

MVA in Thailand

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MVA has been involved in projects in Thailand for over 20 years. During this period, we have enjoyed long and successful relationships with both Government and the private sector, on some of the most prestigious transportation and development projects. Projects are frequently undertaken using both Thai and international resources, enabling us to combine international expertise with local knowledge and experience.

Systra MVA (Thailand) Ltd (formerly MVA (Thailand) Ltd) was established in December 2000, with a permanent office in Bangkok. The Bangkok office is supported from our regional headquarters in Hong Kong, MVA Asia Limited. Both companies are part of the MVA Group, comprising some 400 professional staff in traffic and transportation worldwide. MVA is the largest independent traffic and transportation consultancy in SE Asia, and one of the largest in the world.

MVA Consultancy Services

MVA provides professional consultancy services in all aspects of traffic and transport planning and management. We advise on transport policy, plans and projects and on the operation of transport and traffic systems, at national, regional, urban and local levels. Clients include Governments, local authorities, transport operators, project developers and financial institutions.

MVA operates most modern specialist transport software packages such as CUBE (VOYAGER, TRIPS, TRANPLAN, TP+, CARGO, DYNASIM), VISSIM, EMME/2, SATURN, SIDRA, PARAMICS, HiCAP.

Transport Forecasting in Bangkok

MVA maintains up-to-date and detailed transport forecasting models for the Bangkok area. Based on the CUBE suite, models include a full "4-stage" transport model, and detailed road and public transport models. The models have been regularly updated/validated against observed travel patterns, including Vehicular traffic (BECL & DMT (Toll road) and PT users (BTS (Skytrain)).

The models include all significant existing and future transport schemes, and incorporate detailed demographic and socio-economic inputs. They are suited to a wide range of applications on future development and transport infrastructure projects in and around the Bangkok area.

Recent Project Experience in Thailand

MRTA (Blue Line) Intermodal Transfer Facilities

MVA led transport studies for MRTA on the design of transfer facilities, bus restructuring and station area planning for the Blue Line Metro system.

Bangkok Transit System (BTS Skytrain)

For many years, MVA has been providing forecasts of future patronage and revenue, and analysis of patronage characteristics and trends. This has included examination of alternative fare strategies and feeder bus integration.

Expressway Projects

MVA has undertaken many projects relating to existing and proposed expressways: expressway traffic and revenue forecasts; phasing studies; expressway and tollway integration studies; distance-based toll study; and network extensions.

Don Muang Tollway

MVA has undertaken traffic and revenue forecasting, and design of toll collection, and TCS equipment for Don Muang Tollway. The forecasts have examined the impacts of system extensions, competing new roads, and various toll scenarios.

Bangkok Elevated Road and Train System (BERTS)

MVA acted as transport advisors in support of the prospective financing for this "mega-project", and provided similar advice in support of a bid to restart the stalled implementation of the scheme.

Tools and Methodologies for the Development of An Energy and Environmental Assessment.

MVA has undertaken this study on behalf of the French Development Agency (AFD), to assess the ability of current analytical tools and procedures used in analyzing energy consumption, green house & automotive exhausts of alternative potential transport and land use interventions in the Bangkok area. The study recommended organizational improvements for best integrating these aspects within the planning and decision-making processes

Urban Transport Database and Model Development

MVA led this study on behalf of OCMLT (renamed to OTP), to develop transport databases and forecasting models at both national and local levels. This project developed the traffic forecasting tools for future transport studies, on which major decisions on transport infrastructure investment would be made.

Traffic Studies for Various Development Projects

Recent development projects on which MVA has been involved include: Tesco Lotus superstore; Sofitel Hotel; Royal Ratchadamri Development; Seacon Square and Seri Centre commercial complexes; Chulalongkorn University Development Masterplan; Bumrungraj Hospital; Future Park Rangsit; Athenee Place&Tower; Kempinski Hotel; DKSH One Roof; Central Chaengwattana; Impact Muang Thong Thani; Central Pattaya; Central Chonburi; Central World; Central Ploenchit; Nawamin City Masterplan; Central Rama 9; various Carrefours.

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