

智能運輸系統 Intelligent Transport Systems (ITS)



於八十年代普遍採用的T125型號交通燈控制箱，俗稱「豬仔機」

The model T125 traffic signal controller, commonly known as "Piggy" traffic signal controller

智能運輸系統利用先進智能科技令交通系統更安全、可靠、有效率、方便及環保。

Intelligent Transport System refers to the deployment of advanced intelligent technology to enhance the safety, reliability, efficiency, user and environmental friendliness of the transport system.

1977

首個區域交通控制於在西九龍區啟用，為當時東南亞首套由電腦控制的交通系統。
First computerized **area traffic control system (ATC)** in Southeast Asia started operation in West Kowloon.

1982	擴展到香港島	extended to Hong Kong Island
1992	加設閉路電視	CCTV cameras were added
1995	擴展到東九龍	extended to East Kowloon
1998	擴展到荃灣及沙田	extended to Tsuen Wan and Sha Tin
2006	擴展到大埔及北區	extended to Tai Po and Northern District
2008	擴展到元朗及屯門	extended to Yuen Long and Tuen Mun

1992

電子收費系統引進香港，以自動化方式取代人手收費，駕駛人士無需要在收費站前停車。
Automatic Toll Collection System was introduced in Hong Kong to enable payments without stopping vehicles at the toll booths.

1993

衝紅燈攝影機在引進香港，有效地減低有關路口的交通意外約55%。全港現有131個交通燈號控制路口設有攝影機箱，輪流擺放96部衝紅燈攝影機。
The **red light camera** introduced in Hong Kong effectively reduces traffic accidents caused by red light jumping at specific junctions by about 55%. At present, there are altogether 131 signal-controlled junctions where a red light camera housing has been installed, with a total of 96 cameras operating at the camera housings on a rotational basis.

1998

青馬管制區綜合交通管制及監察系統啟用，提高交通管理的效率。
Comprehensive Traffic Control and Surveillance System started operation in Tsing Ma Control Area to manage the traffic more efficiently.

1998

香港採用電子停車收費錶。
Introduction of **electronic parking meters** in Hong Kong

1999

偵速攝影機引進香港，將車速超出限制達每小時15公里的個案數目減少50%，導致有人受傷的交通意外數目亦減少40%。目前全港合共有85個攝影機箱，輪流擺放10部偵速攝影機。
The **speed enforcement camera** was introduced to Hong Kong. It reduced speeding by 50% and traffic accidents by 40%. At present, there are altogether 85 speed enforcement camera housings in the territory, with 10 cameras operating at the housings on a rotational basis.

1999

閉路電視攝影機的交通狀況影像，上載互聯網。並於2007年透過流動電話播放，以便在行車途中察看交通狀況。
Images of traffic conditions at strategic locations captured by CCTV cameras started broadcasting to the public via the Internet. Since 2007 such images were available via mobile phones.



九十年代的交通燈控制中心
Area traffic control centre in the 1990's



青馬管制區的交通管制及監察系統
Comprehensive traffic control and surveillance system at the Tsing Ma Control Area