

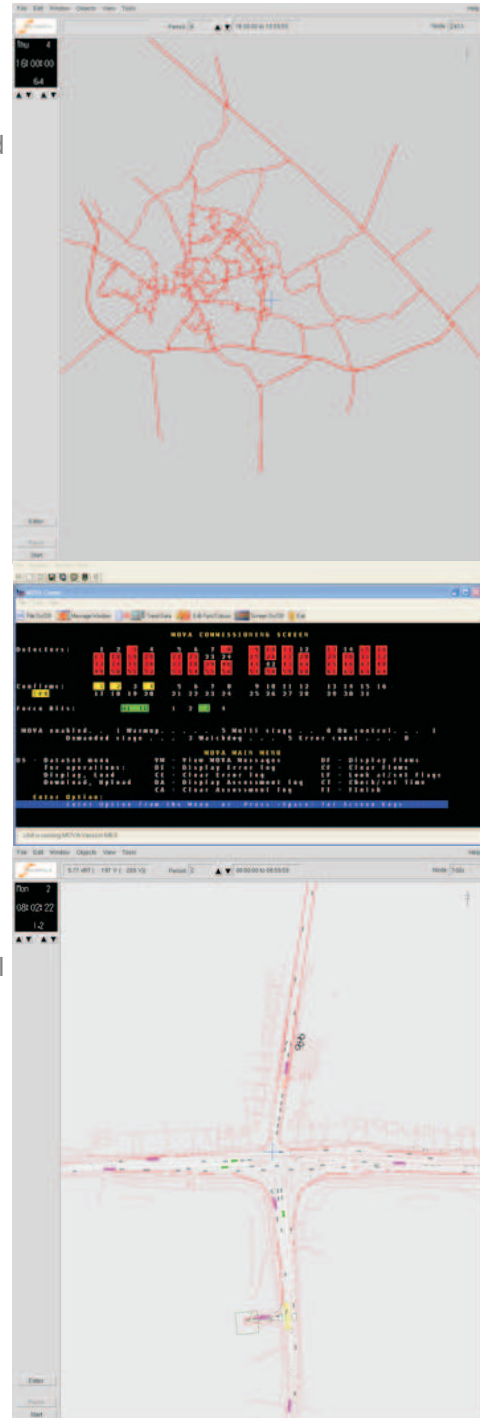
Transport Modelling

Stuart Michael Associates (SMA) has an established record for carrying out detailed multi-modal modelling of a wide range of transport systems, from individual roads and junctions through to complex networks comprising many hundreds of kilometres of road. Results of SMA's modelling have been used to optimise capacity and recommend improvements to roads and junctions throughout the country.

SMA's transport modelling capabilities include:

S-Paramics	Micro-simulation (unlimited licence)
PC-MOVA	Microprocessor Optimised Vehicle Actuation, traffic signal control
TRANSYT	Co-ordinated traffic signal control for junctions and networks
ARCADY	Assessment of Roundabout Capacity and Delay
PICADY	Priority Intersection Capacity and Delay
TRICS	Database of multi-modal trip rates
TEMPRO	Trip End Model Presentation Programme - forecast trip data

The company has an unlimited S-Paramics licence, allowing a network of any size and complexity to be created. A recent model created by SMA for an area of South Bedfordshire used Visual Transport Modeller and S-Paramics to construct a model of over 140km of highway network, with 30 major junctions and over 100 minor junctions. The model allows alternative scenarios over a number of years to be tested, analysed and compared.



SMA provide the following services

- Transportation
- Infrastructure
- Civil Engineering
- Structures
- Water and Environment
- Project Management