理七十萬件訂單揀選,為珠寶業界一大突破。

IFC內的自動導向車、機械臂和視覺分析技術三者巧妙結合,集成一套大型自動化智慧機器。創新設計克服了獨立揀選和包裝小型珠寶的困難,更靈活滿足各項B2B和B2C的需求。機器硬件更與量身訂製的智能系統融合為一,靈活地保存庫存記錄、管理操作和控制機器。

IFC的規劃、設計以至整合工作均由香港工程師團隊在香港進行,中心廠房坐落於中國南部。其創新工業應用也已獲認可,其中兩台機器於中國大陸獲得相關專利,第三台機器的專利申請也正待確認中,標誌著珠寶業界突破的里程碑。

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

Although the application of intelligent robots for warehouse management and order fulfilment is becoming increasingly popular, such application in logistics facility of jewellery industry is still very innovative. The Intelligent Fulfillment Centre is a complex robot-supported logistics facility and a breakthrough in the jewellery industry. Being able to process up to 700k orders per week under limited manpower, and overcome the difficulties of picking and packaging small pieces of jewellery individually, indeed sets a new standard for the industry.

在倉庫管理及訂單處理中採用智能機械人越來越普及,但應用在珠寶業的物流設施上卻是非常創新。智能配送中心是一個由機械人主導的綜合物流設施,能在人手有限的情況下每週處理高達70萬張訂單,並成功克服獨立揀選及包裝小型珠寶的困難,實是業界的一大突破。

# Smart Mobility (Smart Logistics)
# Silver Award
# 智慧出行(智慧物流)銀獎

## Hong Kong TV Shopping Network Company Ltd. / BPS Global Holdings Ltd.
## 香港電視購物網絡有限公司 / 威裕環球控股有限公司
www.hktv.com.hk / www.bps-group.net

### Transformation of Logistics for Online Shopping

In response to the great market demand for online shopping services in Hong Kong, HKTVmall has been making tremendous investments in technologies for warehousing, logistics & delivery services over the past few years, in order to explore the optimum path to best-in-class online shopping operation model that suits Hong Kong's business environment.

BPS Global is a leading provider of logistics technology. As a long term partner with HKTVmall, BPS Global is working closely with the online shopping mall to provide logistics automation including efficient Autonomous Guided Vehicle (AGV), Conveying System, Ergonomic Lifting Device and Crossbelt Sorting System that combine cutting-edge technologies such as robots, big data, AI and others to ensure efficient delivery of quality products and services to customers directly.

HKTVmall served more than 813,000 unique customers in first half of 2020, and expanded their fulfilment centres from Tseung Kwan O in 2018, to Tsing Yi and Tuen Mun in 2019 by adopting logistics technology of BPS Global. The adoption of logistics technology has opened up a new direction for retailing in Hong Kong, and helped companies to deal with changes in shopping habits of people.

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

With the introduction of big data analytics, AI, robotics and cloud computing in its logistics automation, HKTVmall is capable of handling more orders by reducing the process time and resources per order. The logistics automation solution successfully solves the limitation of warehouse capacity, manpower and order-picking accuracy, improving online shopping experience. It also formulates an effective approach to respond to the ever changing and expanding O2O shopping market in the long term.

### 網購上的物流轉型

過去數年香港網上購物需求大增,驅使HKTVmall在倉存、物流及運送服務科技上作出了龐大投資,拓展最適合香港營商環境及具規模的網購營運模式。

威裕環球為提供物流科技設備的領先供應商,亦是HKTVmall的長期合作夥伴。威裕環球為此網上平台提供物流自動化的解決方案,包括高效的自動導向車(AGV)、物流輸送設備、人體工學升降設備和分揀系統,並結合了各種尖端技術包括機器人、大數據、人工智能等,致力確保產品質素及為客戶提供準時及可靠的派送服務。

透過與威裕環球緊密合作,HKTVmall成功以物流科技擴展其物流中心,從2018年新落成的將軍澳配送中心,拓展至2019年落成的青衣及屯門配送中心。在2020年上半年,HKTVmall已服務超過813,000名消費者。物流科技的應用為香港零售業開闢了新方向,助企業應對消費者正在改變的消費模式。

透過於物流自動化上引入大數據分析、人工智能、機械人及雲端運算等科技,HKTVmall成功減少每張訂單的處理時間及資源,進一步提升整體的訂單處理能力。物流自動化方案成功解決倉庫有限空間、人手資源及訂單處理準確度等問題,改善顧客的網上購物體驗。長遠而言,此方案可助企業更有效應對不斷變化和持續增長的線上線下市場。

# Smart Mobility (Smart Logistics) Certificate of Merit
# 智慧出行(智慧物流)優異證書

## Kin Shun Information Technology (Hong Kong) Ltd.
## 建順資訊科技(香港)有限公司

www.zeek.one

### ZEEK

Zeek, managed by Kin Shun Information Technology Ltd. ("Kin Shun"), is a smart last-mile logistics platform launched in 2019. Zeek platform provides Software-as-a-Service (SaaS) and smart logistics solutions for international food & beverages, e-commerce and fast-moving goods companies to build up online-to-offline (O2O) business.

By integrating technologies such as Artificial Intelligence (AI), logistics technology, big data and operation, the 5 core competencies of Zeek platform are as follow:
• O2O SaaS model - Provides both technology capabilities and operational advices including pricing, delivery model, service monitoring mechanism
• Agile integration capability - API integration with a wide range of systems, e.g., customer-end apps, customer relations management (CRM) system and point of sales (POS) system
• Intelligent logistics approach - Fully automatic and intelligent in delivery map planning, store dispatch algorithms, resources dispatch and routing
• Strong fleet management - With a fully automated courier grading structure, courier ratings are automatically adjusted according to service efficiency, active ratio and customer service quality, and effectively engage high-quality crowdsourcing courier network
• Big data capability - Big data that combines internal operational data and external data (e.g. weather condition, traffic, restaurant dine-in traffic) are leveraged to optimise delivery model

Zeek is growing at high speed and its business has expanded to overseas countries like Singapore, Malaysia, Thailand, etc., offering one-stop solutions for large-scale multinational corporations including McDonald's, KFC, Starbucks and Decathlon.

### ZEEK

建順資訊科技有限公司於2019年創立智慧物流平台Zeek，為食品及餐飲、電商平台、快速消費品等國際企業提供一站式軟件即服務(SaaS)及最後一公里配送解決方案。

Zeek結合人工智能、物流技術、大數據與營運基礎，以五大核心能力，賦能各行業利用配送解決方案：
• O2O SaaS解決方案 - 提供技術及營運策略建議，包括配送服務、定價模型和服務優化
• 多元化系統搭建 - 多元API介面，可與多個系統如客戶終端應用程序、客戶關係管理(CRM)及銷售時點情報系統(POS)對接
• 智慧及自動化配送 - 運用智慧技術邏輯定義配送劃區、路線及派單等物流活動
• 自有眾包運力管理 - 透過自動化的物流配送系統，就服務效率、訂單分佈、顧客服務質素等分析數據作出調整，使配送資源靈活調配最大化
• 企業大數據資料庫 - 整合內外部營運輸據(如天氣、交通、客人於餐廳進餐記錄)，分析配送資料和指標

憑藉豐富的經驗、龐大的營運規模與大數據應用，Zeek的業務已迅速拓展至新加坡、馬來西亞、泰國等海外市場，並為麥當勞、肯德基、星巴克、迪卡儂等大型跨國企業提供全方位解決方案。

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

Embracing the new trend of O2O business, Zeek offers an effective B2B platform to fulfil the soaring demands of last-mile delivery. Zeek links up marketing, ordering, payment and delivery in its one-stop SaaS platform, enabling clients from F&B, e-commerce and FMCG sectors to optimise last-mile delivery intelligently and monitor service performance with big data. Zeek has expanded its service to other Asian countries and illustrated great potential and reliability in overseas operation.

Zeek提供了一個能有效滿足「最後一公里」物流配送需求的B2B平台，以應對日漸普及的O2O商貿新趨勢。Zeek的一站式SaaS平台集市場推廣、訂單、付款及派送功能於一身，讓來自飲食、電子商貿及快速消費品行業的企業客戶可以更輕鬆地善用大數據優化「最後一公里」配送及監察服務水平。Zeek成功將服務拓展至亞洲其他城市，於海外營運上展現了高可靠度及發展潛力。

# Smart Mobility (Smart Logistics) Certificate of Merit
# 智慧出行(智慧物流)優異證書

## Shopkyo Ltd.
spaceship.hk

### Spaceship

With the aim to reform the traditional courier industry, Spaceship creates the first mobile platform in Hong Kong for users to instantly compare and book global and domestic door-to-door courier shipment online. The service was officially launched to the market in late Sept 2019.

Through technologically innovative application and humanised design, Spaceship simplified the whole shipment booking process into just 4 steps, which speeds up the preparation time by 6 times when compared with the traditional way of shipment booking. By leveraging big data analysis, Spaceship recommends the best courier options for specific shipment and reminds shippers of special shipping requirements.

Together with professional logistics and customs clearance support, Spaceship creates an all-in-one, fast and easy way for all users, even for those without any knowledge on courier service and logistics operation, to choose the best-fit courier service instantly online with great convenience.

Spaceship has partnered with over 30 world-class logistics service providers, which makes shipment more accessible to the general public than ever. Everyone can enjoy door-to-door logistics service covering over 280 countries at a discounted price. With a 24-hour online system, users can arrange shipment anytime and anywhere.

The uniqueness, innovation level and user-friendliness of Spaceship contributed to the impressive users' patronage and market penetration shortly after the official launch. In just 10 months after its official launch, Spaceship has reached over 1 million quotations online with a membership base of 85K.

### Spaceship

為了改革傳統快遞業，Spaceship於2019年9月下旬推出了香港首個國際及本地快遞平台，讓用戶可以立即比較及於線上預訂全球及本地門到門快遞服務。

通過創新的科技應用和人性化的設計，Spaceship將整個寄件預訂流程簡化至僅僅4個步驟，大大縮短傳統寄件所需的準備時間達6倍。透過大數據分析，Spaceship能夠按用戶輸入的寄件資料，推薦最佳的快遞方式並提醒派送員該快遞的特殊運送要求。

結合專業物流團隊經驗和物流清關支援，Spaceship創造了一個一站式、簡單及便捷的平台，讓普通市民，甚至是對快遞服務和物流操作缺乏知識的用戶，都可以輕鬆預約到最切合需要的快遞服務。

Spaceship與超過30間物流服務供應商達成官方合作，讓大眾可使用折扣價，輕易預約到全球超過280個國家的門到門物流服務。通過24小時線上預約系統，用戶可以隨時隨地於網上安排寄件。

憑藉其獨特性、創新度及為用戶帶來的便捷度，Spaceship正式成立後的短短10個月間，已獲多個市場應用，並擁有85,000位會員及達至超過一百萬個報價。

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

Spaceship is the first global courier comparison platform in Hong Kong for the general public, who are usually unfamiliar with international courier service and logistics operation, to choose the best-fit courier service with logistics and customs clearance support. The uniqueness and user-friendliness of Spaceship contributed to their impressive users' patronage in just few months after official launch.

Spaceship是香港首個國際快遞比較平台，讓不熟悉國際快遞及物流運作的普羅大眾，可以選擇最適合他們的快遞服務供應商，並同時提供物流及清關支援，減少以往繁瑣費時的申請手續。憑藉其獨特性和便捷性，Spaceship在推出短短幾個月內便成功吸引大量客戶使用。

# Smart Mobility (Smart Transport) Silver Award
# 智慧出行(智慧交通)銀獎

## Locolla Ltd.
loco.hk

### LocoBike

As the only bike-sharing platform in Hong Kong, LocoBike has always been offering a low-carbon transportation option to the community since its launch in 2017, with around 190,000 registered users of its Loco app.

### 樂區踩

LocoBike為全港唯一共享單車服務供應商，自2017年起一直致力將「城市單車　綠色出行」的理念推廣到社區。現時，其手機應用程式Loco已擁有19萬名註冊用戶。



Despite the fact that the ratio of daily passengers commuting by public transport has already gone up to 90%, the traffic dilemma and air pollution in Hong Kong remain insoluble. In view of high demand of low-carbon transportation, LocoBike provides a systematic bike-sharing service empowered by IoT technologies that allows users to search and unlock the bikes easily through mobile app, which helps alleviate the pressures on road traffic and reduce air pollution.

To promote service diversification, LocoBike expanded its service to leisure activities booking and e-commerce platform last year. By providing matching services for users and local shops, different needs of the community in food, clothing, housing and transportation can be addressed, which in turn drives domestic consumption and transforms Loco to a one-stop lifestyle platform.

雖然香港有接近九成人使用公共交通工具，但交通擠塞問題依然嚴重，空氣污染亦長期處於甚高水平。LocoBike的共享單車服務系統配備IoT技術，讓用家可以透過應用程式搜尋準確的單車位置定位及快速解鎖，為市民提供低碳出行的選擇，同時減輕城市交通壓力及污染問題。

去年，Loco Bike 將業務拓展至本地活動體驗預訂及網上購物平台，透過此多元化平台連繫用家及本地小店，全方位支援市民衣食住行的需要，積極推動本地消費的同時將Loco轉化成本地一站式生活平台。

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

LocoBike incorporates ICT elements in its self-invented smart bikes to improve fleet management, enhance biking experience and tackle illegal parking by utilising operating data. Besides bike rental, LocoBike has expanded its business into leisure activities booking and food ordering to offer greater convenience to commuters and travellers, transforming towards a sustainable business model.

LocoBike將資訊及通訊科技元素注入其自家研發的智能單車上，以改善車隊管理及提升使用體驗，並利用營運數據解決違例泊車問題。除共享單車服務外，LocoBike亦將業務擴展到玩樂預訂服務及食品訂購，為通勤人士和旅客的衣食住行帶來便捷，並轉化成一個可持續發展的商業模式。

# Smart Mobility (Smart Transport) Silver Award
# 智慧出行(智慧交通)銀獎

## oneCHARGE Solutions Ltd.
## 即充能源有限公司
www.onechar.ge

### oneCHARGE 3 Phase 21kW AC Fast EV Charging System

oneCHARGE, a Korea, Hong Kong and Macau based start-up company founded in 2017, has a mission to accelerate the development of EV infrastructure, and is dedicated to developing innovative hardware and software technology that enable EV owners, property owners and developers, government, charging network operators, car manufacturers and fleet operators to take full control of EV chargers and charging stations through smartphones and browsers. The EV chargers, combined with oneCHARGE APP and management console, provide users with unparalleled levels of control and information in the charging process, and are delivered with reasonable pricing and easy-to-use package experience.



Specialising in electric vehicle charging systems design, as well as Computer Vision, AI and cloud technologies, oneCHARGE enables the optimisation of usage rate and operational efficiency compared with traditional EV chargers, smoothing the operation flow for both operators and users. oneCHARGE also increases the reliability of EV charging system with its expertise in local user experience and design.

In the past few years, oneCHARGE has successfully developed a workable, truly innovative product line which is widely recognised by business experts and organisations, aiming to become a major EV charging solution provider in Korea and other Asian countries.

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

With the use of computer vision, AI, cloud technologies and mobile APP, this easily installed charging solution provides great convenience for both users and operators. Users can activate the charging station in 15 seconds, pay the charging fee and find the nearest EV charging station, and operators can achieve remote operations and conduct business analytics. Under the growing trend of electric vehicles, the system has high potential to be widely adopted both locally and overseas.

### oneCHARGE三相21千瓦 交流式快速電動車充電方案

oneCHARGE於2017年在香港成立,是一家領先業界的全方位電動車充電解決方案供應商,憑籍其創辦人前瞻性的定位及概念,並在香港數碼港的支持下成功開發出初代電動車充電站及營運平台,讓電動車車主、業主、政府、充電設備營運商、汽車生產商及車隊管理團隊能透過智能手機及瀏覽器管理及搜尋充電站。方案將充電設備與應用程式及管理控制台融合,提供合理價錢及易於使用的服務予用家,為自動化及無人化電動車充電站發展踏出第一步。

oneCHARGE電動車充電站內置電腦視覺、人工智能及雲端技術,除了增加電動車充電站的使用率外,更可透過更適合本地用家的使用體驗及設計提升電動車充電站的營運效率及可靠度。

oneCHARGE電動車充電方案備受市場肯定,勇奪多個獎項,包括香港電子業獎2019的初創企業組金獎及2019年第四屆香港科技創價大賽第二名。海外方面,則於2019澳門商務大獎中榮獲環境績效大獎,及在2019年於韓國釜山舉辦的Busan Startup Week - Bounce 2019 中榮獲Creative Idea Award。

透過採用電腦視覺技術、人工智能、雲端技術及手機應用程式,這個易於安裝的充電方案為用戶和管理人員提供了極大的便利。用戶可以於15秒內啟動充電站、支付充電費及搜尋最接近的充電站;運營商則可以實現遠端管理和進行業務分析。隨著電動汽車的高速發展,方案在本地及海外具廣泛應用的潛力。

# Smart Mobility (Smart Transport) Bronze Award
# 智慧出行(智慧交通)銅獎



## Hong Kong Applied Science and Technology Research Institute Company Ltd. (ASTRI)
## 香港應用科技研究院有限公司
www.astri.org
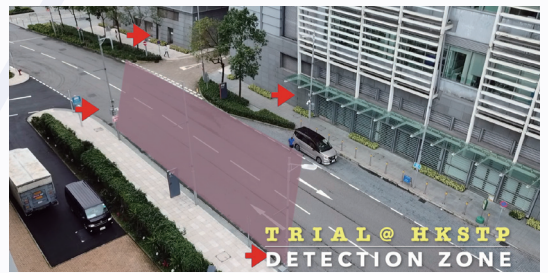
### Ultra-Wideband (UWB) + Vehicle-to-Everything (V2X) Roadside System Enables Gantry Free Electronic Road Pricing (ERP) System

Electronic Road Pricing (ERP) is a traffic management solution to tackle congestion, aiming to manage the smooth flow of traffic in areas that experience severe gridlock during rush hours. Yet most ERP solutions available today in Hong Kong and the region are being used on highways or in tunnels, but not in dense urban areas such as Central district in Hong Kong.

ASTRI's gantry-free ERP Solution is an innovative, cost-effective, and commercial-grade solution that supports flexible inner-city ERP. ASTRI is a market pioneer in leveraging cellular vehicle-to-everything (V2X) and ultra-wide broadband (UWB) technology to use the precise technology that can estimate the position of open-road traffic to within a centimetre. The solution provides a new and flexible way for the government and commercial companies to improve inner-city traffic management. It is the first gantry-free ERP solution in the region and also the first in the world that combines UWB and V2X.

Compared with the traditional RFID implementation of ERP, ASTRI's new approach uses existing roadside infrastructure, thereby eliminating the need to build expensive gantries, reducing the number of sensors and using V2X to achieve wireless synchronisation without laying optical fibres. The technology has been commercialised and deployed with industry partners HKT and Genvict both in Hong Kong and Mainland cities in the Greater Bay Area.

### UWB+V2X智慧出行路側系統簡化全新電子道路收費

電子道路收費系統是一個改善交通擠塞的交通管理方案，旨在管理於高峰時段容易受嚴重道路擠塞影響的地區。現時，大多數電子道路收費系統的解決方案都應用於高速公路或隧道，但受制於技術及成本，無法在人口稠密的商業區如中環應用。

應科院簡易新一代電子道路收費系統是一項創新、具有成本效益的商業級解決方案，可靈活地支援市區內的電子道路收費系統。應科院是市場先驅，首創結合V2X(車聯網)和UWB(超寬帶)的精確技術，在道路交通領域上實現釐米級定位。該解決方案為政府及商業夥伴提供了全新且靈活的方式以改善城市交通管理，除了是區內首個無機架的電子道路收費系統外，亦是世界上首個結合UWB和V2X技術實現電子道路收費系統的解決方案。

與採用RFID(無線射頻識別技術)的傳統電子道路收費系統相比，應科院的全新方案採用了現有的路邊基礎設施，可以免除安裝昂貴的門架及減少傳感器數量，並在無需鋪設光纖網絡下支援使用車聯網以實現無線同步。該技術已獲合作夥伴HKT及金溢科技分別在香港和大灣區主要城市部署應用。

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

Road traffic congestion in CBD has been a long-time unsolved problem in Hong Kong, but ERP has not been successfully implemented. The UWB+V2X roadside system is a breakthrough in ERP by providing a brand new and flexible solution. The system eliminates the geographical and environmental restrictions on the installation of gantry in urban areas. In addition to being more cost-effective, the system can be easily installed, relocated and adjusted for facilitating in-city traffic management. The principles of the system can be deployed in other smart city solutions to enhance the mobility of Hong Kong.

香港的核心商業區一直飽受交通擠塞困擾，但電子道路收費一直未能成功落實。UWB+V2X智慧出行路側系統在電子道路收費上取得突破，提供一個嶄新及彈性的方案。系統解決了在香港市區安裝龍門架所面對的地理及環境限制，除了更具成本效益，還易於安裝、轉移及按需要調整，方便進行城市交通管理。系統的原理亦可在其他智慧城市解決方案上應用，改善香港的出行環境。

# Smart Mobility (Smart Transport) Certificate of Merit
# 智慧出行(智慧交通)優異證書

Hong Kong ICT Awards 2020 香港資訊及通訊科技獎

## Hong Kong Taxi App Service Ltd. / Hong Kong Taxi Council
## 香港的士軟件服務有限公司 / 香港的士業議會
etaxi.com.hk / www.hk-tc.org

### eTaxi APP Platform

In a city with vibrant lifestyle, taxi service, a business well established for over a century, has put efforts in technology embracement and service enhancement. With the full support of Hong Kong Taxi Council, eTaxi App platform has built a new ecosystem in the industry by facilitating industry practitioners to uplift user experience and service quality with advanced technology.

Developed with the vigorous support from stakeholders of taxi industry, eTaxi provides an integrated platform that is accessible through several apps, web services and APIs for passengers, drivers, taxi call centres, taxi companies, owners, local and international partners. Functional modules on the platform include administration console, electronic receipt and record, marking and bonus system, taxi calling and e-payment, as well as live traffic broadcasting for taxi drivers and communication API with outside parties.

By bringing technology to taxi industry, eTaxi not only overcame the communication and technology barriers and constraints in the traditional industry, but also enhanced the industry reputation. eTaxi is also working on the "Certified Hygiene Taxi" programme integrated with WeChat's mini-program and travel websites, enabling travellers to call a taxi directly on their apps.

### e的士APP平台

城市生活節奏急促,的士作為百年前已經落地的傳統產業除了支持了大批年長司機,亦在科技應用及服務質素上付出努力。e的士平台締造了新的生態圈,促使的士業界更有效地善用科技改善服務及提升乘客體驗,亦能記錄司機在日常載客的行為表現,提升管理及服務質素。

在的士業界和相關持份者的大力參與及支援下,e的士建立了多元化的應用平台,為乘客、司機、的士召喚台、車行、車主、本地及全球夥伴提供全新的整合服務。除召喚的士、接駁其他公共交通工具、電子行程紀錄、司機評分、獎賞系統、預約出行、電子支付等功能外,平台亦首創可由其他行業機構提供服務支援及贊助的實時交通消息廣播。

除了提供日常接載乘客的服務外,e的士亦在平台舉行活動,如抗疫消毒服務、招募贊助商等。新推出的「抗疫的士」健康出行企劃,可以整合不同平台,讓乘客在沒有下載e的士手機應用程式下能夠透過「微信小程序GoAsia」及旅遊App叫車,為旅客重臨做好準備。

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

The eTaxi App Platform not only facilitates the adoption of ICT in taxi industry for overall service improvement, but also offers the feature of COVID-19 tracing to boost passenger confidence. The app provides a range of functions for quality assurance, from taxi calling, e-travel record, to driver scoring and rewards system. For the convenience of passengers and tourists, the app supports multiple payment options, and allows reservation through WeChat and travel websites without installing eTaxi APP through integration of different platforms.

e的士APP平台不但促進的士業界利用科技改善服務及提升乘客體驗,更在2019冠狀病毒病影響下提供「抗疫的」資訊,提升乘客出行信心。應用程式提供一系列服務確保服務質素,包括召喚的士、電子行程紀錄,司機評分及獎賞系統。為方便乘客及遊客,程式提供多種電子支付方式,更透過多平台的整合,讓即使沒有下載程式的旅客亦能通過「微信小程序」及旅遊網站使用eTaxi服務下單。

# Introduction of Leading Organiser
# 籌辦機構簡介

Founded by the Hong Kong General Chamber of Commerce in 1989, GS1 Hong Kong is the local chapter of GS1®, a not-for-profit, standards organisation that develops and drives adoption of global standards for business to uniquely identify, accurately capture and automatically share vital information about products, locations and assets. Headquartered in Brussels, Belgium, GS1 has over 110 national chapters in 150 countries.

GS1 Hong Kong's mission is to empower business to grow and to improve efficiency, safety, authenticity and sustainability across multiple sectors and facilitates commerce connectivity through the provision of a full spectrum of platforms, solutions and services based on our global standards. We provide a trusted foundation for accurate, sharable, searchable and linkable data. Our EPC standard lays the foundation for IoT, powering a range of IoT-based services and applications. We are helping industry to meet the challenges of omni-channel commerce and create a seamless customer experience. By engaging with communities of trading partners, industry organisations, government, and technology providers, we are fostering a collaborative ecosystem and aiming for "Smarter Business, Better Life".

Currently, GS1 Hong Kong has around 8,000 corporate members covering close to 20 industries including retail consumer goods, food and food services, healthcare, apparel, logistics as well as information and technology.

For more information, please visit www.gs1hk.org.

香港貨品編碼協會(GS1 HK)於1989年由香港總商會成立，是GS1®環球組織的香港分會，也是一間提供標準的非牟利機構，一直致力研發和推動全球標準，讓企業可獨有識別、準確擷取及自動分享產品、位置及資產的重要信息。GS1總部位於比利時的首都布魯塞爾，擁有超過110個成員組織，遍及全球150個國家。

GS1 HK透過提供以全球標準為本的一系列平台、解決方案及服務，為不同行業的企業提升效率、安全性、真確性和可持續性，並推動商業之間的連繫。全球標準能確保數據可信、準確，讓業務夥伴易於分享、搜索該些數據，並連結到相關資訊。而本會的產品電子代碼(EPC)標準是物聯網的基礎，有助研發出一連串物聯網服務及應用。我們亦協助業界應付全渠道商貿帶來的挑戰，為其營造無縫的顧客體驗。GS1 HK與各貿易夥伴、行業機構、政府及資訊科技公司積極構建協作生態，實踐「智能商貿，優質生活」的願景。

GS1 HK目前有近 8,000名企業會員，涵蓋約20種行業，包括零售消費品、食品及餐飲、醫療護理、成衣、物流及資訊科技。

如欲進一步了解本會，請瀏覽 www.gs1hk.org。

## Enquiry
## 查詢

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# Acknowledgement
# 鳴謝

## Panel of Assessors    審核委員會

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| Member<br>成員 | Mr Jeffrey AU<br>歐贊年先生 | Incu-Lab<br>創格工房 |
| | Mr Alex CHAN<br>陳秉友先生 | Hong Kong Sea Transport and Logistics Association<br>香港航運物流協會 |
| | Mr Sunny HO<br>何立基先生 | The Hong Kong Shippers' Council<br>香港付貨人委員會 |
| | Mr Chris LO<br>盧逸峰先生 | Hong Kong Trade Development Council<br>香港貿易發展局 |
| | Dr Lawrence POON<br>潘志健博士 | Hong Kong Productivity Council<br>香港生產力促進局 |

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| | Mrs Alice CHAN<br>陳張樂怡女士 | Travel Industry Council of Hong Kong<br>香港旅遊業議會 |
| | Mr Joe YAU<br>邱桂雄先生 | Openrice Ltd.<br>開飯喇有限公司 |
| | Dr Frederick YIP<br>葉揚輝博士 | Goldjoy Travel Ltd.<br>金怡旅行社有限公司 |

### Smart Transport    智慧交通

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| Member<br>成員 | Mr Jeffrey AU<br>歐贊年先生 | Incu-Lab<br>創格工房 |
| | Mr Alex CHAN<br>陳秉友先生 | Hong Kong Sea Transport and Logistics Association<br>香港航運物流協會 |
| | Ms Ivy CHAN<br>陳麗雯女士 | Hong Kong Cyberport Management Company Ltd.<br>香港數碼港管理有限公司 |
| | Mr Ernest CHEUNG<br>張祖倫先生 | Kerry Logistics (Hong Kong) Ltd.<br>嘉里物流(香港)有限公司 |
| | Mr Sunny HO<br>何立基先生 | The Hong Kong Shippers' Council<br>香港付貨人委員會 |
| | Dr Andrew IP<br>葉偉雄博士 | The Hong Kong Polytechnic University<br>香港理工大學 |

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香港通訊業聯會

香港工業總會 FHKI Federation of Hong Kong Industries

HAFFA Hongkong Association of Freight Forwarding & Logistics Ltd.
香港貨運物流業協會

HONG KONG HOTELS ASSOCIATION
香港酒店業協會

IOTA Hong Kong Internet of Things Alliance

HONG KONG LOGISTICS ASSOCIATION
香港物流協會

RTIA 香港零售科技商會
Hong Kong Retail Technology Industry Association

Hong Kong Sea Transport & Logistics Association
HKSTLA 香港航運物流協會

Incu-Lab

LSCM Logistics and Supply Chain MultiTech R&D Centre
物流及供應鏈多元技術研發中心

RFID Radio Frequency Identification (RFID) General Chamber of Commerce
射頻識別總商會

SCC 智慧城市聯盟 Smart City Consortium

CHKLI 香港物流商會

The Chartered Institute of Logistics and Transport

香港付貨人委員會 Hong Kong Shippers' Council

香港旅遊業議會 TRAVEL INDUSTRY COUNCIL OF HONG KONG

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