

## MVA in The Philippines

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MVA has a long history of involvement in projects in The Philippines, and has a permanent office based in Metro Manila. MVA is able to offer international expertise, together with local knowledge and experience. MVA is part of the Systra Group, one of the largest international transport consultancies in the world. MVA currently operates in The Philippines through the permanent Manila office of Systra Philippines Inc.

### 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.

### Transport Forecasting in Metro Manila

MVA maintains a detailed multi-modal transport forecasting model of the Metro Manila area. Based on the CUBE suite, the model takes as inputs land use, network, socio-economic and demographic data, and is capable of forecasting rail, road and public transport demands.

The model has been used for studies of traffic and rail patronage forecasts, and is suited to a wide range of applications on future development and transport infrastructure projects in and around Manila.

### Recent Project Experience in The Philippines

#### Manila Northern Intermodal Terminal Complex

Feasibility studies and preliminary layout design for major out-of-town terminus for provincial buses, and interchange to urban modes (rail, bus, jeepney, taxi, car). Planned to accommodate in excess of 100 Million passenger throughput per annum, this will be one of the largest intermodal complexes in Asia.

#### Manila North Tollway

Independent review of traffic and revenue forecasts for proposed upgrading and re-tolling of 80km expressway.

#### Metro Star Express (EDSA MRT)

Patronage and revenue forecasting, and analysis of alternative fare

strategies. Fare structures were evaluated, and advice provided to potential investors.

#### Pasig Expressway

Traffic and revenue forecasts for potential toll road in Metro Manila. The study involved model development, including traffic survey data, and preparation of annual revenue streams for a variety of toll scenarios.

#### Manila Calabarzon Express (MCX) Railway

Ridership and revenue forecasts for proposed suburban commuter rail network south of Manila. Model development included extensive stated preference surveys, and forecasts were prepared for various fare and network scenarios, and interfaces with other planned rail systems.

#### Metro North Township Masterplan

Traffic engineering and transport planning for a proposed major new township. Advice included road layouts, access routes, public transport requirements, and new requirements for upgrading of existing transport infrastructure.

#### Regional Traffic Planning Studies

MVA has undertaken traffic engineering design and planning for a number of regional projects in The Philippines, including Butuan City in Mindanao, and Tarlac City in Luzon. On such projects, we have assisted local authorities and planners in formulating and designing improvements to alleviate traffic problems.

#### Traffic Studies for Development Projects

Our services on development projects typically include: road layout and access planning; traffic impact assessment; junction designs and car parking; internal traffic circulation; pedestrian and public transport access studies. Representative projects include:

- ▶ Metro North Township project
- ▶ Fort Bonifacio commercial and special event areas
- ▶ The Enterprise Centre development, Makati
- ▶ Belle Bay development, Manila Reclamation area
- ▶ St Luke's Hospital Traffic Access & Circulation

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