SmarTone 5G Enterprise Solutions Drive Digital Transformation in Multiple Sectors
SmarTone 5G 企業方案推動各行各業實現數碼轉型

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Introduction

As 5G is getting mature and popular, it has become the catalyst for an array of emerging technologies and innovative applications with its use of Video Analytics, Artificial Intelligence, IoT and Big Data Analysis.

Hong Kong's No.1 5G network* provider, SmarTone pioneers the development of 5G and helps business integrate emerging technologies for digital transformations. SmarTone Solutions, with its panel of experts across various industries, is collaborating with businesses across multiple sectors, including construction, transportation, property, mall management and many others, to explore the limitless business possibilities and propel Hong Kong to becoming a truly smart city with 5G.

Enhance construction safety - Smart Construction

Smart Construction integrates modern technology into traditional labour to protect the health and safety of construction workers while maintaining efficiency. Our Smart Construction solution – SmartWorks – won 1st prize in Construction Safety in the CIC Construction Innovation Award and is a pre-approved product of the Construction Innovation and Technology Fund.

Now in its second generation, SmartWorks uses 5G, IoT and AI-powered video analytics to strengthen precautionary measures onsite and provide an instant response in the event of emergencies. The platform monitors everything onsite in real-time and automatically issues alerts once it detects potential danger while AI identifies risks of heatstroke and other health concerns. The comprehensive site automation also boosts construction workers' productivity. Renowned construction companies have adopted this solution to protect their workers in hundreds of construction sites.

前言

隨著 5G 愈來愈成熟及日漸普及，結合影像分析、人工智能、物聯網和大數據分析等應用，5G 已成為一系列新興科技及創新應用的催化劑。

作為香港 No.1 5G 網絡 *，SmarTone 一直引領 5G 發展，並協助企業結合新興科技推動數碼轉型。SmarTone Solutions 專業的企業方案團隊，積極與各行各業合作，包括建築、運輸、地產和商場管理等，一同探索 5G 帶來的無限機遇，透過 5G 推動香港成為真正的智慧城市。

提升建築安全－智能建築方案

智能建築方案結合科技與人性，保障建築工人的健康及安全之餘，也確保工作效率。我們的智慧建築方案「SmartWorks 智安健」，不但榮獲「建造業議會創新獎」中的建造安全組第一名，亦是建造業創新及科技基金的預先批核的方案。

SmartWorks 智安健最近已升級至第二代，利用 5G、物聯網 (IoT) 和 AI 影像分析技術加強地盤的安全措施，並能在緊急情況下即時作出通報。此平台能實時監察工地內的任何人和物，並於其人工智能系統識別高溫負荷風險及其他健康狀況時，即時發出警報。平台亦透過全面的地盤自動化技術，保障工人的身心健康和提高生產力。眾多著名的建築公司已於旗下逾 100 個建築地盤內採用此方案。

Elevate travel experience - SmarTransport

SmarTransport is Hong Kong's first 5G safety monitoring system which leverages its 5G network and an array of cutting-edge technologies to enable high-speed transmission of footage for real-time analysis and emergency response.

SmarTone has connected buses to 5G network where passengers can enjoy ultra-fast 5G Wi-Fi services on the bus, elevating their travelling experience. The high-speed 5G on buses supports the smooth use of 5G cameras and AI technology, which allows bus companies to monitor real-time queue length and bus occupancy to make suitable operations deployment and reduce passengers' waiting time to bring a better passenger experience. Real-time traffic monitoring and road condition analysis will be conducted in bus terminals and alerts can be issued when jaywalkers are detected.

This innovative solution is now operating at several major interchanges and busy routes, supporting millions of passengers every day.

優化出行體驗－智慧交通方案

智慧交通方案是香港首個 5G 安全監察系統，透過 5G 網絡及一系列先進科技，能高速傳送影像作實時分析及回應緊急事故。

SmarTone 為巴士提供 5G 網絡，讓乘客在旅程上享受極速 5G 無線寬頻上網服務，以提升搭乘體驗。高速 5G 網絡亦支援巴士上的 5G 鏡頭和 AI 技術的高效運作，讓巴士公司按照巴士站實時乘客候車情況及巴士載客量，以作適合的營運安排及減少乘客的候車時間，提升搭乘體驗。於巴士總站進行的實時交通監察及道路狀況分析，當系統偵測到有人誤闖巴士總站，便會即時發出警報。

智慧交通方案更會涵蓋主要轉車站和路線，每日支援數百萬名乘客。

Empower smart living - SmartHome

SmartHome integrates technology into everyday life and enhances residents' living standards. New property projects have embedded the SmarTone's Home Wi-Fi System and Home Automation for their residents to enjoy a convenient, comfortable, and intelligent lifestyle, where they can let technology handle the trivial matters and spend more time with their loved ones.

Broadband modems and switches are hidden, and in-wall access points are installed to maintain visual simplicity while providing high-speed Wi-Fi connections without blind spots. The full coverage Home Wi-Fi System supports the built-in Home Automation platform. Residents can control lights, air conditioners, curtains and other appliances and sensors via the mobile app.

Residents can also enjoy Home Automation with full mobile network coverage in all public areas of their estates, including clubhouses, lobbies, and more. This enables both residents and visitors to stay connected seamlessly, while also empowering the property management office to adopt SmarTone 5G solutions for enhanced efficiency.

科技融入生活－智能家居

智能家居方案將科技融入生活,提升住戶的生活質素。多個全新地產發展項目已置入 SmarTone Home Wi-Fi 系統及家居自動化系統,為住戶締造方便舒適的智能生活。住戶可將生活的繁瑣事務交由科技處理,有更多的時間陪伴至親。

所有寬頻解碼器和網絡交換器也採用隱藏式設計,並設有入牆式連接點,保持簡潔時尚的家居風格之餘,也能提供高速連接和全面無線網絡覆蓋,確保沒有盲點。覆蓋全屋的家用無線網絡系統支援內置家居自動化平台,住戶只要透過手機應用程式,便能輕鬆操控燈光、冷氣和窗簾。家居自動化功能更可擴展至其他電器及或感應器。

流動網絡也覆蓋全屋苑範圍,確保住戶無論身處會所、升降機、大堂或停車場等公共空間,也能連接家居自動化系統。物業管理公司更可因應不同需要組合各種 SmarTone 5G 方案,全面提升效率。

Transform retail experience - Smart Mall

Smart Mall enhances customer experience in malls and improves operational efficiency for mall owners. Through analysing real-time video images from AI cameras, staff can divert swelling traffic flows and prevent unmanageable crowds.

Various IoT sensors monitor restrooms conditions like air quality and usage of restroom supplies, greatly enhancing operational efficiency and service quality for an enhanced customer experience. There are also digital signages at the restroom entrances that indicate the availability of restrooms and estimated queuing time, allocating customers to restrooms with higher availability.

革新零售體驗－智慧商場

智慧商場方案改善商場的客戶體驗，及為商場提升營運效率。利用 AI 偵測鏡頭發送實時影像，商場員工能有效疏導人群，避免人群過度聚集。

多個 IoT 感應器會收集不同數據，例如空氣質素和衛生用品供應，大幅提高營運效率和服務質素，以達到更佳的客戶體驗。顧客亦可以透過設於洗手間入口的電子屏幕查看可使用的廁格和估計輪候時間，從而決定是否前往使用量較低的洗手間。

Expand 5G ecosystem - 5G LAB

To showcase some of Hong Kong's newest 5G applications and introduce the future of emerging technologies, SmarTone launched its 5G LAB at the iconic sky100 Observation Deck in International Commerce Centre (ICC). Since its debut in April 2021, the LAB has attracted more than 400,000 visitors, including government officials, students, business partners and the general public.

The 5G LAB successfully connects key industry players, start-ups, and universities with a dynamic showcase of 5G solutions to explore new 5G business opportunities and further expand Hong Kong's 5G ecosystem.

SmarTone, driven by their vision of elevating people's everyday lives with 5G, brings industries together with 5G LAB as a key platform. By enhancing enterprise services and operational efficiency with game-changing 5G applications, SmarTone is proudly playing a pioneering role in Hong Kong's development as a smart city. 🔗

擴展 5G 生態圈－5G LAB

為展示香港最新的 5G 應用及新興的應用，SmarTone 於環球貿易廣場天際 100 觀景台設立 5G LAB。自 2021 年 4 月揭幕後，5G LAB 至今已吸引逾四十萬名來自不同界別的訪客參觀，包括政府官員、學生、商業夥伴和市民大眾。

5G LAB 透過展示各種 5G 方案，成功連繫業界的主要持份者、初創企業和大專院校，讓各方共同探索 5G 帶來的新商機，並進一步完善香港的 5G 生態圈。

SmarTone 以 5G LAB 作為加強業界合作的主要平台，銳意以嶄新的 5G 客戶體驗提升生活質素，同時亦透過劃時代的 5G 應用加強企業服務和營運效率，SmarTone 很榮幸地在推動香港發展成為智慧城市方面，擔當了領先的角色。🔗