

Rail in Asia

MVA Consultancy Services for Rail Projects

MVA is a world leader in railway and public transport planning, and has extensive experience on rail projects in Asia. Our services on rail projects include:

- ▶ Patronage and revenue forecasting
- ▶ Fare sensitivity and optimisation
- ▶ Affordability studies
- ▶ Data collection and analysis
- ▶ Market research
- ▶ Ticketing and fare collection systems
- ▶ Economic and financial assessment
- ▶ Station planning and design
- ▶ Station area / integration studies
- ▶ Feeder systems and transport interchange
- ▶ Pedestrian and access studies
- ▶ Traffic management during construction

MVA operates in Asia from a regional head office in Hong Kong; local offices in Thailand, Singapore, India and China; and project offices in other countries. MVA can also call on the full resources of parent company SYSTRA, one of the world's leading consultancies in railway operations, systems and engineering.

Recent MVA Experience on Rail Projects

Hong Kong

- ▶ MTRC network studies, extensions, patronage forecasts, pedestrian and station studies
- ▶ KCRC East and West Rail patronage forecasting, operations, station layouts, transport interchanges
- ▶ Airport Railway (express and mass transit) demand forecasting, system planning, station design
- ▶ Cross-Border patronage and station layout studies
- ▶ Tuen Mun Yuen Long LRT traffic control system evaluation, design and implementation
- ▶ Railway Development Study strategy study for future (20-year) railway development in Hong Kong

Thailand

- ▶ Bangkok BTS (Skytrain) patronage and revenue forecasting, fare and affordability studies, including studies of BTS Extensions and Feeder Services
- ▶ MRTA Blue Line patronage forecasting and intermodal

transfer studies

- ▶ Audits of patronage and revenue forecasts

Philippines

- ▶ Manila MRT Fares Integration and Common Ticketing Study and affordability studies
- ▶ Manila Calabarzon Express (MCX) patronage, revenue, affordability and feasibility studies

Singapore

- ▶ Singapore Transit Link integrated ticketing and fares implementation and management
- ▶ Advanced People Mover System - detailed feasibility study for Science Hub (one north)
- ▶ Forecasting, sensitivity analysis and bid preparation advice for new privatised MRT line project

Malaysia

- ▶ Kuala Lumpur MRT Lines 1 & 2
- ▶ Sentral Station design studies
- ▶ Johor Bahru & Melaka LRT studies

Vietnam

- ▶ Hanoi Urban Rail forecasting and feasibility study
- ▶ Ho Chi Minh Metro masterplan, and Line 2 feasibility study

Pakistan

- ▶ Lahore MRTS masterplan study, Feasibility Studies for Green and Orange Lines, Reference Design studies for priority line

Taiwan

- ▶ Taipei Kaohsiung high speed railway project
- ▶ Taipei rapid transit system consultancy

China

- ▶ LRT & MRT studies in many cities including Shenzhen, Guangzhou, Wuhan, Beijing, Shanghai
- ▶ Transport masterplan studies in Huangzhou, Beijing

India

- ▶ Patronage & Revenue Forecasting Study for Mumbai Metro Line 2
- ▶ Review of Revenue Forecasts Hyderabad MRT
- ▶ Patronage Forecasting Study for Delhi Airport Express Line
- ▶ Traffic Management & Station Plans for Metro Line 1
- ▶ Patronage Forecasting Study for Amritsar MTS
- ▶ Initial Review of Patronage Forecast for Kolkata Monorail



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