



Simplicity and common sense characterize our planning and strategic direction



Speaker Manraj Singh Bains Director, Unitrans Mobility Solutions Pvt Ltd

About Us

Company Incorporation - December 2018 As a private limited firm

The core staff at UNITRANS have worked in various countries like Middle-East, Africa, Australia/New Zealand and U.K. amongst others, and have previous experience of working in Central and State Governments in India and MNC's.

Core Team Members



Sharad Mohindru

B.Arch, Master's in Transport Planning, Certified Road Safety Auditor, 15+ years experience



Manraj Singh Bains B.E Civil, MSc Transport Planning & Engineering, PTV Certified Trainer, 10+ years experience



Pritha Ghosh Chatterjee B.Arch, Master's in Transport Planning, Certified Road Safety Auditor, 15+ years



Sirisha Bains B.PLan, Master's in Transport Planning, 10+ years experience

Our vision

To help our clients to achieve their business objectives by providing innovative, best-in-class consulting, traffic modelling, sales support solutions and transport planning services

Solutions to Congestion problems ?

Just as widening a road is in theory a solution to a congestion problem, building a competing mode is also a theoretical solution. By building a rapid transit line or running an express bus, or even building sidewalks and bike lanes, other people may switch off the road, leaving the roads faster for the rest of us.



The alternative to a real world testing is through a simulation. Decision-makers can test different solutions, fix ideas, solve mobility issues, and be able to fully understand the complexity of traffic system with zero impact.

Webling

6430279

TANK STREET

GRAZ

1114

Offline Products

PTV VISUM

Network modelling – large scale, national, regional and local transport network developments and demand modelling

PTV VISSIM

Detailed microscopic modelling of individual vehicles covering all modes of transport – multi-modal micro-simulation

PTV VISWALK

Advanced microscopic pedestrian simulation, both inside and outside buildings





Technology solutions for transport planning – Use cases

- Data driven solutions to enhance traditional approaches
- Using API Interfaces to assessment various transport supply options
- Calibrated model for local conditions
- Algorithms for integration of big data to transport demand modelling
- Planning for integration of new mobility modes CAV's
- Capacity building for government authorities



AI and machine learning methods for calibration behavior



Electric vehicle charging infrastructure Planning



Public Transport strategic and operational planning



Vehicle sensors



Road User In a loop



Emission models for kerb side emissions with local vehicle type data

Project Showcasing



Redevelopment of New Delhi Railway Station



M3M 65th Avenue, Mixed use development | Gurgaon





Office and Retail Sites, Aerocity Delhi

Integrated Warehouse, Amazon, Bangalore | Gurgaon



AMEX Campus, High Security Office Complex | Gurgaon



Redevelopment of Ahmedabad Railway Station



| IKEA Retail Stores – Hyderabad | Navi Mumbai | Bangalore



T3 and New T4 Forecourt and External Network, New Delhi





DETAILED TRAFFIC STUDY FOR IKEA RETAIL STORE

HYDERABAD | NAVI MUMBAI | BANGALORE

TRAFFIC & PARKING MANAGEMENT, SIGNAGE PLAN, PEDESTRIAN MOVEMENT

- Planning for 15 20 Million footfall
- Site access planning
- Traffic plan for peak weekends and opening weeks.
- Parking management and operational plan.



REDEVELOPMENT OF RAILWAY STATION AND PREPARATION OF IZP

Station Redevelopment & Integrated Transit Oriented Mixed-Use Development

- Station redevelopment for 6+ lacs Pax /
- Peak hour vehicle and parking Demand estimation with planning of Multi
- Design evaluation, development of MLCP, traffic operational plan and capacity augmentation plan