



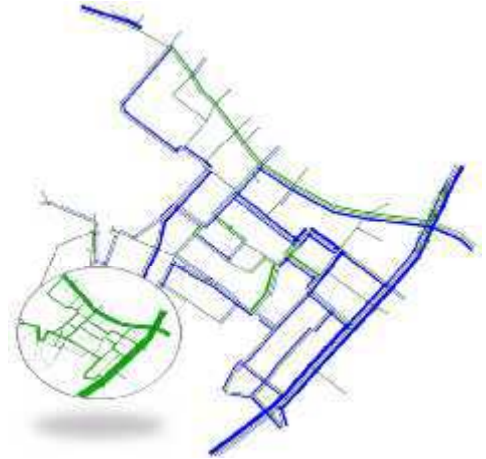
# Strategic and Mesoscopic Modelling

**Bitzios Consulting** specialises in transport modeling. We have over 20 staff experienced in using packages such as Aimsun, EMME, VISUM, QRS2 and SATURN as well as building transport models from first principles using GIS and spreadsheets. Importantly, our staff are trained in transport modelling theory and not just in the application of modelling software meaning that we can quickly identify very quickly

issues with modelling processes and outputs. We are particularly skilled in designing a transport modelling methodology to suit input data, time and budget limitations and have developed a range of models for a range of purposes - from sketch planning to operational design. We are often called upon to review strategic models or build in economic evaluation procedures into existing models.

## Selected projects include:

- Gold Coast Southern and Central Area Aimsun Model
- Western Corridor Traffic and Transport Study
- Newcastle CBD Aimsun Model
- Gold Coast Commonwealth Games V4 Model Validation
- Gold Coast Local Government Infrastructure Plan (EMME)
- Sunshine Coast Local Government Infrastructure Plan (EMME)
- City of Ryde Aimsun Model Structure
- Smithfield Transport Corridor Business Case Review
- Tweed Road Development Strategy (EMME and Aimsun)
- Greenheart Gardens Strategic Modelling (EMME)
- Peer review of modelling for the Brisbane Bus and Train Tunnel (EMME)
- Traffic forecasts for the Airport Link Sale (EMME)
- Cairns CBD 2014 VISUM Model update
- Northern Sunshine Coast Area Transport Strategy Modelling (EMME and VISSIM)
- Wollongong Region TRACKS model peer review
- Aimsun mesoscopic model for light rail options near the University of NSW
- EMME modelling of cross town public transport opportunities in Brisbane
- Building in "Consumer Surplus" economic evaluation procedures into Adelaide, Brisbane and Gold Coast strategic models
- EMME modelling assistance for the Abu Dhabi master plan
- Springfield Rail Line Strategic modelling advice, Brisbane
- Pacific Motorway EMME Model Development (Nerang to Tugun), Gold Coast
- EMME modelling of Eastern Busway Project and Business Cases, Brisbane
- EMME modelling of the Proposed Gold Coast Hospital and University Development
- Gold Coast Rapid Transit Project VISUM model development
- SATURN modelling for the Milton Station precinct project, Brisbane
- SATURN modelling for the Hale Street Alliance, Brisbane
- Development of the Gold Coast Strategic Transport Model - Multi Modal
- Review of mesoscopic modelling needs and packages for the NSW RTA
- Creation of a SATURN model for the Caloundra CBD
- EMME modeling multiple scenarios for the Gold Coast Transport Strategy
- SATURN model development and scenario testing for Meadowbank NSW
- VISUM mesoscopic model development for Cairns and Hornsby
- VISUM model development and improvements for Sunshine Coast



## Other services include:

- ◆ Simulation modelling
- ◆ Management and review services
- ◆ Public transport studies
- ◆ Parking studies and assessments
- ◆ Road safety studies
- ◆ Traffic and transport studies
- ◆ Traffic and transport impact assessments
- ◆ Active transport studies
- ◆ Traffic and transport facilities design



For further information please visit our website:

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