

MVA Hong Kong Limited



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Address: 22/F, Genesis, 33-35 Wong Chuk Hang Road, Hong Kong
Contact Person: Francis Sootoo
Tel: (852) 25297037
Email: francis.sootoo@mvaasia.com
Website: www.mvaasia.com
Social Media: LinkedIn: <https://www.linkedin.com/company/mva-asia-limited>

Company Profile

MVA is a leading transport planning and traffic engineering specialist consultancy in Asia. MVA set up its regional head office in Hong Kong in 1978, with permanent offices in Beijing, Shanghai, Shenzhen, Singapore, Bangkok and project offices in Ho Chi Minh City and other Asian cities.

MVA offers a complete range of professional consultancy services in traffic engineering, transport planning and business market research. Working closely with public and private sectors including governments, NGOs, operators, financial institutions, development fund agencies, developers, investors, architects, planners, engineers and contractors, MVA is experienced in providing consultancy services from initial concept stages, through planning, feasibility, detailed design to construction.

MVA is a SYSTRA Group company. SYSTRA, a world leader in the design of transport infrastructures, is an RATP and SNCF subsidiary.

MVA has ISO 9001:2015 accredited by the HKQAA.

Services

Engineering Services



Integration and Interface with TOD and Transport Interchange of HSR Linking 3 Airports Project, Thailand

Thailand

Project Category

Transportation

Client

CP-led JV, Eastern High-Speed Rail Linking Three Airports Co., Ltd

Scope of Work

Engineering Services

Gross Area (sq m)

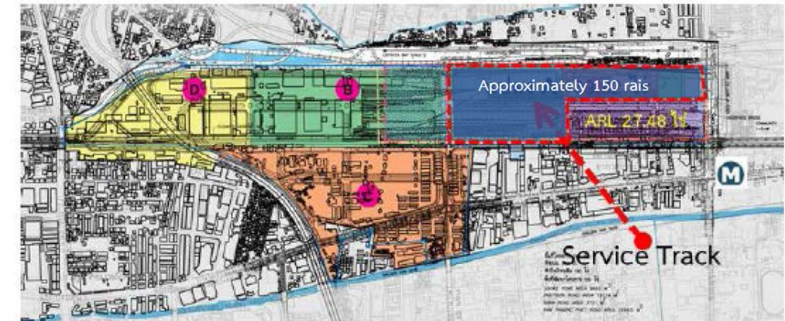
220km

Contact

Francis Sootoo

Tel:
(852) 25297037

Email:
francis.sootoo@mvaasia.com



High-speed railway linked 3 Airports project is a 220km high-speed rail line, linking up the airports between Don Mueang International Airport, Suvarnabhumi International Airport, and U-Tapao International Airport. SYSTRA led the CDC study with MVA support and responsible for the study scope modal split of each station, traffic access routing and strategy, conceptual road alignment for connections from the station, the TOD, and the transport hub to the external highway system. MVA was also responsible for the conceptual pedestrian connections with the immediate surroundings, conceptual traffic circulation strategy for the TOD and transport hub and recommendations for parking and pick-up/ drop-off strategy.



Makkasan Transit Oriented Development Project

Thailand

Project Category
Transportation

Client
Nebula Corporation Limited

Scope of Work
Engineering Services

Gross Area (sq m)
2.15 million

Contact

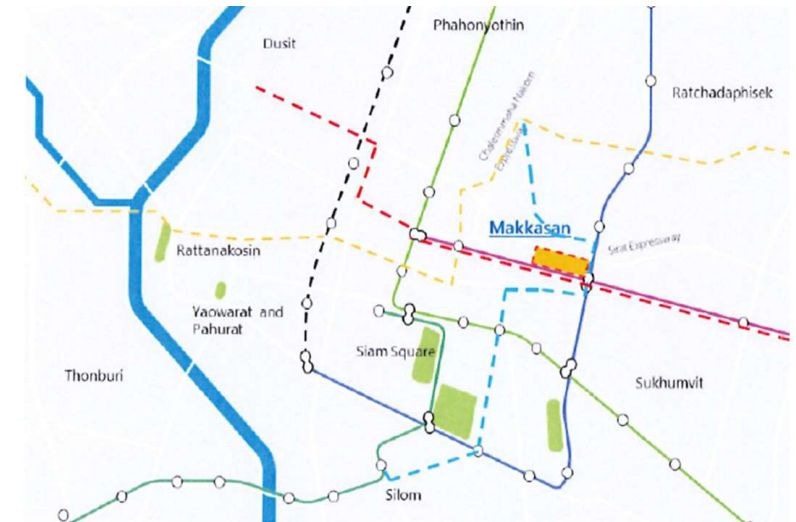
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Email:
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MVA developed a conceptual traffic master plan with a mixed-use development (i.e. condominium, office, retail, hotel, serviced apartment, and MICE) located adjacent to a high-speed rail station with car parking capacity over 18,000 lots. The study covered assisting the architect in developing traffic and transport strategies on site access, internal road networks, traffic circulation, transport servicing facilities, and car parking. An external traffic study using vehicular micro-simulation modelling to enhance site access was also conducted.



Feasibility Study for Transport Interchanges of Hanoi Pilot Metro Line from Nhon to Hanoi Train Station (Line 3-1)

Vietnam

Project Category

Transportation

Client

Agence Francaise Development (AFD)

Scope of Work

Engineering Services

Completion Year

2013

Gross Area (sq m)

3km

Contact

Francis Sootoo

Tel:
(852) 25297037

Email:
francis.sootoo@mvaasia.com

The feasibility study for transport interchanges of Hanoi Pilot Metro Line (Line 3-1), consists of 3km underground. The objective was to improve accessibility of both Cau Giay and Ngoc Khanh metro stations and ensure multimodality through a good connectivity of the metro line with existing and future public transport system.



Shenzhen Super Headquarter Detailed Transport Plan

Shenzhen, Guangdong, China

Project Category

Transportation

Client

Shenzhen Bay Area Urban Construction Development Co., Ltd.

Scope of Work

Engineering Services

Gross Area (sq m)

440,000

Contact

Francis Sootoo

Tel:
(852) 25297037

Email:
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MVA was responsible to update the traffic guideline and master plan involving major changes in transport planning, to provide professional traffic advices on proposed schemes in the ongoing special planning related to the special planning and the topical study for the project, to provide professional traffic advices on various blocks of Shenzhen Bay Super Headquarters Base, to provide professional traffic advices on the relevant content that affects the site according to the planning and design of the construction project of the sunken section of Binhai Avenue. MVA carried out technical consultancy advices on the planning and design schemes of related transport infrastructure projects within the site.



Hong Kong West Kowloon Railway Hub Planning and Design Research

Hong Kong

Project Category
Transportation

Client
MTRC

Scope of Work
Engineering Services

Completion Year
2018

Gross Area (sq m)
110,000

Contact

Francis Sootoo

Tel:
(852) 25297037

Email:
francis.sootoo@mvaasia.com

Hong Kong West Kowloon Railway Hub serves as one of the largest and busiest underground train stations in the world. MVA was responsible for the high-speed railway station area function orientation and planning concept, the external organisation of hub, layout planning of traffic facilities and transfer in hub. MVA also carried out planning and modelling for pedestrian connection in core area, station planning and detailed design, traffic organisation design around the station, reconstruction and optimisation of original road network.



Revision of Wuhan Rail Transit Network Planning: Research on "Metro + Property" and "Multi-Mode Integration"

Wuhan, Hubei, China

Project Category

Transportation

Client

Wuhan Transportation Development Strategy Institute

Scope of Work

Engineering Services

Completion Year

2013

Project Cost

USD 22,000

Contact

Francis Sootoo

Tel:
(852) 25297037

Email:
francis.sootoo@mvaasia.com

MVA researched on the development of the upper property of the rail transit station, in the aspect of "Metro + Property", provided traffic consultancy services on having the underground commercial street around the station, and the parking lot. The full planning and development of the site will help solve the financing problem of rail transit construction. MVA, as the sub-consultant to Wuhan Transport Development Strategy Institute, also carried a feasibility study on new modes of transportation such as trams and aerial suspension rails, established an efficient and well-connected integrated passenger transportation system, coordinated with development of multiple modes of transportation and an integrated interchange hub system with rail stations as the core.



Colombo Port City Master Plan

Sri Lanka

Project Category

Transportation

Client

CCCC-FHDI Engineering Ltd.

Scope of Work

Engineering Services

Completion Year

2014

Gross Area (sq m)

5,279,867

Contact

Francis Sootoo

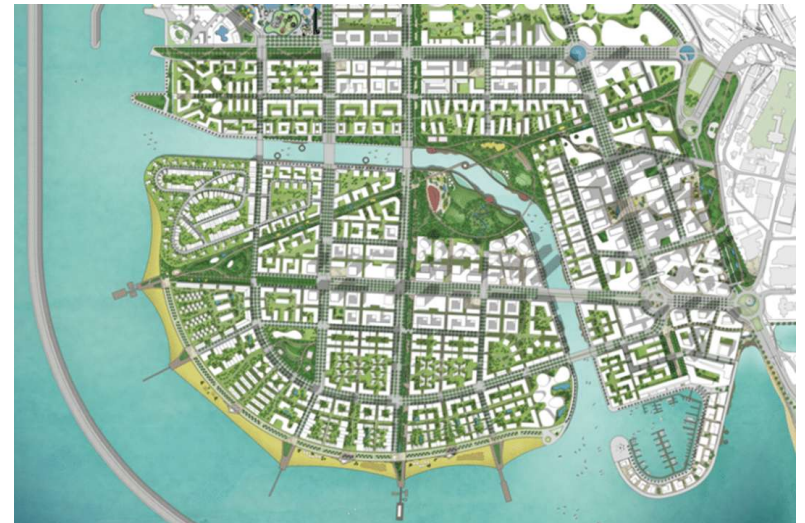
Tel:

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Email:

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MVA was commissioned as the traffic consultant to assist with the transport aspects of the Masterplan for this development. The development could accommodate up to 100,000 residents and around 85,000 jobs. The aim is to provide a balance of land use including hotels, a range of housing to provide for different income levels, offices and commercial and service activities.



Project Connect II - Traffic Advisory Services for Changi Airport Group (CAG) Singapore

Project Category
Transportation

Client
Changi Airport Singapore

Scope of Work
Engineering Services

Completion Year
2018

Gross Area (sq m)
1276000

Contact

Francis Sootoo

Tel:
(852) 25297037

Email:
francis.sootoo@mvaasia.com

MVA carried out a traffic impact assessment study to assess the impact of the new Terminal 3 on the existing road layout, to identify potential choke points and traffic conflicts and to propose improvements. MVA was commissioned to carry out a traffic study of Terminal 1 covering the arrivals taxi stands, private car pick-up/ drop-off and the car park for terminal 1. The study recommended reconfiguration of the facilities including a major change in the car park for Terminal 1. The study recommended reconfiguration of the facilities including a major change in the car park layout and circulation. A micro-simulation model was built to demonstrate the impact of the changes.



Hong Kong International Airport Terminal 2 Expansion and SkyCity

Hong Kong

Project Category

Transportation

Client

Hong Kong Airport Authority

Scope of Work

Engineering Services

Completion Year

2019

Gross Area (sq m)

350,000

Contact

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Tel:
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Email:
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MVA focused on studying Hong Kong International Airport and Airport City commercial development - SkyCity, including a layout design of terminal and transport hub, terminal parking facilities and pick-up/ drop-off area design, design of roadworks around terminal building, travel mode analysis of passengers and staff in the airport, and circulation design and flow forecast of vehicles and pedestrian.



MTRC Airport Express Line Kowloon Station and Property Hong Kong

Project Category
Transportation

Client
MTRC

Scope of Work
Engineering Services

Completion Year
2008

Gross Area (sq m)
1,096,026

Contact

Francis Sootoo

Tel:
(852) 25297037

Email:
francis.sootoo@mvaasia.com

Kowloon Station development is a transit-oriented development (TOD) project consists of residential, retail, commercial and mixed-use development. MVA was responsible for station planning, public transport interchange, Station and Transport Integration Committee (STIC) submission, station traffic forecasts and impacts, and pedestrian connectivity assessment. MVA also reviewed the comprehensive property development at the station comprising residential, hotel, retail, and office uses, on traffic accesses, internal traffic circulation, internal transport facilities provision, and construction traffic impacts and arrangements.





Hong Kong Trade Development Council – Head Office

38/F Office Tower, Convention Plaza,
1 Harbour Road, Wan Chai, Hong Kong
Tel: (852) 1830 668 Fax: (852) 2824 0249 Contact us: www.hktdc.com/contact-us

香港貿易發展局總辦事處

香港灣仔港灣道1號會展廣場辦公大樓38樓
電話：(852) 1830 668 傳真：(852) 2824 0249 聯絡：www.hktdc.com/contact-us

www.hktdc.com

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