

歡迎下載「我的九龍東」

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My Kowloon East (MyKE)



測試期間收集到的資料將會絕對保密，只供測試之用。

All collected data will be kept strictly confidential and used for this trial only.

待研究完成後，所有收集到的資料會被妥善刪除。

All collected data will be properly deleted after completion of the trial.

測試期間，警方不會利用系統所收集到的資料用作執法用途。

During the trial, the Police will not use the collected data for prosecution purpose.



如有任何疑問，請致電

Should you have any enquiry, please call

熱線 Hotline: 9826 5484

發展局
Development Bureau
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SIEMENS
Ingenuity for life

路旁上落貨區監測系統 Kerbside Loading and Unloading Bay Monitoring System

概念驗證測試
Proof of Concept Trial

智慧城市
SMART

@KOWLOON EAST
九龍東

CITY



上落貨區 Loading and Unloading Bay

觀塘區內交通擠塞問題，主要是違例泊車和正確使用路旁上落貨區而導致。



Traffic congestion in Kwun Tong is mainly caused by illegal parking and improper use of kerbside loading and unloading bays.



目的

Objectives

探討如何應用人工智能及影像分析技術，辨認不正確地使用上落貨區的行為和提供實時空置情況，以便駕駛人士尋找空位進行上落貨活動。

Explore the use of artificial intelligence and video analytic technologies to detect improper use of loading and unloading bays and provide real-time vacancy information to drivers enabling them to find a space for loading and unloading of goods.

測試結果將用作評估系統的準確性和技術要求。測試期間，警方不會利用系統所收集到的資料用作執法用途。

The trial results will only be used to assess the accuracy and technical requirements of the system. During the trial, the Police will not use the collected data for prosecution purpose.

測試範圍 Trial Area



- 監測範圍
Monitoring area
- 設置攝影機的燈柱 (約五米高)
Lamp post to be installed with CCTV camera (about 5 meters high)

正確使用上落貨區

Proper use of loading and unloading bay

- ✓ 上落貨
Loading and unloading of goods
- ✓ 上落客
Picking up and dropping off passengers
- ✓ 盡快騰出空位給其他使用者
Free up spaces for other users as soon as possible
- ✗ 停車等候
Stopping and waiting
- ✗ 停泊車輛
Parking
- ✗ 放置雜物
Occupying with objects



測試流程

Trial Workflow

2018

2019

安裝首批監測系統
Installation of first batch
of monitoring system
(第二季 2nd quarter, 2018)

發放上落貨區實時空置情況
Release real-time vacancy information
of loading and unloading bays
(第三季 3rd quarter, 2018)

影像分析 (深度學習)
Video Analytics (Deep Learning)

完成測試
Completion of trial
(第三季 3rd quarter, 2019)

天線
Antenna

攝影機
Camera

電池
Battery