

英國智慧城市參訪團

UK SMART CITIES MISSION TO TAIPEI

26-29 March 2019

Smart City Summit & Expo, Taipei

英國大創新主題館 (UK Pavilion: i114)



British Office
英國在台辦事處



Department for
International Trade
國際貿易部

 **TECHNOLOGY
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受邀訪問城市：

- Milton Keynes Council 米爾頓凱恩斯
- Peterborough City Council 彼得伯勒
- Royal Borough of Greenwich 格林威治皇家自治區政府
- The City of Edinburgh Council 愛丁堡
- West of England Combined Authority 西英格蘭聯合市政府

活動特報：

- 3月26日至29日 (周二至周五) 如欲與英國廠商會面，請於<http://smartcity.org.tw/b2b/> 洽詢媒合時間或於展會期間到英國大創新主題館 (UK Pavilion 展位 i114) 商談。
- 3月26日 (周二) 2019台英智慧城市論壇 自駕車產業供應鏈整合 論壇，請於http://smartcity.org.tw/2019forum_detail.php?id=283 報名。
- 3月28日 (周四) InnoVEX Mini Saloon 論壇，請於 <https://www.accupass.com/event/1902220216395377806270> 報名。

請掃描下載英國智慧城市參訪團簡介：



有興趣與參展城市代表及英國廠商會談的朋友，歡迎於智慧城市展期間前往南港展覽館i114英國主題館做進一步交流。之後也歡迎您隨時與英國在台辦事處的國際貿易部團隊聯繫。

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前言

圍繞物聯網(IoT)、感應器、第五代(5G)行動通訊和人工智慧(Artificial Intelligence)而建立的各項科技,正在改變城市、產業和消費者日常生活型態的各面向。這些科技的發展節奏不但快得驚人,而且席卷全球。

從網路安全服務到全世界95%手機所使用的半導體科技,英國的科技產業已催生眾多全球的頂尖企業。

新科技常由單一組織開發,但其真正價值通常是透過產官合作而開啟。而緊密的合作關係讓多個複雜生態體系结合在一起。無人駕駛科技和智慧城市基礎設施互動配套,能有效提升安全,並提供一系列彼此無縫接軌運作的科技,對完全連網的未來至關重要。智慧家庭也勢必將成為物聯網應用於改善生活品質的一重要領域。

英國的開創性企業正積極改變都市基礎建設。從促進節約能源的智慧電力感應器,到自動駕駛車的設計與製造等,所有科技和環境作用所帶來的商業效益,更加速提升城市效能。

身為亞太地區動能活躍的市場之一,台灣總是渴望更多可能性。我期待向台灣介紹來自英國的尖端科技,並探索進一步機會,以創造更美好的未來。



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英國智慧城市

科技和資料處理技術進步可讓我們更妥善規劃和管理都市，「智慧城市」的概念，在將近十年前開始普及。智慧城市策略的理想宏大，往往難以具體說明；它們通常涵蓋多數城市所追求的經濟、社會和環境成效。

最新預測顯示，智慧城市的市場規模估計每年以20%的速率成長，從2015年的3,000億美元規模，到2020年時增至逾7,500億美元。目前最大的市場是歐洲，規模逼近1,300億美元，亞太地區預料會以將近37%的速率急起直追，市場規模將從約500億美元增至2,200億美元。

智慧城市的成長已創造不少商機。各地政府意識到都市生活數位轉型的影響，其中

有些政府也積極創立資安保護機制，保護其市民與資料。

西方近來發生包括物聯網「阻斷服務」在內的多起安全事件，導致使用者的疑慮不斷升高；亞洲則有逾50萬Android行動作業系統用戶在2016年8至12月間遭駭。這些網路安全和資料隱私遭攻擊事件全都需要仰賴政府採取行動，保護人民未來不受這類事件影響，因為我們的大部分日常生活將延伸到數位領域。

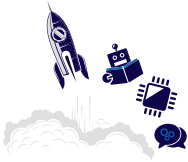
英國政府支持智慧城市發展主要相關領域的尖端研究，包括物聯網、安全科技、智慧搜尋、超級電腦運算，以及系統模型建立和分析。英國的目標是發展支持全國各地創新性中小企業網絡的生

態體系，進而成為智慧城市解決方案的世界領袖之一。許多英國中小企業和主要學術機構密切合作，提供世界級的服務。

英國的智慧城市專長主要圍繞健康照護、運輸、教育、能源、智慧電網、建成環境 (Built Environment) 和數位媒體的整合。英國在智慧城市工程諮詢、設計與規劃的國際專業知識尤其強大，許多企業都在第一線參與全球性規模的大型計畫。今年英國訪問團也邀集了眾多先鋒，前來台北參加智慧城市論壇暨展覽，展示他們在所有智慧科技領域具競爭力的產品與服務。他們期盼和台灣企業與夥伴會面，探索台灣和亞太地區的商機！

UK Tech Expertise Summary

The UK is home to...



... AI start-ups in machine learning, deep learning and natural language processing

... a number of tech conglomerates including Sage, SCC and Micro Focus

... 5 of the top 10 global fastest-growing businesses - with one starting up in every 75 seconds



Source: Insight Artificial Intelligence Future Growth, Accenture



UK tech is present in **95%** of the world's mobile phones

The UK government is investing **£1.9 billion** in cyber security over the next five years starting from 2016



The UK is one of the **top 5** most promising markets for technology breakthroughs

Source: Insight Artificial Intelligence Future Growth, Accenture

The UK tech market is **bigger than the rest of Europe's combined.**



Source: Tech Nation Report 2018: Key Findings

18

of the 47



European unicorns are in the UK

Notable AI start-up examples: BenevolentAI, Weave.ai, re:infer, Stepsize, FiveAI, Seldon and Growth Intel.

Source: Insight Artificial Intelligence Future Growth, Accenture

AMPLIFYi**AMPLIFYi**

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當今決策者所面臨的挑戰，就是資訊已成為無所不在的商品，令人窮於應付。

AmPLYfi公司利用人工智慧和機器學習，找出並鑽研進行智慧決策所需大量深度數位化細節。

在一個答案比問題還多的世界，要進行業務決策，最好是根據知識，而非意見。AmPLYfi立志成為完美知識的典範，並利用所具備的知識避免疑慮。

The challenge for today's decision-makers is that information has become a ubiquitous commodity in overload.

AmPLYfi leverages AI and machine learning to identify and play back the volume of deep digitised detail required to inform intelligent decision making. We do this by being natively inquisitive, intellectually rugged and insightfully robust.

In a world where there are more answers than questions, we believe it is better to base a business decision on knowledge than on opinion. AmPLYfi aspires to be the benchmark of perfect knowledge and to use that knowledge to avoid doubts.

安謀國際科技股份有限公司

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作為運算及連網革命的核心，Arm技術正改變著人們生活及企業運行的方式。Arm先進的低功耗處理器已應用於超過1,300億顆晶片的智慧運算。全球超過70%的人口正在使用Arm的技術，安全地驅動包含感測器到智慧型手機以至於超級運算等各式應用的電子產品。Arm將這些技術與物聯網軟體及裝置管理平台結合，為消費者連網裝置帶來真正的商業價值。Arm攜手超過1,000家技術合作夥伴，將前端的設計、安全、管理，應用到從晶片至雲端等所有需要運算的領域。

Arm technology is at the heart of a computing and connectivity revolution that is transforming the way people live and businesses operate. Our advanced, energy-efficient processor designs have enabled intelligent computing in more than 130 billion chips. More than 70% of the world's population are using Arm technology, which is securely powering products from the sensor to the smartphone to the supercomputer. This technology combined with our IoT software and end-to-end connectivity, device and data management platform enables customers to derive real business value from their connected devices and data. Together with our 1,000+ technology partners we are at the forefront of designing, securing and managing all areas of compute from the chip to the cloud.

Aurrigo



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Aurrigo公司設計和製造自動駕駛車，供乘客在旅途的起始和終點段搭乘，連結各地市中心大眾運輸樞紐和辦公室、零售店、休閒設施等目的地。本公司設計的無人車也非常適合用於其它用途，例如在古蹟遺址、主題公園、購物中心、機場、科學園區和大學校園等地提供交通運輸。

Aurrigo design and manufacture autonomous vehicles to transport passengers on the first and last mile of their journey, connecting up mass transit hubs in city centres to destinations such as offices, retail outlets and leisure facilities. The pods are perfect for other applications such as moving people around heritage sites, theme parks, shopping malls, airports, science parks and university campuses.

英國標準協會

British Standards Institution (BSI)



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英國標準協會(British Standards Institution，簡稱BSI)是商業標準制訂與稽核公司，協助企業擁有所需的解決方案，讓標準的最佳實踐成為追求卓越的習慣。本協會創立於1901年，是全球第一個國家標準機構，也是國際標準化組織(International Organization for Standardization，簡稱ISO)的創始成員之一。BSI成立一個多世紀以來，仍持續採納國際管理系統標準(其中許多源BSI)的方式，協助客戶提升績效、管理風險和推動永續成長，以促進全球商務改善。包括消費者都認得的品質標誌BSI Kitemark™在內，BSI的卓越成就眾所周知，影響力遍及許多產業，包括航空太空、汽車、建成環境(Built Environment)、食品、健康照護和資通訊(ICT)等。BSI是在193國擁有逾8.6萬客戶的組織，所推動的標準在全球各地激發追求卓越的風氣。

BSI (British Standards Institution) is the business standards company that equips businesses with the necessary solutions to turn standards of best practice into habits of excellence. Formed in 1901, BSI was the world's first National Standards Body and a founding member of the International Organization for Standardization (ISO). Over a century later it continues to facilitate business improvement across the globe by helping its clients drive performance, manage risk and grow sustainably through the adoption of international management systems standards, many of which BSI originated. Renowned for its marks of excellence including the consumer recognized BSI Kitemark™, BSI's influence spans multiple sectors including Aerospace, Automotive, Built Environment, Food, Healthcare and ICT. With over 86,000 clients in 193 countries, BSI is an organization whose standards inspire excellence across the globe.

Cashmaster Asia



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Cashmaster是領先全球的現金管理解決方案服務商，為全世界主要雜貨、零售、便利商店、餐廳和金融業產業提供真正且立即的利益，客戶包括連鎖超級市場惠康(Wellcome)和百佳(ParknShop)、速食店肯德基(KFC)和麥當勞(McDonald's)、大賣場特易購(Tesco)、連鎖咖啡店星巴克(Starbucks)、OK便利商店(Circle K)集團、運動用品量販店迪卡儂(DECATHLON)、體育用品製造商紐巴倫(New Balance)，以及澳盛銀行(ANZ)、西太平洋銀行(Westpac)、匯豐銀行(HSBC)、昆士蘭銀行(Bank of Queensland)和澳洲國民銀行(NAB)等金融機構。

本公司的尖端科技確保能進行快速的高度精確現金盤點、減少帳目短缺、改善現金可視性(cash visibility)和強化流程效率。我們擁有逾40年的現金管理經驗，提供客製化和充分整合的現金處理解決方案專家。採用本公司的現金管理解決方案後，企業後勤部門對於現金處理作業會變得更有效率，客戶通常不到12週對其投資就會有所收益。

本公司的亞洲團隊和客戶合作經驗非常豐富，協助客戶提升其獨有的現金管理需求，進而提供「實際操作」的產品訓練，以及有效的售後服務與支援。

Cashmaster is a leading global provider of cash management solutions which deliver real and immediate benefits to leading global brands in grocery, retail, convenience store, restaurant and financial sectors. Clients include Wellcome, ParknShop, KFC, McDonald's, Tesco, Starbucks, Circle K, DECATHLON, New Balance, and financial institutions such as ANZ, Westpac, HSBC, Bank of Queensland, and NAB.

Our cutting-edge technology guarantees fast, highly-accurate cash counting, reduced shrinkage, improved cash visibility and strengthened process efficiency. With over 40 years' experience in cash management, we are experts at providing customized and fully integrated cash-handling solutions. By introducing Cashmaster cash management solutions, back office cash processing will become more efficient and customers typically see a return on their investment in less than 12 weeks.

Our Asian based team is highly experienced in working with customers to improve their unique cash management needs and thereafter providing 'hands-on' product training and meaningful after sales care and support.



Chipside Limited



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Chipside公司為智慧城市、城鎮、地區和國家政府提供數位化公民服務解決方案。我們的核心專業技術是透過核心移動(Core Mobility)系統、法律案件後勤管理軟體系統、對民開放的證據入口網站、停車支付系統、法律巡邏軟體和大型開放資料平台，讓停車服務、停車執法和交通管理大為改觀。

Chipside現已推出名為Oppidatim的大型開放資料策略和系統，讓地方政府能和相關各方、大眾、民營企業與其它政府合作，以真正智能方式提供多項領域服務。

Chipside offers smart cities, towns, regions and national government digital citizen services. Our core expertise is in transforming the parking services, law enforcement of parking and traffic management through our core mobility systems, back office legal case management software systems, public facing evidence portals, parking payment systems, law patrol software and big, open data platforms.

Chipside have now launched Oppidatim, a big open data strategy and system to allow Local Government to work with all interested parties, public, private business and Government to offer services across all disciplines in a truly smart way

**CYANCONNODE**

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物聯網(Internet of Things, 簡稱IoT)正在重塑世界各地都市景觀, 打造以科技連結和溝通的智慧城市。CyanConnode公司利用領先業界的解決方案並以榮獲獎項的科技技術, 以安全可靠的射頻網狀網路(RF Mesh Network), 可於任何地點連結任何聯網裝置。

在能源產業, 本公司的物聯網平台支援先進讀表基礎設施(Advanced Metering Infrastructure), 為全球各地公用事業和消費者之間提供高度安全的通訊。CyanConnode獲得認證的科技技術目前也參予英國智慧讀表執行計畫(UK Smart Metering Implementation Programme), 同時也是印度、瑞典和芬蘭智慧讀表計畫的一環。

The Internet of Things is remodeling urban landscapes across the world, creating smart cities where technology connects and communicates. CyanConnode is helping to drive that transformation with industry-leading solutions and applications. Based on reliable, secure narrow-band RF mesh networks CyanConnode's award-winning technology connects any IoT device anywhere. Within the energy sector, its IoT platform enables Advanced Metering Infrastructure solutions, providing highly secure communication between utilities and consumers across the globe. CyanConnode's proven technology is currently being deployed as part of the UK Smart Metering Implementation Programme as well as within smart metering initiatives across India, Sweden and Finland.

DARKTRACE



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Darktrace為世界頂尖的網路安全人工智慧公司，所推出的企業免疫系統(Enterprise Immune System) 是由數學家創建，利用機器學和人工智慧演算法，偵測並回應雲端和虛擬網絡、物聯網、工業控制系統等各種數位環境中的網路威脅。該系統所使用的科技能自我學習，無須透過設定，能即時發現零日漏洞(zero-day)、內部攻擊、隱形病毒等威脅。Darktrace在美國舊金山(San Francisco)和英國劍橋(Cambridge)均設有總部，並在全球擁有逾30個辦事處。欲了解更多資訊，請瀏覽www.darktrace.com。

Darktrace is the world's leading AI company for cyber security. Created by mathematicians, the Enterprise Immune System uses machine learning and AI algorithms to detect and respond to cyber-threats across diverse digital environments, including cloud and virtualized networks, IoT and industrial control systems. The technology is self-learning and requires no set-up, identifying threats in real time, including zero-days, insiders and stealthy, silent attackers. Darktrace is headquartered in San Francisco and Cambridge, UK, and has over 30 offices worldwide. For more information, visit www.darktrace.com

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Digital Barriers公司提供管理直播視訊擷取、分析和串流的軟體解決方案與雲端服務，能在必要的情況下進行視訊分析情報。本公司的解決方案以軟體為基礎，可輕易和視訊管理系統、攝影機和感應器整合，至今已承蒙全球50多國的旗艦智慧城市、國防、安全和執法機構採購。我們也透過大型商業通路夥伴進行轉售，以及以授權方式提供給主要科技公司和服務商。

Digital Barriers provides software solutions and cloud services to manage the capture, analysis and streaming of live video, enabling actionable video intelligence to be delivered where it's needed, when it's needed. Our software-based solutions readily integrate with video management systems, cameras and sensors, and have been sold to flagship smart city, defence, security and law enforcement agencies in more than fifty countries around the world. We also resell through large commercial channel partners and on a licensed basis to leading technology companies and service providers.

Kx

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www.kx.com

參訪團員介紹

Kx是一套企業級產品和解決方案，以全世界最快速的時間序列(time series)資料庫kdb+為核心。kdb+針對大量結構化資料的寫入、分析並儲存進行優化。其欄目式設計加上具備內存能力，意味速度與效率均超越典型的關聯式資料庫(relational database)。kdb+原生支援時間序列操作，也大幅改善結構化資料的查詢、聚合(aggregation)和分析的速度與效能。

Kx is a suite of enterprise-level products and solutions centered around kdb+, the world's fastest time series database. Kdb+ is optimized for ingesting, analyzing, and storing massive amounts of structured data. The combination of the columnar design of kdb+ and its in-memory capabilities means it offers greater speed and efficiency than typical relational databases. Its native support for time-series operations vastly improves both the speed and performance of queries, aggregation, and analysis of structured data.



Micro Focus



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Micro Focus是引領全球的企業軟體公司，其獨特定位是協助客戶擴展既有投資，同時在混合式資訊科技(Hybrid IT)世界中樂於採納新科技。本公司提供客戶內置分析世界一流企業級之數據和可擴充解決方案組合。

從大型電腦主機到行動裝置，Micro Focus公司的產品組合深、廣度兼具，可因應研發測試與維運、混合式資訊科技、安全與風險管理，以及預測分析各方面的挑戰。

本公司為純粹軟體公司，專注於打造、銷售和支援軟體，因而得以履行我們的使命—以客戶為創新核心，提供能讓本公司團隊引以為傲的高品質企業級可擴充軟體。我們儘可能讓既有軟體的投資報酬率最大化，並讓創新能在企業IT的新混合模式下進行，幫助客戶度過從舊到新的過渡期。欲了解更多詳情，請瀏覽www.microfocus.com/about

Micro Focus is a leading global enterprise software company uniquely positioned to help customers extend existing investments while embracing new technologies in a world of Hybrid IT.

We are a pure-play software company focused from the ground up on building, selling, and supporting software. This focus allows us to deliver on our mission to put customers at the center of innovation and deliver high-quality, enterprise-grade scalable software that our teams can be proud of. We help customers bridge the old and the new by maximizing the ROI on existing software investments and enabling innovation in the new hybrid model for enterprise IT. For more information visit www.microfocus.com/about



Micro:bit Educational Foundation



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Micro:bit教育基金會是非營利組織，其願景為激勵所有孩童為自己創造最佳的數位未來，幫助並鼓勵所有兒童參與數位世界，且特別關注女孩和弱勢族群的孩童。我們讓micro:bit微型電腦開發板成為最容易且有效的數位技能和創意學習工具，與教育工作者合作開創和策劃優良課程素材、訓練計畫和資源。

The Micro:bit Educational Foundation is a not for profit organisation. Our vision is to inspire every child to create their best digital future. We enable and inspire all children to participate in the digital world, with particular focus on girls and those from disadvantaged groups. We make micro:bit the easiest and most effective learning tool for digital skills and creativity, working in collaboration with educators to create and curate exceptional curriculum materials, training programmes and resources.

M-Solv LTD



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M-Solv公司為擁有68名員工的科技公司，總部位於英國牛津(Oxford)，在香港設有亞洲區支援中心。該公司業務鎖定大面積的柔性印刷電路板市場，主要業務有三大類—來料加工研發、印刷電子裝置製造，以及打造功能型噴墨與雷射加工機。

M-Solv的設備應用廣泛，包括太陽能光電(PV)、觸控面板和有機發光二極體(OLED)等。M-Solv專門針對OLED產業，提供陰極、陽極和有機發光二極體(OLED)材料雷射蝕刻的研發和大量生產用雷射設備。該公司也開發客製化設備，包括單張式和連續式系統等。

M-Solv Ltd is a technology company that employs 68 people. It is based in Oxford, UK with an Asian support facility in Hong Kong. Its activities target the printed, large area and flexible electronics market. The company has 3 main business activities: contract process R&D; printed electronic device manufacturing and building functional inkjet and laser materials processing machines.

M-Solv's equipment serves wide range of application areas including PV, touch panel and OLED, etc. Specifically, for the OLED industry, M-Solv offers R&D and mass manufacturing laser equipment for laser patterning of cathode, anode and OLED material. M-Solv also develops custom equipment, including sheet-to-sheet and roll-to-roll systems.

彼得伯勒

Opportunity Peterborough



Opportunity Peterborough



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Opportunity Peterborough公司於2005年創立時，定位為都市再生公司。五年後，本公司的職責逐漸轉變為領導英國彼得伯勒(Peterborough)市的經濟開發。我們是一家非營利的私人公司，由彼得伯勒市政府全資擁有。身為經濟開發公司，Opportunity Peterborough的核心職責包括：向企業推廣彼得伯勒市，以吸引外來投資；與在地企業合作，以支持成長與發展；以及領導彼得伯勒市的技能培育計畫，確保當地現有與未來的人才都能獲得訓練並做好工作準備。本公司也負責執行多項計畫，以提振當地經濟，並支持彼得伯勒市完成創建英國環保之都的志業。本公司和彼得伯勒市政府都需要本市的未來城市計畫(Future City Programme)，尤其是透過彼得伯勒循環(Circular Peterborough)計畫，專注發展規模涵蓋全市的循環經濟。

我們深知地方企業是本市經濟的命脈，因此我們提供支援，幫助業者創立發展。從主辦邀請各產業業者加入的Peterborough Bondholder Network計畫、舉行產業論壇與活動、分享經濟情報，到招商與融資計畫等，本公司都致力協助彼得伯勒的企業繁榮發展。若您有興趣投資彼得伯勒市，請瀏覽我們專門架設的網站「投資彼得伯勒(Invest in Peterborough)」(網址<http://investinpeterborough.co.uk>)，以了解更多訊息；或接洽Opportunity Peterborough公司，以獲得專為您打造的支援。我們很樂意協助貴公司遷移到刺激且持續成長的彼得伯勒市。

Opportunity Peterborough was founded in 2005 as an urban regeneration company. Five years later our remit evolved to lead the city's economic development. We're a private not-for-profit business, wholly owned by Peterborough City Council.

As an economic development company, Opportunity Peterborough's core responsibilities include marketing Peterborough to businesses to attract inward investment, engaging with local companies to support growth and development, and leading the city's skills agenda to ensure our current and future talent pool is trained and work-ready. We also deliver a range of projects to boost the local economy and support Peterborough's aspiration to create the UK's environment capital. We jointly need the city's Future City Programme with Peterborough City Council and have a particular focus on developing a city scale circular economy through our Circular Peterborough initiative.

We know our local businesses are the lifeblood of our city's economy, that's why we offer support to help them set up and grow. From hosting the Peterborough Bondholder Network to running sector forums and events, sharing economic intelligence, and business & funding opportunities, we're here to help Peterborough businesses prosper.

If you are interested in investing in Peterborough please visit our dedicated Invest in Peterborough website (<http://investinpeterborough.co.uk>) to find out more, or get in touch with Opportunity Peterborough for bespoke support - we'd be delighted to help relocate your business to our exciting, growing city.



PodM2M



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PodM2M公司在單一平台內提供物聯網連線、計費和安全服務。本公司是Pod集團(Pod Group)之一員，專注協助物聯網業者快速執行安全的可擴充應用，並針對反覆提供的服務計費。我們的模組化平台讓客戶能在全球185國逾600個網絡上，進行遠端裝置連線管理。我們提供多網絡、多國際移動用戶辨識碼(IMS)和嵌入式通用積體電路卡(eUICC)的用戶身分模組(SIM)卡，讓客戶可以空中編程(OTA)方式發送更新，讓現場的連結裝置可以隨時跟上科技變遷腳步。

PodM2M provides IoT connectivity, billing, and security in one platform. As part of Pod Group, we focus on helping IoT companies quickly implement secure, scalable applications and bill recurring services. Our modular platform allows you to remotely manage the connectivity of your devices on 600+ networks across 185 countries globally. We provide multi-network, multi-IMS and eUICC SIM cards, enabling you to send updates Over The Air to future-proof your connected devices in the field.



Primo Toys



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Primo玩具公司製造教育性玩具！這些獲得獎項肯定的玩具，是在經驗豐富的投資人支持下，和全球最佳供應夥伴聯手打造而來已深受九十多國兒童喜愛。該公司產品不但是歷來在募資平台Kickstarter獲得最多群眾融資的教育科技(ed-tech)發明，還贏得紅點設計大獎(Red Dot Award)最高榮譽的至尊獎(Best of Best)，以及坎城國際創意節(Cannes Lion)的金獅獎(Gold Lion)。

We make educational toys! Award-winning ones, built with the best supply partners in the world, backed by experienced investors, loved by children in 90+ countries. We've produced the most crowd-funded ed-tech invention in Kickstarter history, won a Best of Best - Red Dot Award, and Gold - Cannes Lion. We want more.

里卡多
Ricardo



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本公司為國際策略性工程與環境顧問公司，專攻運輸、能源和稀有資源產業。我們的業務涵蓋客用車、商用車、鐵路、國防、賽車運動、能源、環境等一連串市場領域。擁有多重產業知識和深厚的技術專長，具備獨特優勢，能處理客戶最棘手的策略和經營挑戰；曾經手的任務包括策略開發、降低成本、安全管理、法令遵循和環境影響評估等。

除了技術諮詢服務，我們公司內部還具備工程專業能力，能設計並完成高品質原型，以及少量生產的複雜產品和組裝品。而且我們在做任何事和進行任何任務時，始終堅持創辦人Harry Ricardo爵士的信念。Harry Ricardo爵士為當時創新力最強的工程師之一，1915年開始致力於「儘可能提高效率 and 杜絕浪費」的使命。

We are a global strategic engineering and environmental consultancy that specialises in the transport, energy and scarce resources sectors. Our work extends across a range of market sectors - including passenger cars, commercial vehicles, rail, defence, motor sport, energy and environment. Through our multi-industry knowledge and deep technical expertise, we are uniquely positioned to handle our clients' toughest strategic and operational challenges, with assignments that have included strategy development, cost reduction, safety management, regulatory compliance and environmental impact assessments.

In addition to our technical consultancy services, we have in-house engineering capabilities that enable us to design and deliver high-quality prototypes and low-volume manufacturing of complex products and assemblies. And, across everything we do, in every assignment we undertake, we remain committed to the ethos of our founder, Sir Harry Ricardo, one of the most innovative engineers of his time, who in 1915 set out on a mission to 'maximise efficiency and eliminate waste'.

Rutherford Diagnostics



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Rutherford Diagnostics公司致力改革醫療診斷，利用基因組合排序、個人化篩檢和創新診斷技術，讓全球各地的健康照護發生徹底變革，透過預測、預防和儘早發現疾病，帶來儘可能支持最佳結果的新健康照護典範。該公司在英國各地建立診斷中心網絡，並和國際夥伴合作，讓病患便於獲得採用最新科技的篩檢和診斷造影服務，包括能譜電腦斷層掃描(Spectral CT)、3T核磁共振掃描(3T MRI，T是磁場強度單位)、數位正子電腦斷層掃描(Digital PET CT)、內視鏡檢查和基因組學等。欲獲得更多訊息，請瀏覽www.rutherforddiagnostics.co.uk。

Rutherford Diagnostics is transforming medical diagnostics. It will revolutionise healthcare across the globe utilising genomic sequencing, personalised screening and innovative diagnostic technologies, to deliver a new healthcare paradigm supporting best possible healthcare outcomes through prediction, prevention and earliest possible detection of disease. Developing a network of diagnostic centres across the UK and working with international partners, Rutherford Diagnostics will offer patients easy access to screening and diagnostic imaging, with the latest technologies including Spectral CT, 3T MRI, Digital PET CT, Endoscopy and Genomics. To find out more visit www.rutherforddiagnostics.co.uk.

Senseye



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Senseye™是一套頂尖的預測性維護雲端軟體，在無須專家人工分析的情況下，能自動預測機器故障，幫助製造商避免停工與節省成本。本軟體的智慧機器學習演算法可使用於任何製造商生產的任何機器上，從現有的工業物聯網感應器和平台擷取資訊，自動診斷故障，並能預測該機器可用壽命。

Senseye™ is the leading cloud-based software for predictive maintenance. It helps manufacturers avoid downtime and save money by automatically forecasting machine failure without the need for expert manual analysis. Its intelligent machine-learning algorithms allow it to be used on any machine from any manufacturer, taking information from existing Industrial IoT sensors and platforms to automatically diagnose failures and provide the remaining useful life of machinery.

信特尼

Trustonic



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信特尼(Trustonic)致力因應智慧連線裝置信任需求日益升高的安全服務商。

本公司為裝置安全市場的公認領頭羊，我們的使命是讓所有智慧連線裝置、相關服務和應用享有最高安全，讓民眾的數位生活獲得裝置安全加密保護和充實的同時，並予以簡化。

包括可信執行環境(Trusted Execution Environment, 簡稱TEE)在內的信特尼安全平台(Trustonic Secured Platform)已提供全球逾150億具裝置使用，進而讓服務商和應用程式開發業者的服務和應用程式能利用本公司平台所提供的硬體層級安全服務，其中Kinibi-M是一個新的模組化硬體安全作業環境，專門針對尺寸受限的物聯網晶片組所設計。

Trustonic is a security provider to address the increasing need for trust built into smart connected devices.

Trustonic is a recognised leader in the device security market and our mission is to protect, enrich and simplify people's digital lives by enabling optimum security on all smart connected devices, associated services and applications.

The Trustonic Secured Platform including the Trustonic Trusted Execution Environment (TEE) is already available on over 1.5 billion devices worldwide, thus enabling both service providers and app developers to take advantage of hardware-level security for their services and applications including. Kinibi-M is a new, modular, hardware-secured operating environment specially designed for size-constrained IoT chipsets.

UtterBerry



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本公司的UtterBerry™系統是由一系列超低功耗的微型人工智慧感應器組成。這些感應器可用來因應一連串城市挑戰，應用於營建、運輸、智慧醫院、群眾感知(crowd sensing)、智慧產業、智慧農業和智慧建築。我們的感應器可自我校準形成網狀網路(mesh network)，並相互傳遞資料，以猶如家庭的方式運作解決目標挑戰。

UtterBerry™系統的感應器無須互相感應，為了讓使用者從遠端取得感應器的實時資料，這些感應器是由一座提供網際網路或本地網絡連線的基地台支持。本公司創立於2013年，是劍橋大學(Cambridge University)的衍生企業，於倫敦總部自行設計和開發硬體技術。我們的智慧感應器全都於英國製造再出口到世界各地。

The UtterBerry™ system consists of a collection of miniature, artificially intelligent, ultra-low power sensors. These sensors can be utilised to tackle a range of city challenges, with applications in construction, transport, smart hospitals, crowd sensing, smart industry, smart agriculture and smart buildings.

Our sensors self-calibrate to form a mesh network and relay data between each other, working as a family to solve targeted challenges. UtterBerry's™ sensors do not require a line of sight between them. For real-time remote access to the sensor data, the sensors are supported by a base station providing connectivity to the internet or a local network.

Our company was founded in 2013 as a spin-out from Cambridge University. We are based in London, where we design and develop our own hardware and software technologies. Our smart sensors are all manufactured in the UK and exported throughout the world.

Yordas Group



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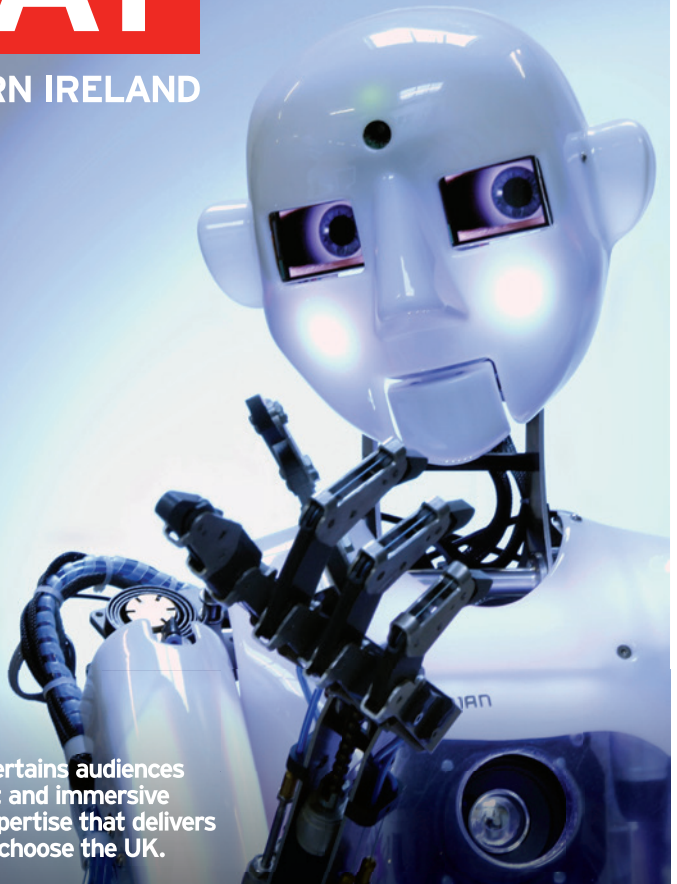
Yordas Group是科學、環境、人類健康、全球監管、永續發展和產品管理諮詢的頂尖服務商。本公司擁有可信賴且獲國際公認的聲望，為客戶提供確保謹遵全球各地法律的訓練、諮詢和服務，在歐洲、美洲和亞太地區都設有區域代表和服務供應商。

Yordas Group is a leading provider of scientific, environmental, human health, global regulatory, sustainability and product stewardship consulting services. Yordas has a solid and internationally recognised reputation as a provider of training, advice and services to ensure compliance across the globe, with regional representation and service providers in Europe, the Americas and Asia Pacific.

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RoboThespian engages and entertains audiences worldwide with bespoke content and immersive interactivity. For world-class expertise that delivers unbeatable visitor experiences, choose the UK.

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Driving the Future:

UK Capability in Connected and Autonomous Vehicles



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Transport Systems Catapult ©

