



# TRAFFIC SIMULATION MODELLING

ITS Planners and Engineers Private Limited





## TRAFFIC SIMULATION MODELLING

ITSPE has carried out a number of projects that involve creation, calibration and validation of traffic simulation models and implementation of software based control of traffic signals and other traffic control mechanisms in simulation models.

Most of such models were created using open-source SUMO software. Our simulation models have been used to analyse the impact of new infrastructure or ITS systems on road networks.



### OUR SERVICES



Simulation modelling of urban road networks & highways



Emulation of ITS components within a traffic simulation model



Traffic signal timing optimisation using simulation modelling



## OUR PROJECTS

A list of representative example assignments is given below:



Micro-simulation modelling of a motorway ITS scheme in the UK, including the emulation of traffic control components



Micro-simulation modelling of urban roads for a large city in the UK



Simulation model development for a part of a major British city with UTC control



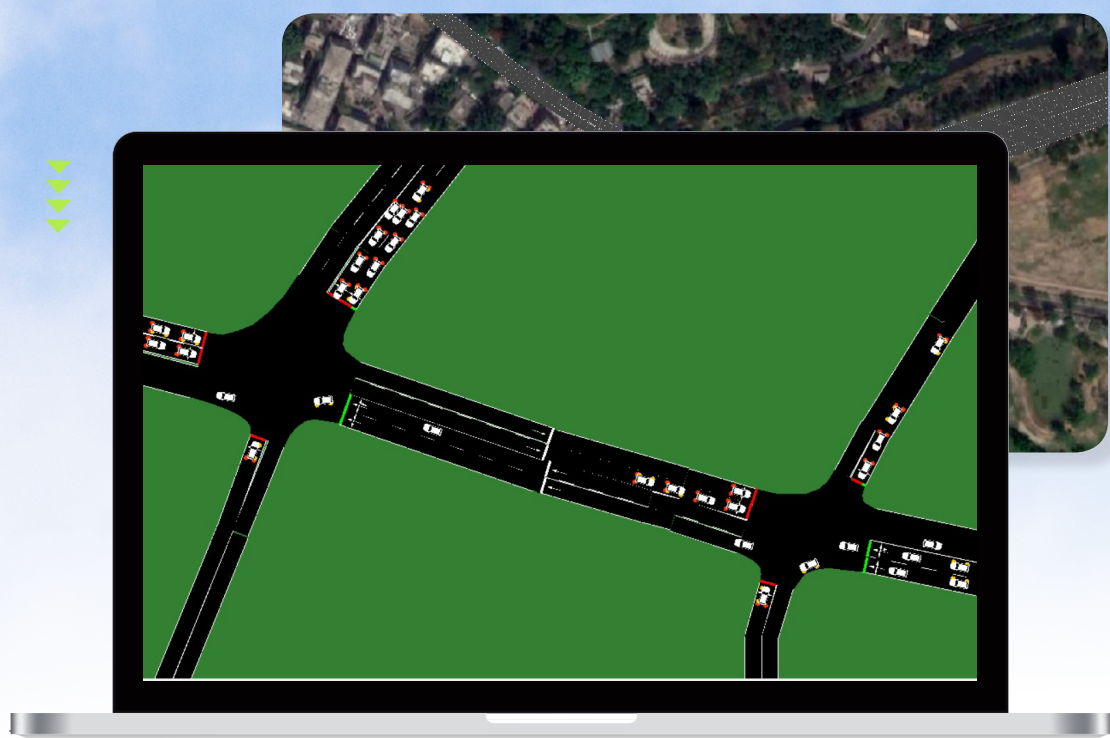
Simulation model of critical junctions in a US town



Travel demand estimation and microsimulation modelling of a multi-modal transit interchange in India



Micro-simulation modelling, including the emulation of ATCS system, for a number of Smart Cities in India





# ITS PLANNERS & ENGINEERS

An ISO 9001:2015 & ISO 14001:2015 CERTIFIED COMPANY

For more details and ordering information, CONTACT US NOW!

## Registered Office

Level 2, Oval Building  
iLabs Centre, Madhapur  
Hyderabad - 500081  
Telangana, India  
+91 (0) 40 4433 4265  
info@itspe.co.in

## Corporate Office

3rd Floor, Door  
No. 1-80/40/SP/58-65  
Shilpa Homes Layout  
Gachibowli  
Hyderabad - 500032  
Ph: +91 40 4856 4256  
info@itspe.co.in

## UK Office

28 East Street  
Ilminster TA19 0AJ  
United Kingdom  
info@itspe.co.uk