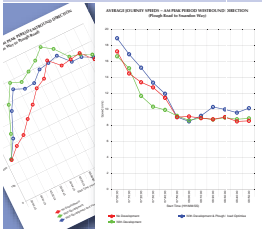




# TRANSPORT MODELLING

Transport modelling is widely used to establish the impacts that new development may have on the operation of the local transport network. In addition new transport infrastructure options, such as a bypass, are tested using area wide transport models.



## What is a Transport Model?

A computer model which replicates the transport or highway network and the vehicles that use it.

## Why use a Transport Model?

To quantify what will happen to the transport or highway network from changes in the demand and/or changes to the network. For example, by quantifying vehicle delays or junction capacity.



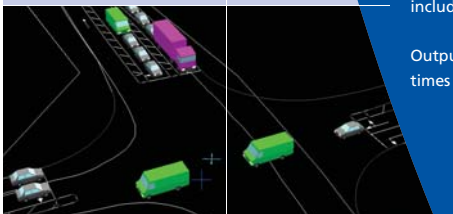
PFA Consulting has particular expertise in transport modelling and regularly uses modelling techniques and modelling programs when carrying out Transport Assessments. We have the latest modelling software to cover all areas of work including LINSIG, PICADY, ARCADY, OSCADY, TRANSYT, COBA, SATURN and S-PARAMICS.



A crucial element of modelling is the collection of survey data, such as traffic counts, journey times, queue lengths, public transport information or registration plate surveys. PFA Consulting has wide ranging experience in both undertaking and organising transport data collection.

## PROJECT EXAMPLE: BATTERSEA REACH S-PARAMICS MODEL

PFA Consulting has developed an S-PARAMICS micro-simulation model of the highway network in the vicinity of the proposed Battersea Reach mixed-use development. This has encompassed a number of complex junctions which included the Wandsworth Bridge signalised gyratory.



Outputs from the model enabled a comparison to be made of average journey times and travel speeds for scenarios with and without development.

engineering the future