



「多功能智慧燈柱」 試驗計劃 “Multi-functional Smart Lampposts” Pilot Scheme

計劃簡介

為推行「多功能智慧燈柱」試驗計劃，政府於2019年正式展開安裝智慧燈柱的工程。首階段位於九龍灣常悅道、啟德承啟道和觀塘市中心的智慧燈柱已於2019年6月投入服務，收集不同實時城市數據如氣象、空氣質素，以開放數據方式於「資料一線通」（data.gov.hk）發放，便利公眾運用數據，開發更多創新應用。此外，「資料一線通」亦公布已安裝的智慧燈柱位置、功能及設備清單，讓公眾對智慧燈柱的功能及應用，有更深入客觀的理解。

Introduction

In taking forward the “Multi-functional Smart Lampposts” Pilot Scheme, the Government commenced the installation works of smart lampposts in 2019. The first phase of smart lampposts at Sheung Yuet Road in Kowloon Bay, Shing Kai Road in Kai Tak and at Kwun Tong Town Centre commenced service in June 2019 and started to collect various types of real-time city data such as meteorological data and air quality data. Such data collected are released to the public as an open data via the Public Sector Information Portal (data.gov.hk) for facilitating them to develop more innovative applications. Furthermore, a list of the locations, functions and equipment in respect of the smart lampposts installed has also been released via the Portal so that the public will be able to gain a better and objective understanding of the functions and applications of smart lampposts.



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“Multi-functional Smart Lampposts”
Pilot Scheme

私隱友善

政府資訊科技總監辦公室於2019年8月成立「智慧燈柱技術諮詢專責委員會」，檢視智慧燈柱的私隱保障技術及措施。委員會在2020年3月提交的報告中，一致同意智慧燈柱是推動香港智慧城市發展和促進5G網絡建設的重要基建。政府因應委員會建議，採取不同措施保障個人私隱，繼續推行試驗計劃。

Privacy-friendly

The Office of the Government Chief Information Officer established the Smart Lampposts Technical Advisory Ad Hoc Committee in August 2019 to review the privacy protection technologies and measures of smart lampposts. In its report submitted in March 2020, the Committee unanimously agreed that the smart lamppost is an important infrastructure on which to promote the development of Hong Kong into a smart city and facilitate the construction of 5G network. The Government follows the advice and continues to take forward the Pilot Scheme and adopt various measures to protect personal privacy.



智慧燈柱技術諮詢專責委員會
Smart Lampposts Technical Advisory
Ad Hoc Committee



智慧燈柱 LAMPPOSTS 照亮未來 FUTURE

Smart
Light up

道路照明

LED道路照明設施可增加能源效益，使街道更清晰明亮



發光二極管燈
LED Lighting

Road Lighting

With LED for road lighting, energy efficiency is enhanced with the road brighter and clearer

環境和天氣資訊

透過感應器，隨時取得附近地區的空氣污染狀況和溫度、濕度等數據，提供環境和天氣資訊

Environment and Weather Information

With different sensors, data on air pollution, temperature and humidity in the vicinity can be accessed anytime to provide environment and weather information



空氣質素感應器
Air Quality Sensor



氣象感應器
Meteorological Sensor

通訊服務

提供Wi-Fi和5G通訊服務，隨時可以透過Wi-Fi免費上網和獲得穩定的5G服務

Communications Services

With Wi-Fi and 5G communications services, you can have free access to the Internet via Wi-Fi and enjoy 5G services anytime



Wi-Fi標誌
Wi-Fi Label



5G無線電基站
5G Radio Base Station

定位服務

定位裝置，助你隨時準確知道自己身在何方

Positioning Services

With positioning devices, you can always know your whereabouts with precision



地理標記
Geo-marker



地理二維碼標籤
Geo-QR Code Tag



藍牙傳送器
Bluetooth Beacon



無線射頻識別標籤
RFID Tag

交通資訊

透過熱能及光學探測提供實時交通資訊，提升交通管理的效率，令市民出門路路暢通



熱能探測器
Thermal Detector



光學雷達（測試中）
LiDAR (under testing)

Traffic Information

Thermal and LiDAR detection can provide real-time traffic information to enhance efficiency of traffic management and to reduce road congestion



「多功能智慧燈柱」虛擬展覽
"Multi-functional Smart Lampposts"
Virtual Exhibition

（裝置樣本僅供參考）
(Device samples are for reference only)