



# UNITRANS MOBILITY

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## SOLUTIONS

Simplicity and common sense characterize our planning and strategic direction

# Contents



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Our Company Introduction Core team members & Clients

## 2 Flagship Projects

Urban Transport | Site Planning Projects

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# 1 ABOUT US



# BRIEF

Established in 2018, UNITRANS has its **HEAD OFFICE located in Delhi** and a branch office in **Chandigarh** as well.

UNITRANS provides a comprehensive range of professional services across the entire spectrum of traffic and transport consulting, transport modeling (microsimulation and demand modeling), urban planning and designing, Parking Management & Parking Guidance system, master planning, and landscaping

Specialized in transportation planning, traffic engineering and operations, highways and corridor studies, traffic engineering design, traffic safety, multimodal integration, and town planning.

## Our AIM

Our aim is to provide clients with an integrated service specifically tailored for the individual needs of each project. **UNITRANS** aims to provide a comprehensive range of professional service to major development companies, professional organizations, and Government agencies throughout India and elsewhere.

## Team

The core staff at UNITRANS has worked in various countries, including the Middle East, Africa, Australia, and New Zealand, among others. They also possess previous experience working with both Central and State Governments in India, as well as with multinational company's (MNCs).

## Goals & Vision

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

*We offer safe, efficient and innovative solutions to enhance the daily travel experience!*





# Our Team



**SHARAD MOHINDRU**

Director Co-founder

B.Arch., Master's in Transport Planning PTV Certified Trainer, 17+ years experience



**MANRAJ SINGH BAINS**

Director Co-founder

M.sc Transport planning and Engineering, BE (hons) Civil, PTV Certified Trainer, 12+ Year experience



**SIRISHA SANAGAPALLI**

Associate Director

Public Transport Expert & Modeler  
B.Plan., Master's in Transport Planning, 12+ years experience



**ANINDYA GHOSH**

Associate consultant

(Urban Designer & Master Planning)  
B.Arch., Master in Urban Design, 15+ years experience



**NIVEDHA S.**

Transport Planner

B.Arch., Master's in Transport Planning, 3+ years experience



**SUMIT R.**

Assistant Planner

B.Plan  
0.5 year experience



**MUKESH DOGRA**

Traffic Engineer

B.Tech (Civil),  
5+ years experience



**SANDEEP JANGRA**

Transport Planner

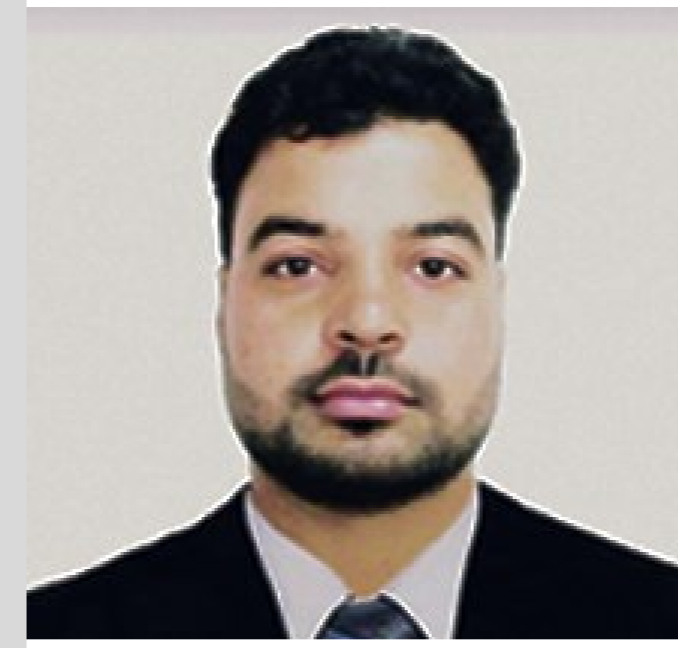
B.Plan., Master's in Transport Planning, 4+ years experience



**MOHD FAIZAN**

Architect Planner.

B.Arch., M.Arch(Ekistics),  
4+ years experience



**SALAHUDDIN AHMED**

Transport Planner

B.Tech(Civil), Master's in Transport Planning,  
2+ years experience

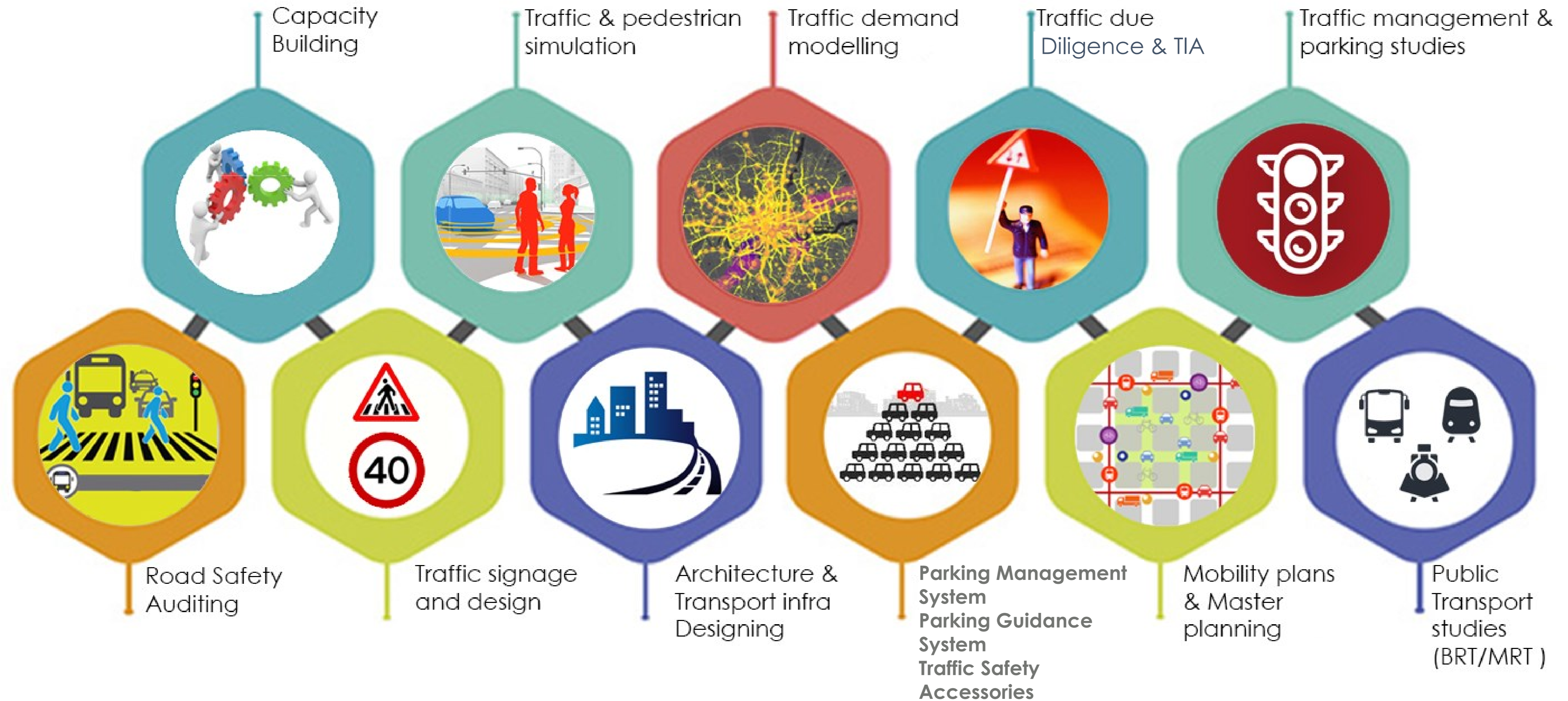


**SUNNY S.**

Associate Consultant

(Financial Expert)  
15+ years experience

# Our Services





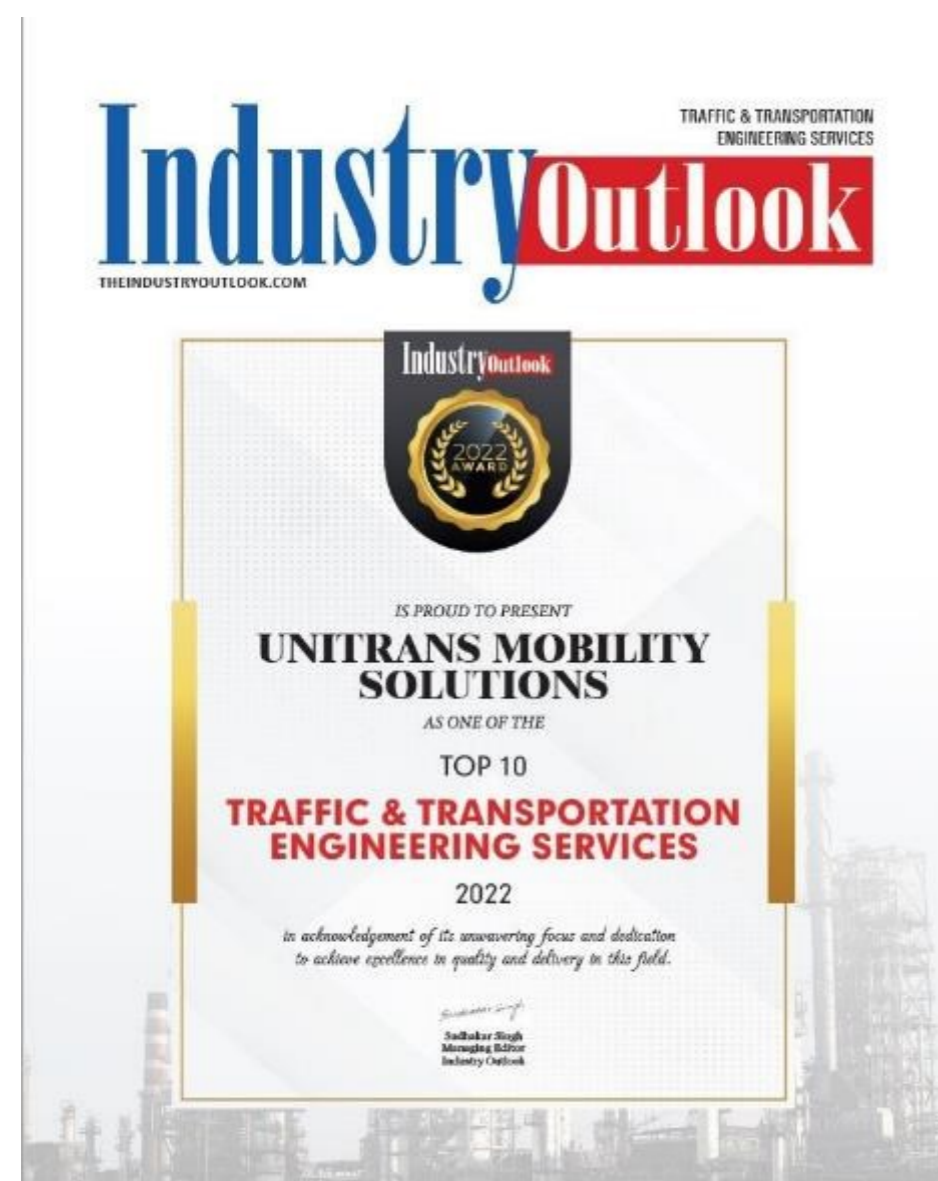
# Key Highlights

More than  
**60**  
satisfied national  
and international  
clients

**120+**  
completed traffic  
impact assessment  
studies

**70+**  
studies with detailed  
traffic and pedestrian  
micro simulation  
modelling

**20+**  
projects with regional  
travel demand  
modelling



1<sup>st</sup> Prize in Smart City competition from Honourable Prime Minister of India



# Key Clients



National Highway Authority of India



ANB CONSULTANTS





# Key Clients

**Cadila**  
Healthcare Limited



**ECORYS**

**TRACTEBEL**  
ENGIE

**Godrej**  
PROPERTIES

**RSP**



**IRITES**  
THE INFRASTRUCTURE PEOPLE  
A Government of India Enterprise



**ATKINS**

**bharti**

**DLFA**

**RIAA**

**HDFC BANK**

**amazon**

**SMART WORLD**  
iLive. iWork. iPlay.



**UTTIPEC**  
DELHI DEVELOPMENT AUTHORITY  
UNIFIED TRAFFIC & TRANSPORTATION  
INFRASTRUCTURE (PLG. & ENGG.)  
CENTRE

**AMERICAN  
EXPRESS**

**adventz**



NIRANKARI MISSION

# Key Clients



Asian Development Bank

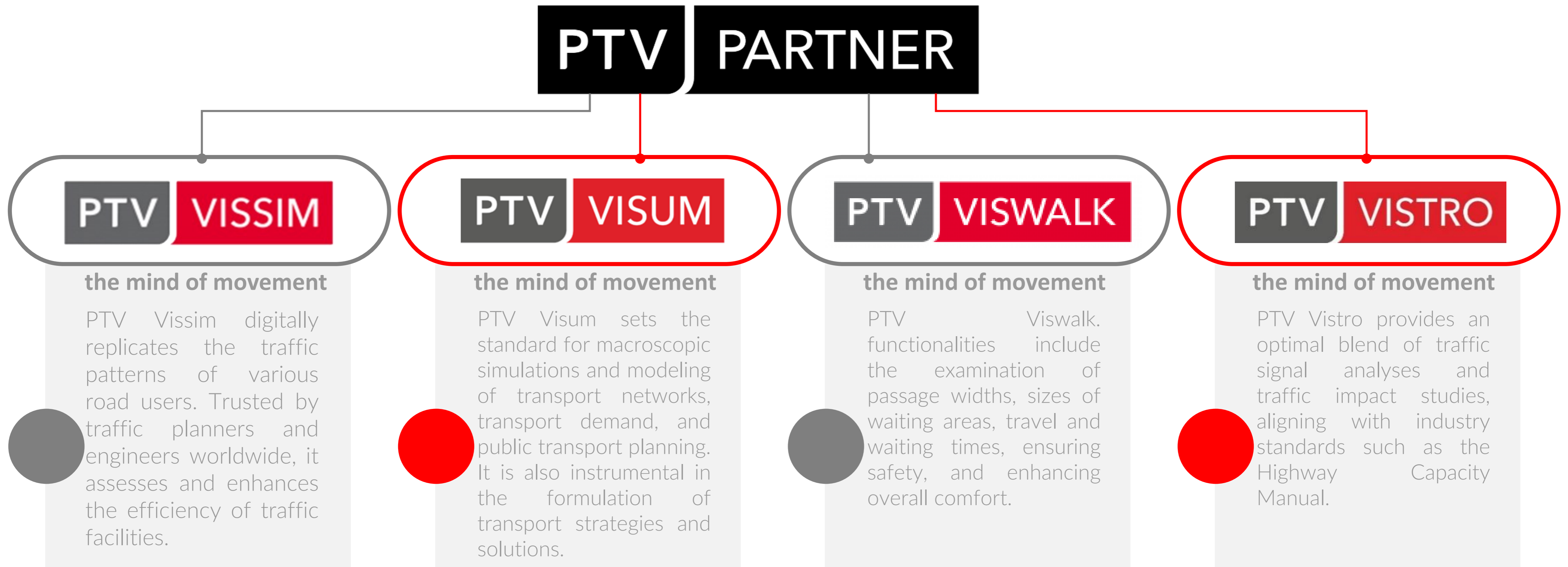




# Partners

**Sole Distribution partner for PTV Vissim, PTV Visum, PTV Viswalk and PTV Vistro software in India.**

**Unitrans provides software sales, support, maintenance and has inhouse PTV Certified Trainers for both basic and advanced training in the PTV Software suite.**



# PMS | PGS *System Integrator*

## Initiation

1. Project **Conceptualization**
2. Traffic Movement and operational plan
3. Understanding the **requirements**
4. Identifying Products focusing on Practical Traffic Operations

Engaging at the planning stage would create an additional advantage to understand the project's needs, latest technologies, and prepare an operational plan.

## Planning

1. Setting Traffic operational plan
2. Identifying the locations
3. Optimizing PMS-PGS quantities

## Detailing

1. Detailed equipment's operational usage and specifications
2. Comparing with the best available products
3. Finalizing BOQ
4. GFC drawings
5. Timelines

Optimizing quantities, preparing equipment specifications, coordinating with MEP on location of equipment, and integrating into BIM.

## Execution

1. Installation PMS - PGS
2. Quality Monitoring
3. Operational checks
4. Critical checks
5. Handing Over

Close coordination with the execution and architecture teams is essential for successfully implementing what has been planned.



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# FLAGSHIP PROJECTS



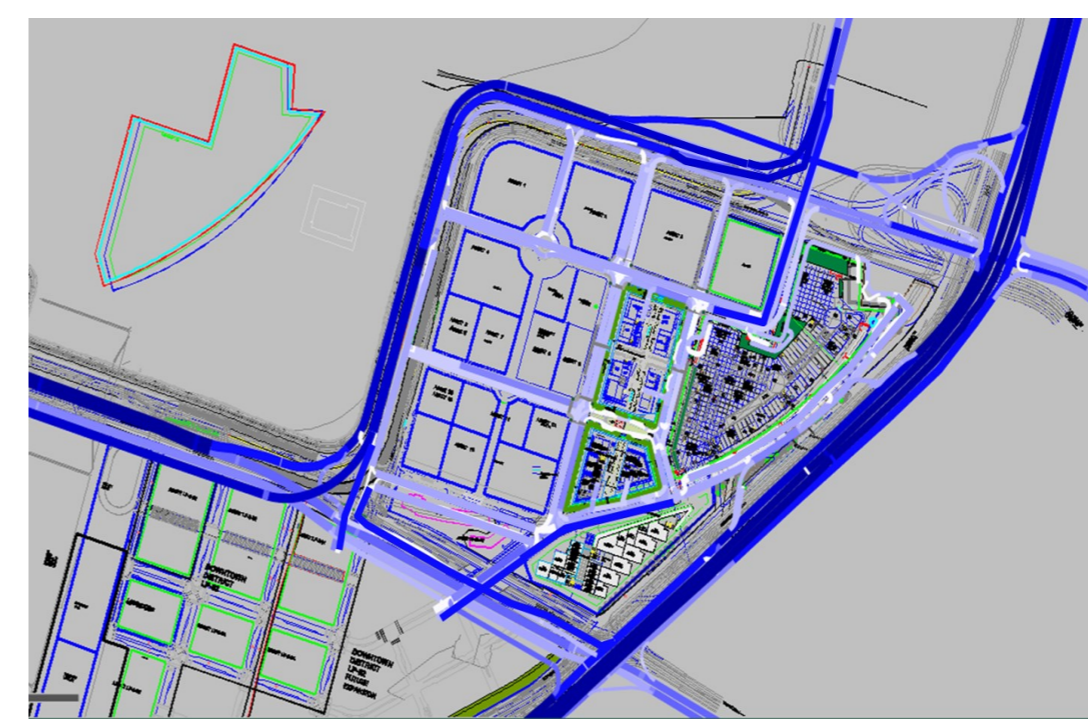
# Project Showcasing



**Redevelopment of New Delhi  
Railway Station**



**M3M 65<sup>th</sup> Avenue, Mixed use  
development | Gurgaon**



**Office and Retail Sites, Aerocity  
Delhi**



**Integrated Warehouse, Amazon,  
Bangalore | Gurgaon**



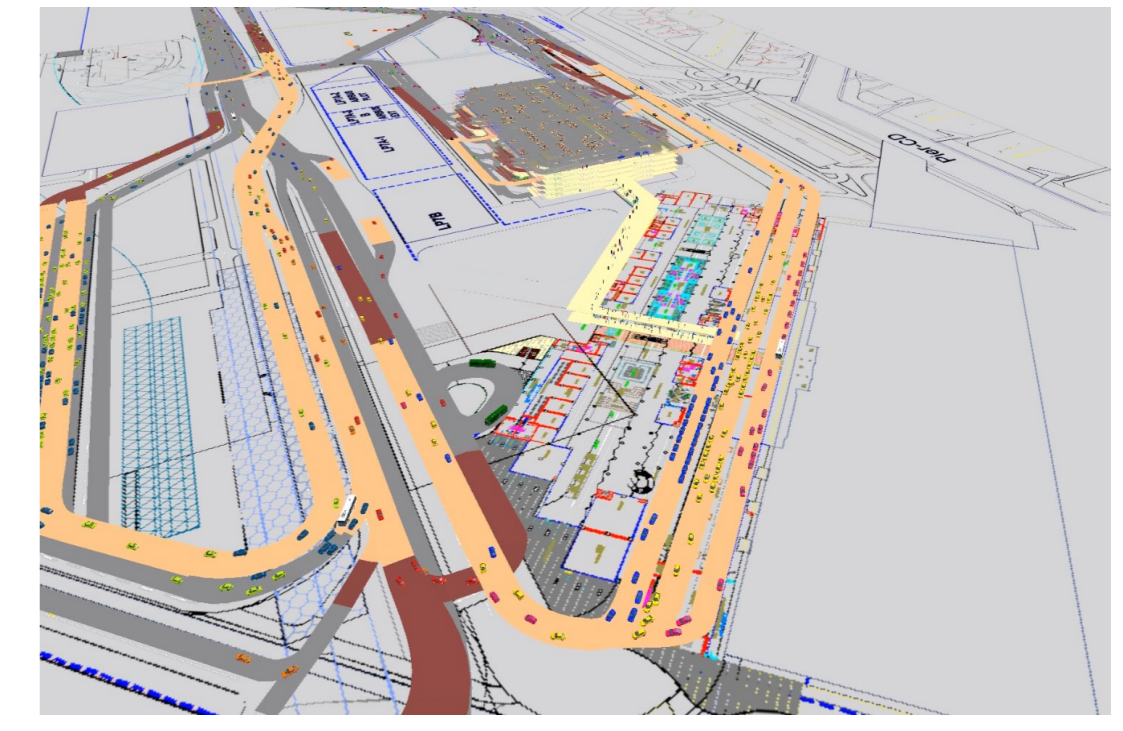
**Parking Management, Parking  
Guidance System | AMEX Campus  
Gurgaon**



**Redevelopment of Ahmedabad  
Railway Station**



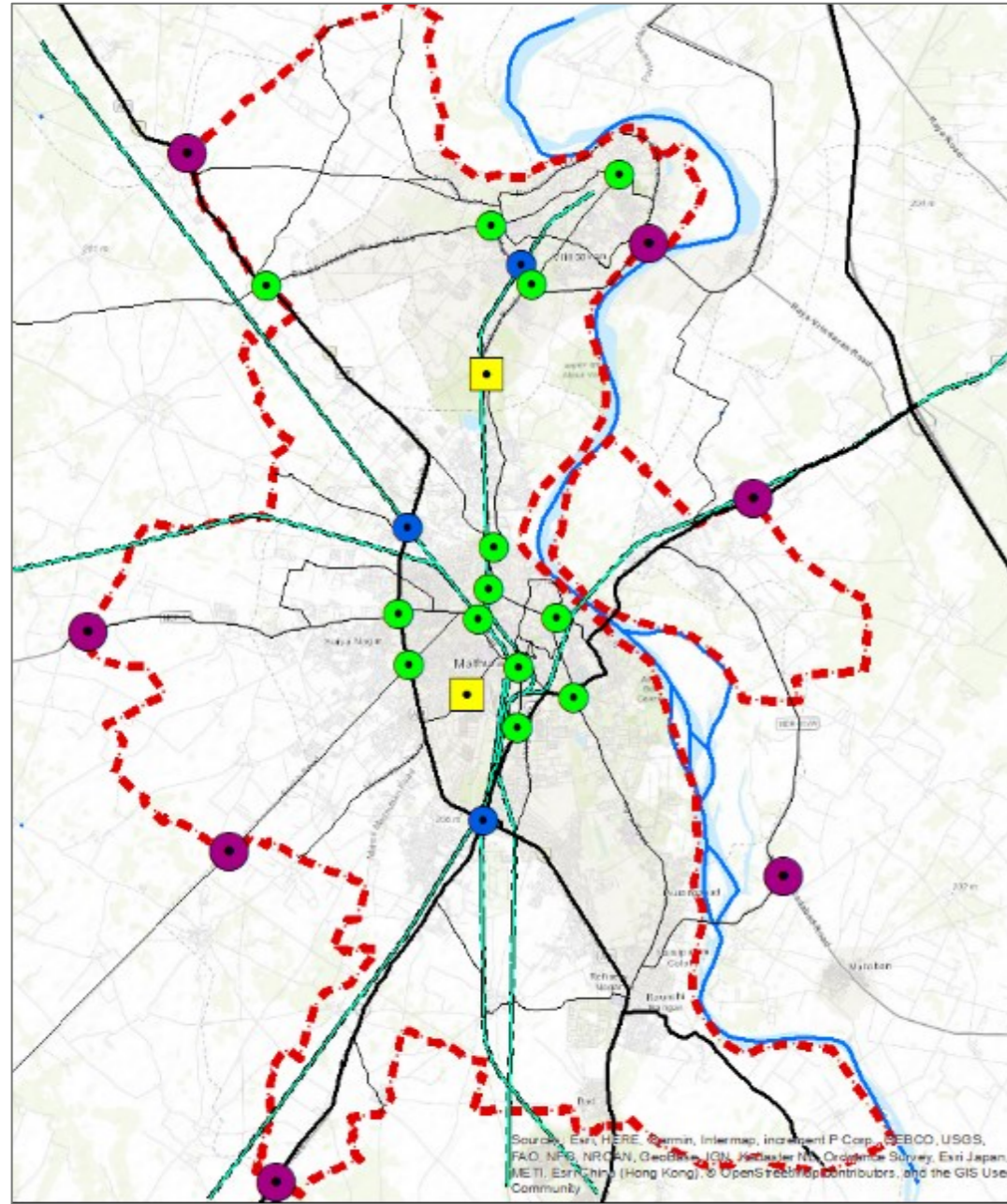
**IKEA Retail Stores – Hyderabad |  
Navi Mumbai | Bangalore**



**T3 and New T4 Forecourt and  
External Network, New Delhi**



# Project Showcasing



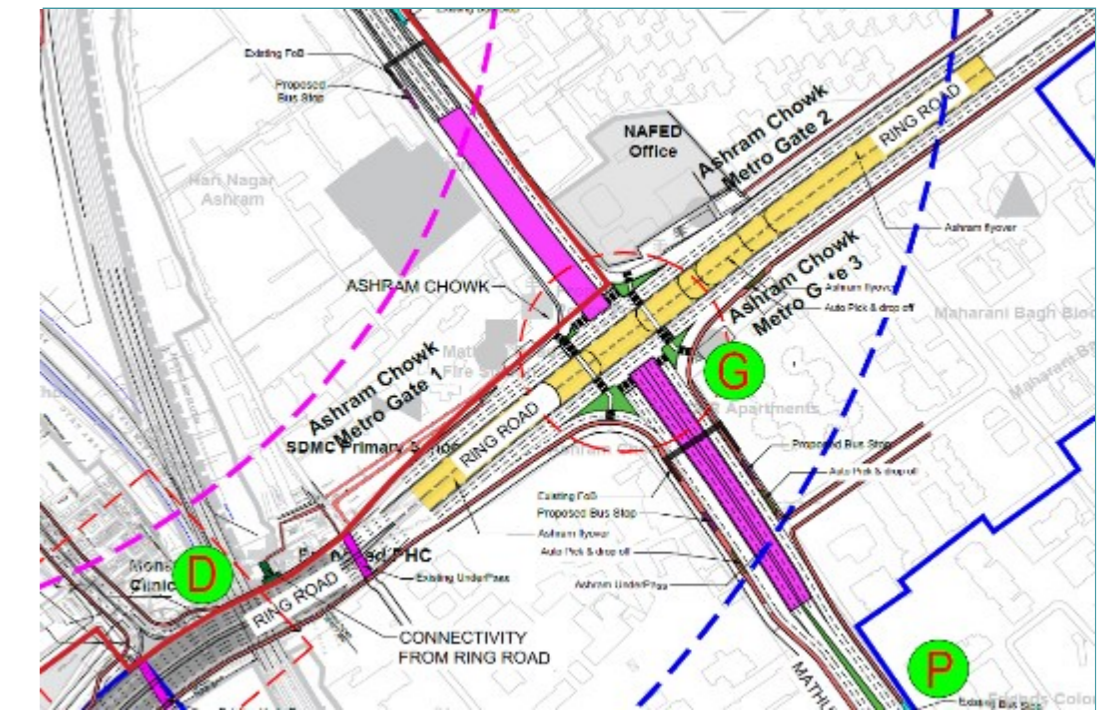
**Comprehensive Mobility Plan  
Mathura Vrindavan**



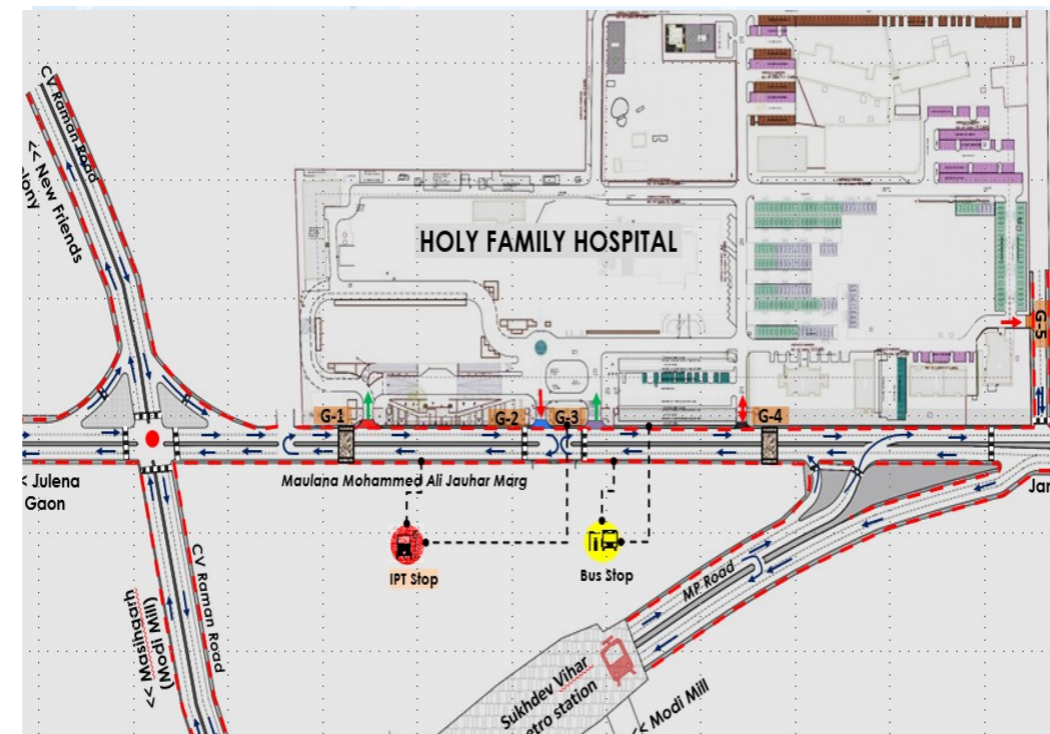
**Comprehensive Mobility Plan  
Indore**



**Traffic Study for AIIMS New Delhi**



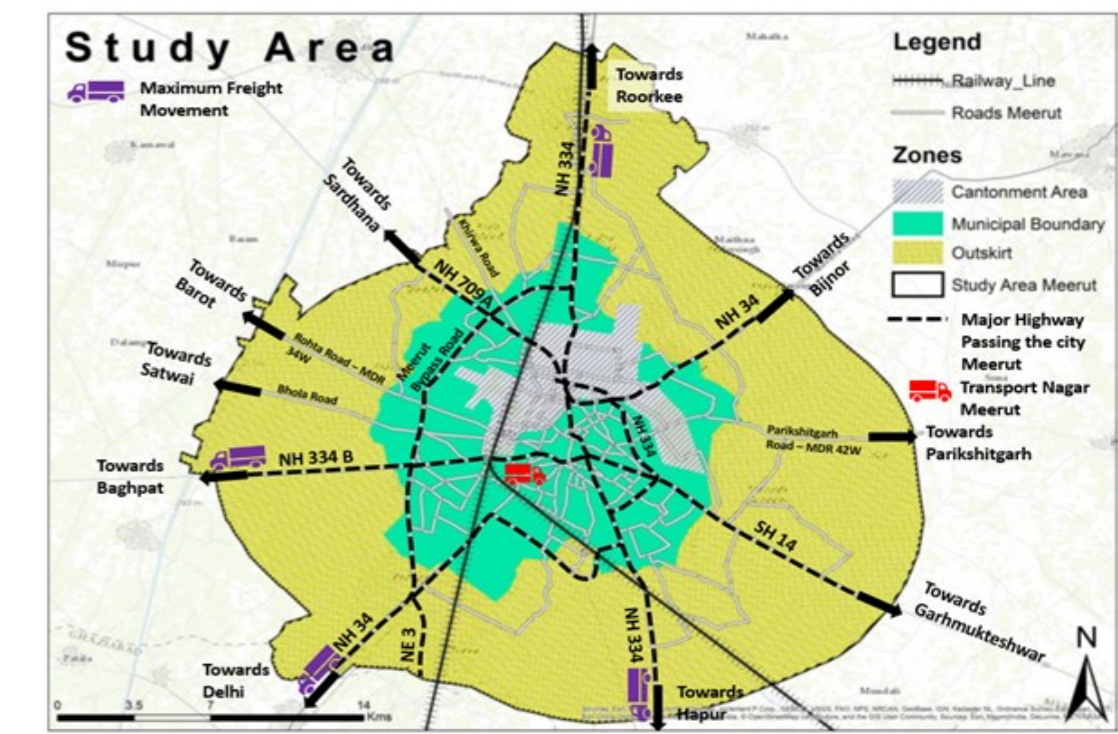
**IZP Traffic Study for RRTS  
Jangpura Station, Delhi**



**Traffic Study for Holy Family  
Hospital New Delhi**



**Walkability Plans for Various  
Metro Stations, Delhi**



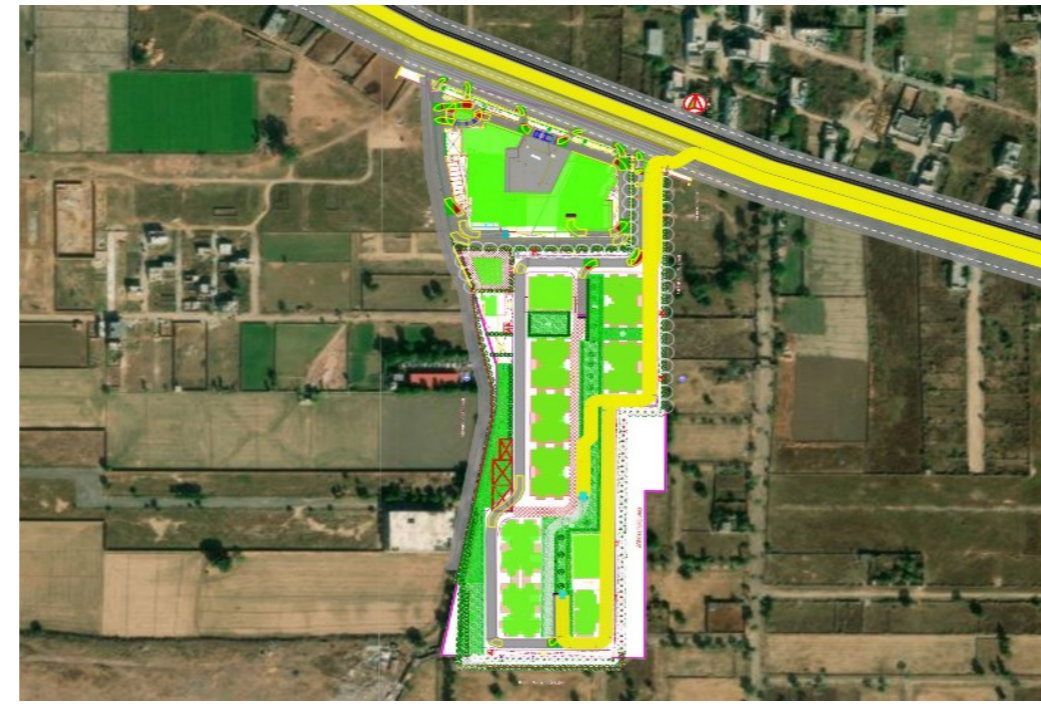
**City Logistics Plan for Meerut**



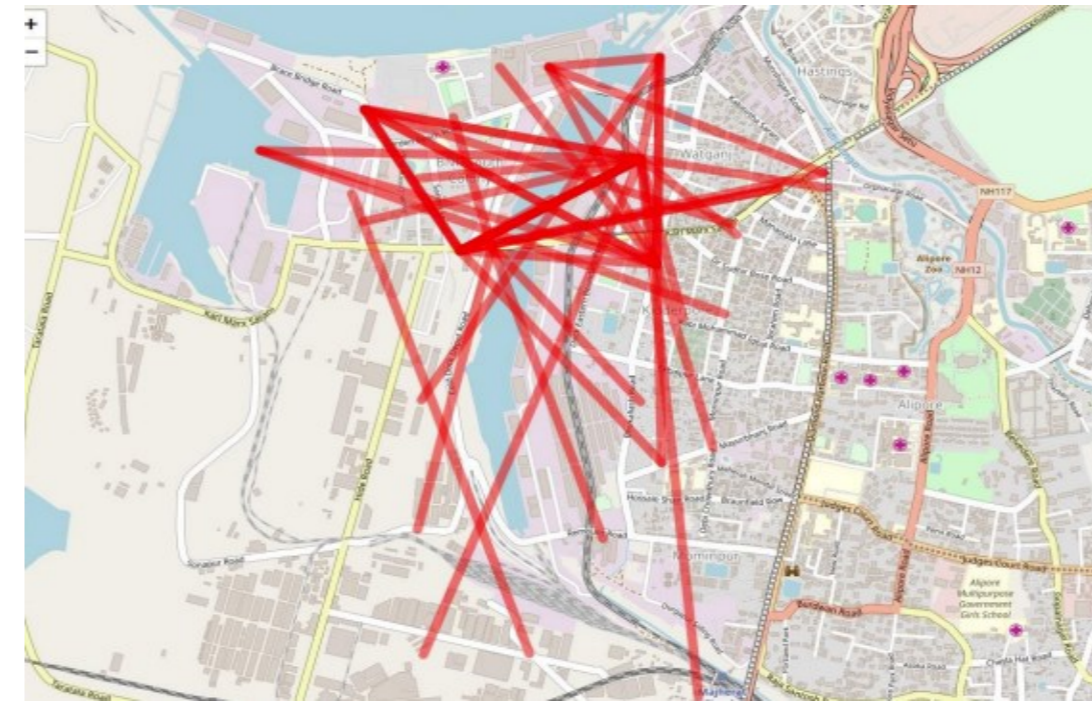
# Project Showcasing



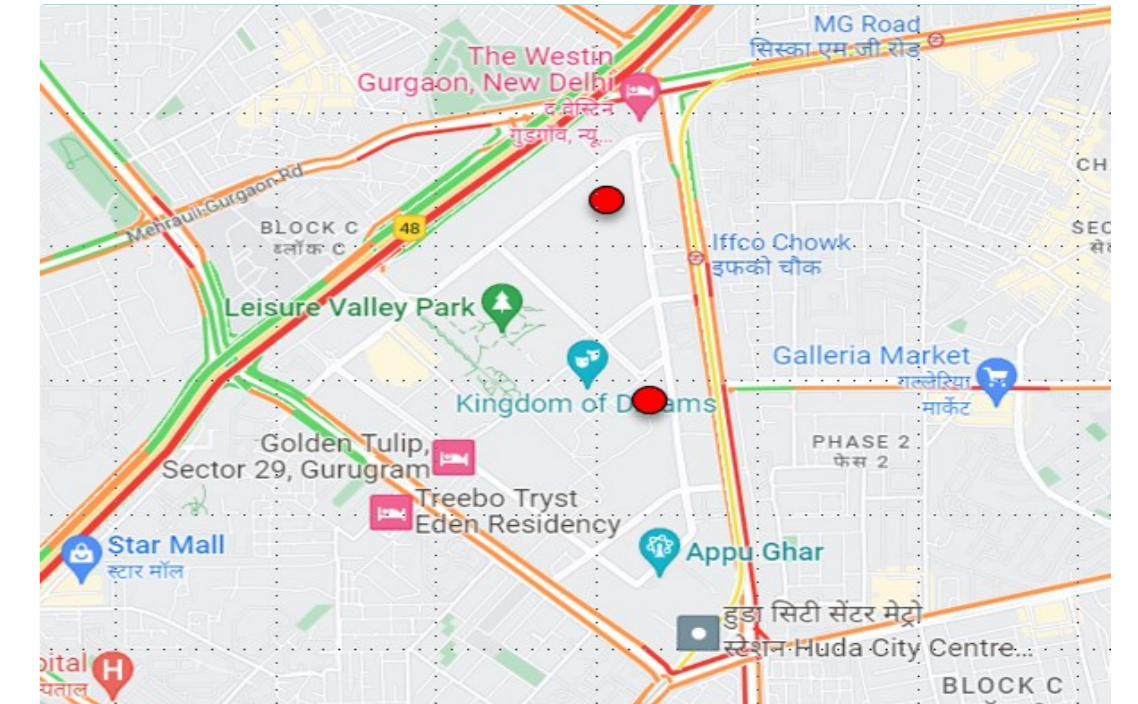
**Traffic Decongestion study for various CANDOR SEZ BROOKFIELD**



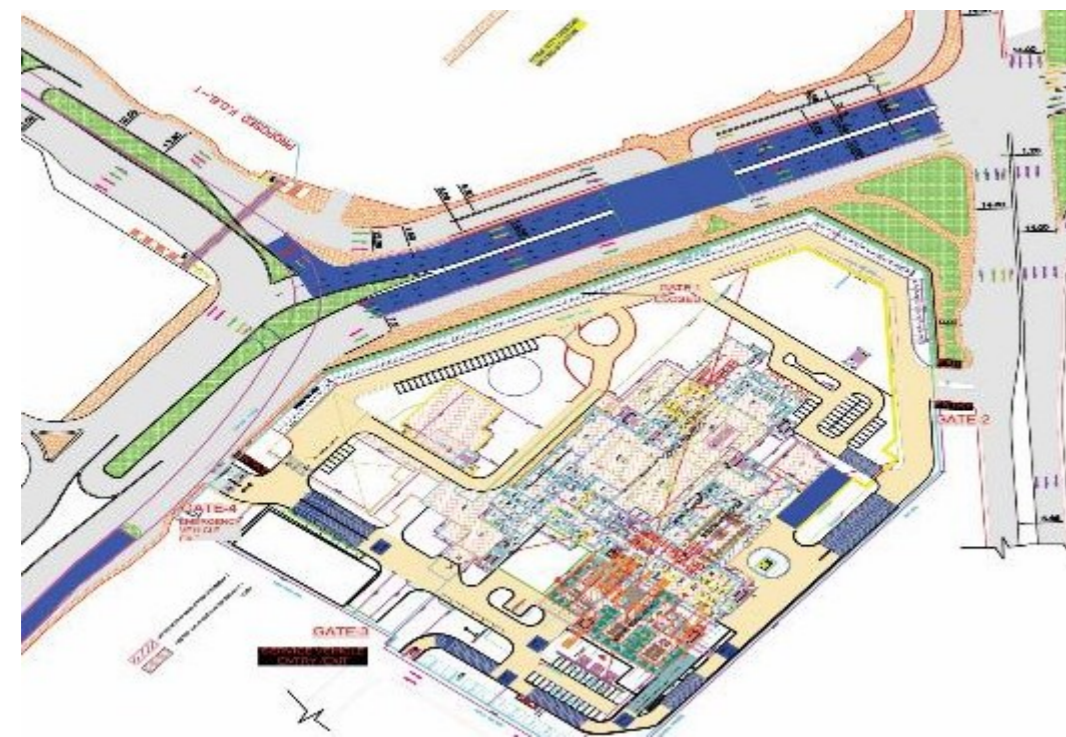
**Traffic Study Wilton MLU, Ludhiana**



**Detailed Simulation Study for Network around Kolkata Port**



**Traffic Study for various MLCP – Retail sites for Adani, Gurgaon**



**Traffic Decongestion Study for Fortis Gurgaon**



**Traffic – Peer Review, IKEA Noida**



**Traffic Study Omaxe Chowk Chandni Chowk**



**MLCP-Retail Sites – Smart City Jalandhar**



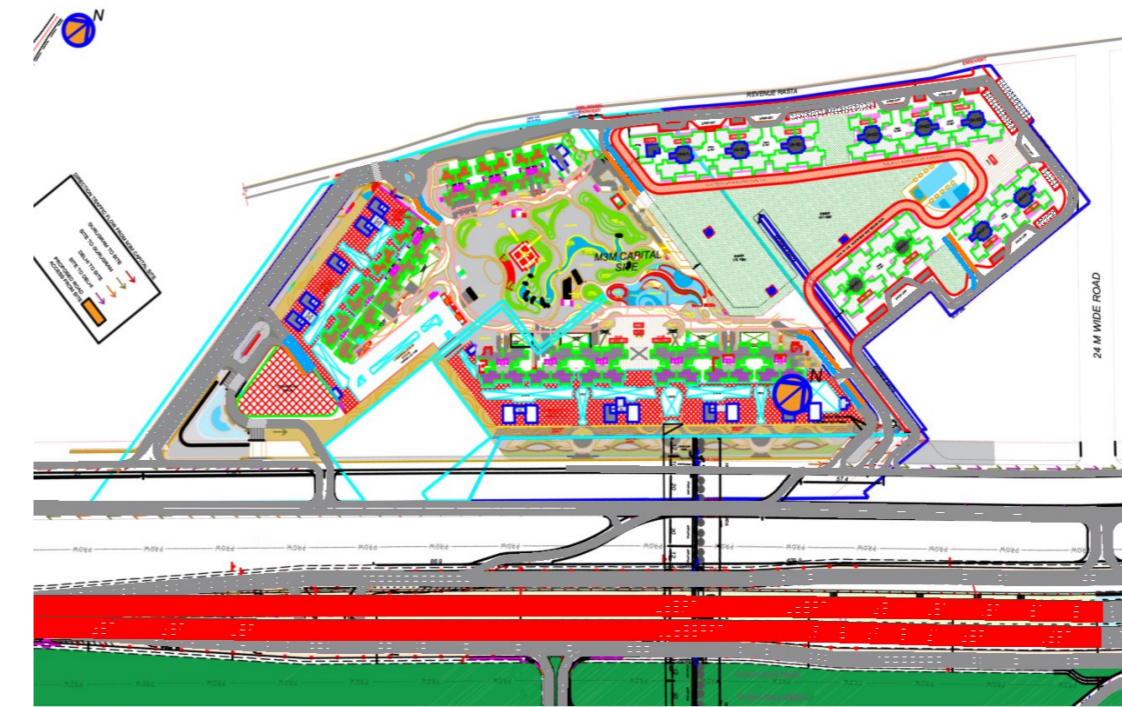
# Project Showcasing



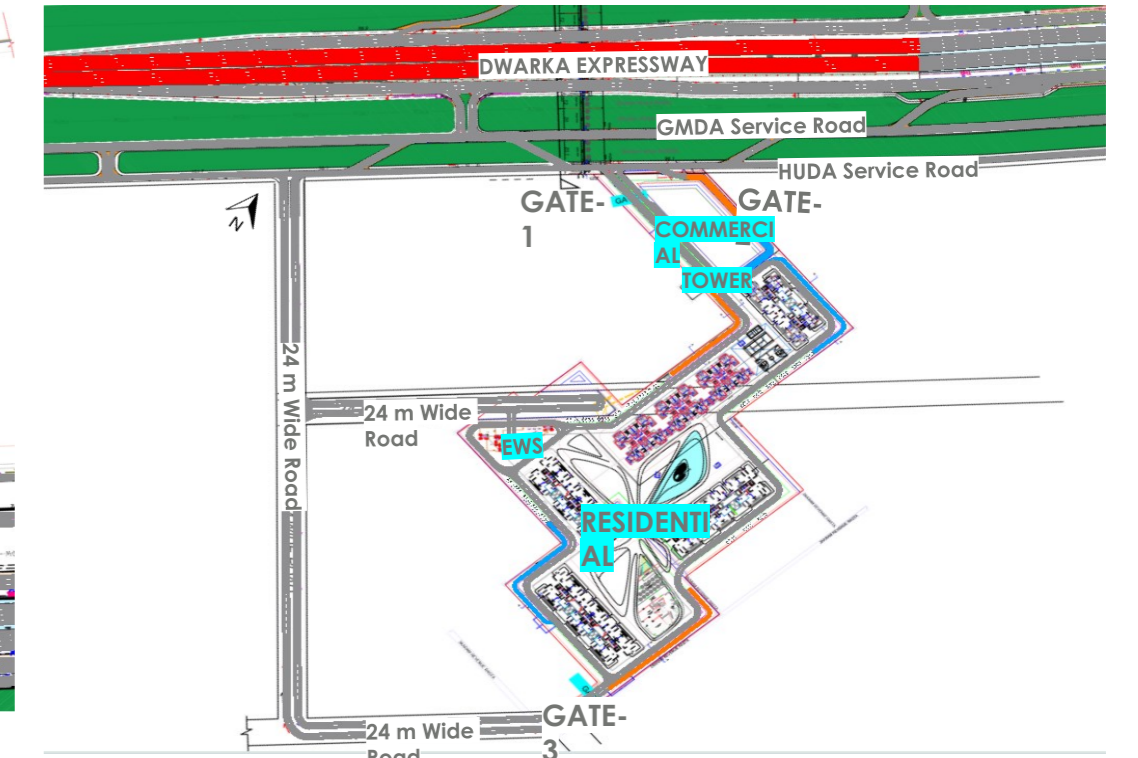
Traffic Study for World Mark sector 65 Gurugram



Traffic Study Max Estates, Sector 65 Gurugram



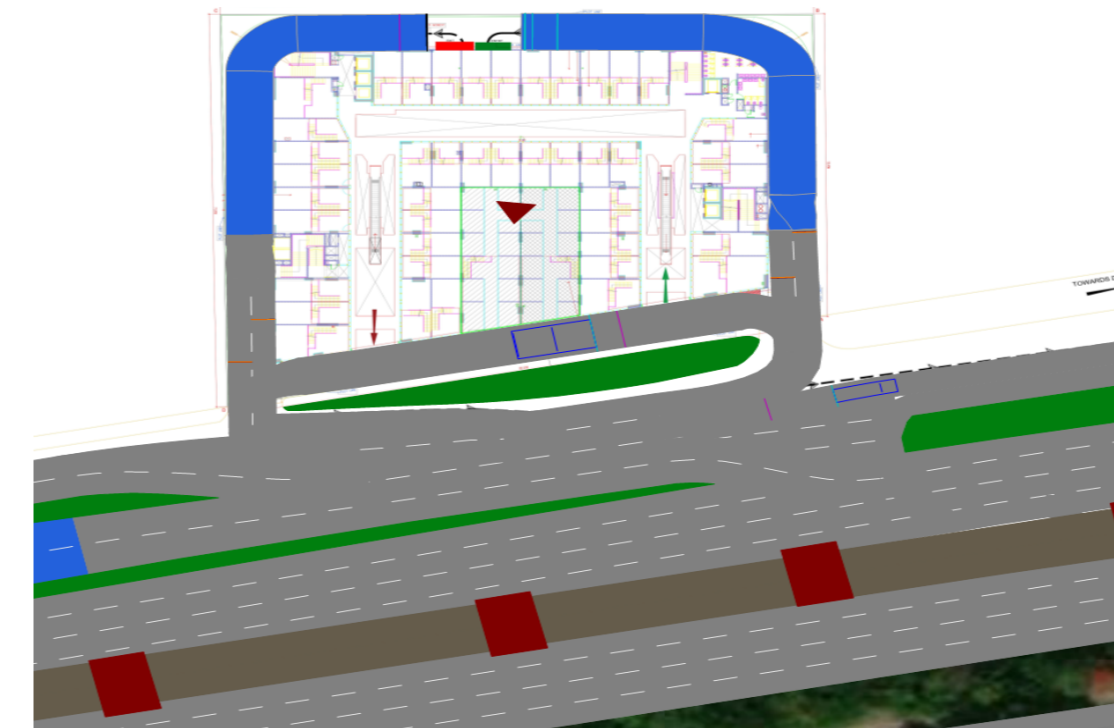
Traffic Study for M3M 113 Gurugram



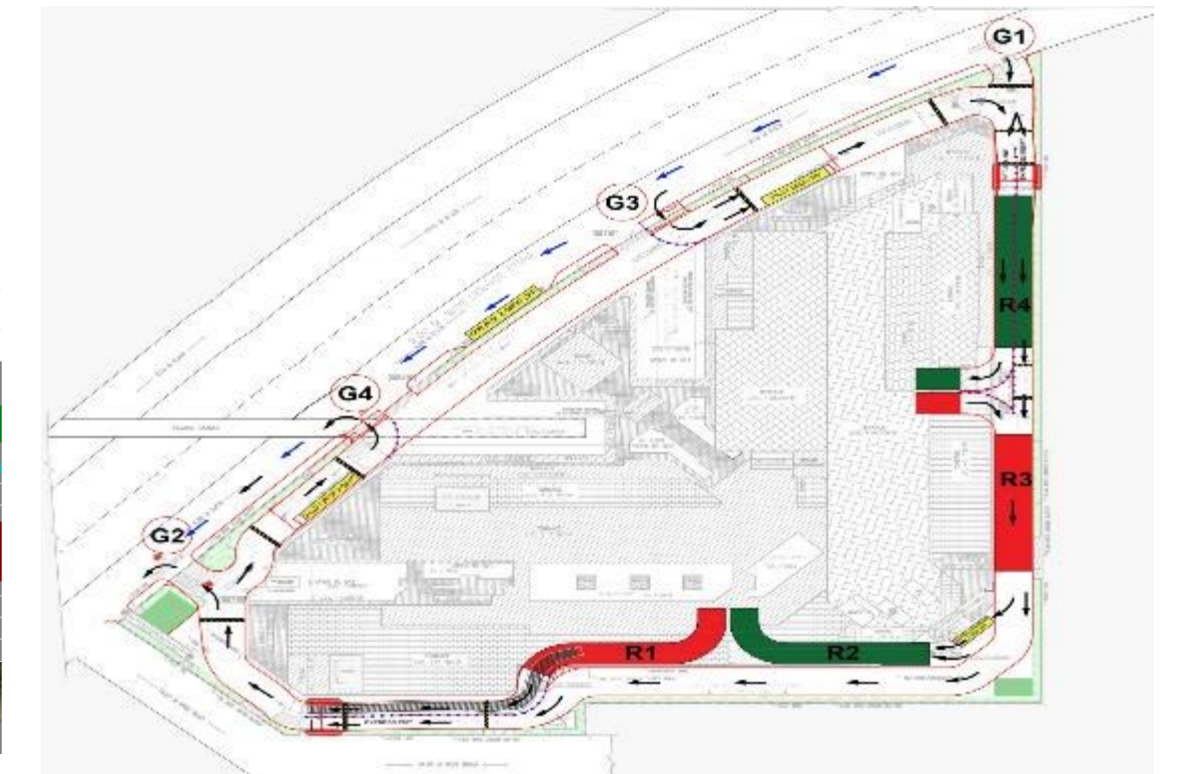
Traffic Study M3M 111 Gurugram



Traffic Study for Kiran Nadar Museum of Art, New Delhi



Traffic Study for M3M Jewel 25 Gurugram



Traffic Study for M3M Paragon Gurugram



3

# PROJECT LIST



# Road Infrastructure Projects

## **Pedestrian Micro Simulation Modelling for Proposed Metro Station in Chennai (Total 3 Station) Chennai Metro Project Package P2C3-01**

**Location:** Chennai

**Client:** AECOM Singapore PTE

**Study:** on-going

**Status:** Planning stage

## **Planning & Design of Multimodal Integration at Stations of Metro Line 2A & 7: Package 1**

**Location:** Mumbai

**Client:** RINA Consulting

**Study:** on-going

**Status:** Planning stage

## **Evaluation of traffic management options and proposed design changes for the ITPO area, New Delhi**

**Client:** VKS Infratech

**Main Client:** PWD, Delhi

**Study:** on-going

**Status:** Under construction



# Road Infrastructure Projects

## Traffic Study for Barapulla Phase-IV, New Delhi

**Client:** Delhi PWD

**Study:** Completed

**Status:** Under construction

## Traffic Study for Decongestion of SP Marg from Dhaula Kuan to 11 Murti

**Client:** NDMC

**Study:** Completed

**Status:** Under implementation

## Road Safety Audit for various Roads under North Roads PWD during 2019-20. (as per IRC: SP: 88 – 2010 for 20 road intersections under jurisdiction of North Zone).

**Year:** 2020-ongoing

**Location:** Delhi

**Client:** PWD, Gov. of Delhi

## Preparation of Detailed Walkability plan around 5 Metro stations, Delhi including Road Safety assessment INA, ITO, Lajpat Nagar, Hauz Khas, DU North & South Campus

**Location:** Delhi

**Client:** UTTIPEC, DDA

**Status:** on-going





# Road Infrastructure Projects

**Consultancy Services for Streetscaping / Redesigning of various PWD Roads under: -**

**(1) Shahdara Maintenance Circle, PWD, GNCTD**

**(2) North Maintenance Circle, PWD, GNCTD**

**Year:** Dec 20 - on-going

**Location:** Delhi, India

**Client:** NMP Design Pvt. Ltd. and PWD Delhi

**Consultancy Services for Streetscaping / Redesigning of various PWD Roads under: -**

**(1) West Zone, PWD, GNCTD**

**(2) North West Circle, PWD, GNCTD**

**Year:** Dec 20 - on-going

**Location:** Delhi, India

**Client:** Arcop and PWD Delhi

**Planning and Designing of Foot Over Bridge connecting Metro station for CANDOR IT/SEZ Noida**

**Location:** Noida

**Client:** Brookfield | CANDOR Tech Space

**Status:** on-going





# Planning Projects

## Preparation of Comprehensive Mobility (Traffic and Transportation) Plan for Mathura Vrindavan

**Year:** August 2022-ongoing

**Location:** Uttar Pradesh

**Client:** UMTC

## Preparation of a Comprehensive Logistic Plan for Meerut

**Year:** Oct 2022-ongoing

**Location:** Uttar Pradesh

**Client:** UMTC

## Traffic impact study and Travel Demand Forecast Model to quantify the Impact of MTHL Link

**Client:** WSP

**Year:** Oct 2022-ongoing

**Location:** Mumbai

## Preparation of Influence Zone Plan (IZP) for the TOD zone around Jangpura RRTS Station

**Location:** Delhi

**Client:** Tractebel

**Status:** Sep 2022 - ongoing





# Planning Projects

## Preparation of Comprehensive Mobility (Traffic and Transportation) Plan for Raebareli City

**Year:** Oct 2019-ongoing

**Location:** Raebareli, Uttar Pradesh

**Client:** ANB Consultants and Raebareli Development Authority (RDA), Uttar Pradesh

## Traffic Study for Tourism and Infrastructure Development Plan for Comprehensive Tourism Development of Ayodhya, Uttar Pradesh

**Year:** 2018 – Ongoing

**Location:** Ayodhya, Uttar Pradesh

**Client:** ANB Consultants

## Traffic impact study and Travel Demand Forecast Model and Data analysis for the proposed DGPU project area in Dakar, Senegal in PTV Visum

**Client:** ECOTRA UAE

**Year:** 2018-19

**Location:** Dakar, Senegal

## Regional Trade facilitation and transport sector review for the BBIN Countries (Bangladesh, Bhutan, India and Nepal)

**Year:** 2020-ongoing

**Location:** Delhi, BBIN region

**Client:** Ecorys/ World Bank





# Planning Projects

## Traffic Study for VARANASI Smart City Project

**Location:** Varanasi

**Client:** ANB Consultants

**Status:** On-going

## Traffic Study for NDMC Smart City – Connaught Place and New Delhi area

**Location:** New Delhi

**Client:** IPE Global / NDMC

**Status:** On-going

## Traffic study for proposed LRT in Mauritius (pre-bid study)

**Location:** Mauritius

**Main Client:** Shopoorji Pallonji

**Status:** Completed

## Preparation of strategic demand model for the MMR for proposed MMC corridor from Virar to Alibaug

**Location:** Mumbai

**Main Client:** EGIS

**Status:** Completed

## Traffic Consultancy Services for Agra Riverfront Development, Uttar Pradesh

**Location:** Agra, Uttar Pradesh

**Client:** ANB Consultants

**Status:** On going





# Planning Projects

## Traffic Study for proposed Multi Level Car Parking and Commercial complex

**Location:** Karol Bagh, Old Rajinder Nagar - Delhi

**Client:** North Delhi Municipal Corporation

**Status:** completed

## Traffic Study for proposed Integrated Multi Level Car Parking, Metro Station and Commercial complex

**Location:** Idgah, Delhi

**Client:** Delhi Metro Rail Corporation

**Status:** completed

## Traffic Management Study for Amazon Warehouse, Bangalore

**Location:** Bangalore

**Client:** Amazon

## Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services / Utilities for Chittoor Node South Cluster in Andhra Pradesh under VCIC Project

**Location:** Srikalahasti area in Chittoor district, Andhra Pradesh

**Client:** L&T Infrastructure Engineering Limited

**Status:** on going

## Consultancy Services for Preparation of Detailed Master Plan and Preliminary Design Report for Roads & Services/ Utilities for Jodhpur Pali Marwar Industrial Area in Rajasthan under Delhi Mumbai Industrial Corridor

**Location:** Rajasthan

**Client:** DHV

**Status:** completed





# Planning Projects

## Traffic Study for proposed Multi Level Car Parking and Commercial complex for 10 sites in Delhi

**Location:** Various Locations

**Client:** North Delhi Municipal Corporation

**Status:** ongoing

## Traffic Study for proposed Integrated Multi Level Car Parking, Commercial complex for 2 parking sites in Jalandhar

**Location:** Jalandhar Punjab

**Client:** Darashaw

**Status:** ongoing

## Preparation of Vision, Implémentation strategy and Integrated infrastructure plan for Kanpur and Moradabad

**Location:** Kanpur and Moradabad

**Client:** Tractebel

**Status:** ongoing

## Preparation of Influence Zone Plan (IZP) for the TOD zone around New Delhi Railway Station, Delhi

**Location:** Delhi

**Client:** Tractebel

**Status:** ongoing





# IT/ IT-SEZ Projects

## Traffic Study for AMEX Office, Gurgaon

**Location:** Gurgaon

**Client:** DLF

**Study :** Completed

## Parking Management | Parking Guidance System | Signage System, AMEX

**Location:** Gurgaon

**Client:** American Express

**Study :** On going

## Traffic Decongestion Study for Worldmark Sector 65 Gurgaon

**Location:** Gurgaon

**Client:** Brookfield | Bharti Land Ltd

**Status:** On-going

## Traffic study Peer Review for the IKEA retail, Hotel, and Office

**Location:** Noida

**Client:** IKEA

**Status:** on-going

## Traffic study for MAX Estates IT Development

**Location:** Sec 65 Gurgaon

**Client:** Max Estates

**Status:** on-going





# IT/ IT-SEZ Projects

## Traffic Decongestion Study for CANDOR IT Park, Kurla West Mumbai

**Location:** Mumbai

**Client:** Brookfield | Equinox Business Park

**Status:** Completed

## Traffic Decongestion Study for CANDOR IT Park and IT/SEZ, Hiranandani Powai Mumbai

**Location:** Mumbai

**Client:** Brookfield | CANDOR Tech Space

**Status:** On-going

## Traffic decongestion study for the CANDOR IT/SEZ

**Location:** Kolkata (Rajarhat) | Noida | Gurgaon

**Client:** Brookfield | CANDOR Tech Space

**Status:** on-going

## Traffic decongestion study for the CANDOR IT/SEZ

**Location:** Noida | Gurgaon

**Client:** Brookfield | CANDOR Tech Space

**Status:** on-going



# IT/ IT-SEZ Projects

## Traffic Study for OBP Noida

**Location:** Noida

**Client:** Oxygen Business Park

**Status:** Completed

## Traffic Decongestion Study for OBP Noida (at Post operations level)

**Location:** Noida

**Client:** Oxygen Business Park

**Status:** Completed

## Traffic study for the NSL IT/SEZ

**Location:** Noida

**Client:** NSL

**Status:** completed

## Traffic decongestion study for the NSL IT/SEZ

**Location:** Hyderabad

**Client:** NSL

**Status:** Completed





## Traffic Study for Godrej Housing, Ashok Vihar Delhi

**Location:** Delhi

**Main Client:** Godrej

**Study :** Ongoing

## Traffic Due Diligence Study for – IKEA Retail Stores

1. IKEA Hyderabad
2. IKEA Gurgaon
3. IKEA Navi Mumbai
4. IKEA Bangalore
5. *And other locations...*

**Location:** various locations in India

**Client:** IKEA India

**Study :** On-going / Completed

**Status:** under construction

## Detailed Traffic Simulation study for IKEA Retail Stores

1. IKEA Hyderabad
2. IKEA Navi Mumbai
3. IKEA Bangalore
4. IKEA Gurgaon

**Location:** Various Locations

**Main Client:** IKEA India

**Study :** completed



# Mixed Landuse project / Commercial Projects /Housing Projects/Hospital Projects

## Detailed Traffic Study for M3M Metro Sec 111 (Residential + Commercial) Gurgaon

**Location:** Gurgaon

**Client:** M3M

**Study :** On Going

## Detailed Traffic Study for M3M Capital Sec 113 (Residential + Commercial) Gurgaon

**Location:** Gurgaon

**Client:** M3M

**Study :** On Going

## Detailed Traffic Study for M3M Route 65 (Commercial) Gurgaon

**Location:** Gurgaon

**Client:** M3M

**Study :** On Going

## Detailed Traffic Study for M3M Paragon Sec 57 (Retail + Residential) Gurgaon

**Location:** Gurgaon

**Client:** M3M

**Study :** On Going

## Detailed Traffic Study for M3M Jewel (Commercial) Gurgaon

**Location:** Gurgaon

**Client:** M3M

**Study :** On Going





# Mixed Landuse project / Commercial Projects /Housing Projects/Hospital Projects

## Detailed Traffic Study for Redevelopment of AIIMS Hospital Campus, Delhi

**Location:** Delhi

**Client:** Arcop

**Study :** On Going

**Status:** Planning stage

## MoEF Traffic Study for re-development of Holy Family Hospital, Delhi

**Location:** Delhi

**Client:** Holy Family Hospital

**Study :** Completed

**Status:** -

## Detailed Traffic Study for proposed Retail and Office Developments in Delhi Aerocity, Bharti Land Limited, Delhi

**Location:** Delhi

**Client:** Bharti LL

**Study :** Ongoing (*total 4 projects*)

**Status:** Construction stage

## Detailed Traffic and parking management plan for proposed plotted development, Smart World Sec 89 Gurgaon, Haryana

**Location:** Gurgaon

**Client:** Smart World

**Study :** ongoing

**Status:** Planning stage



# Mixed Landuse project / Commercial Projects /Housing Projects/Hospital Projects

## Traffic Impact Assessment of the proposed Zydus Corporate Office, Ahmedabad, India

**Location:** Ahmedabad, Gujarat

**Main Client:** Cadila Healthcare

**Study :** Completed

**Status:** Under construction

## Parking Demand Estimation and Traffic Management for Taj West Gate, Taj Mahal, Agra

**Location:** Agra, Uttar Pradesh

**Client:** ANB Consultants

**Study :** Completed

**Status:** Planning stage

## Traffic Study for MoEF Clearance for Proposed HDFC training and residential Complex in Mohali, Punjab

**Location:** Mohali

**Client:** HDFC Bank

**Study :** Completed

**Status:** Under construction

## Traffic and Simulation Study for MLCP cum Retail complex, Gandhi Maidan Chandni Chowk

**Location:** Delhi

**Client:** Omaxe

**Study :** On-going

**Status:** construction stage

## Project: Traffic Impact Assessment of proposed township in Lucknow, UP, India

**Location:** Lucknow, India

**Client:** REPL Developers

**Study :** Completed





# Mixed Landuse project / Commercial Projects /Housing Projects/Hospital Projects

## Traffic management and Improvement Plan for TATA Primanti, Gurgaon

**Location:** Gurgaon, Haryana

**Main Client:** TATA

**Study :** completed

**Status:** Operational

## Traffic Study for MGF Centre, Sec 61 Gurgaon

**Location:** Gurgaon Haryana

**Client:** MGF

**Study :** On-going

**Status:** Planning stage

## Traffic Study for Paytm Campus, Noida

**Location:** Noida, UP

**Client:** RSP

**Study :** On-going

**Status:** Planning stage

## Traffic study for MoEF clearance for Qutab Hotel (Eden Park Hotels)

**Location:** Delhi

**Client:** Eden Park Hotels

**Study :** completed

**Status:** Construction stage

## Traffic study for for Novotel Hotel, Motia Khan Delhi

**Location:** Delhi

**Client:** Gopal Group

**Study :** completed

**Status:** Construction stage



# Mixed Landuse project / Commercial Projects /Housing Projects/Hospital Projects

## Traffic Study and simulation AIIMS campus at Ayurvigyan Nagar and West Campus AIIMS, Delhi

**Location:** Delhi

**Main Client:** NBCC

**Study:** Completed

**Status:** Planning stage

## Traffic Study for proposed CPWD housing at Tyagraj, New Delhi

**Location:** Delhi

**Main Client:** CPWD

**Study :** Completed

**Status:** Planning stage

## Traffic Consultancy Services for Commercial and Residential Projects for Advanced India Projects Ltd. (AIPL)

1. AIPL Business Club
2. AIPL Autograph
3. AIPL Joy Street
4. AIPL The Peaceful Homes

**Location:** Gurugram, Haryana

**Main Client:** AIPL

**Study :** On Going

**Status:** Planning stage /Under construction stage

## Traffic study for International Trade Tower, Holiday Inn, India Trade Tower, The Lake and Beacon Street Mullanpur

**Location:** Chandigarh

**Main Client:** Omaxe

**Study:** Completed

**Status:** Construction





## Traffic Study for MoEF clearance – IKEA Retail store Bangalore

**Location:** Bangalore

**Client:** IKEA

**Study :** Completed

**Status:** Under construction

## Traffic Study for MoEF Clearance Proposed Group Housing in Gurgaon

**Location:** Gurgaon

**Client:** Orris Infra

**Study :** Completed

**Status:** Planning stage

## Traffic Study and MoEF Clearance Proposed 1400 bed Hospital, Burari Delhi

**Location:** Delhi

**Client:** Nirankari Mandal

**Study :** Completed

**Status:** Planning stage



## Traffic study for MoEF Clearance M3M Projects

1. Levish
2. RS Infratructure
3. Mangalam
4. Roshni
5. Kenwood
6. Mask Buoldon
7. Metro Infocity
8. Royal Multiplex
9. Starcity
10. Sun Infraestate
11. Union Buildmart
12. Vibrant
13. Consolidate
14. Martial
15. Prompt

**Location: Gurgaon**

**Client: M3M**

**Study :** On-going / completed

**Status:** Planning stage





# Mixed Landuse project / Commercial Projects /Housing Projects/Hospital Projects

## Traffic and Parking management plan for proposed CNG Crematorium, Gurgaon Haryana

**Location:** Gurgaon

**Client:** DLF

**Study :** On Going

**Status:** Planning stage

## Integrated Master planning, traffic and parking management and preparation of DPR for the redevelopment of parking area for JSW, Bangalore

**Location:** Bangalore

**Client:** Jindal Steel Works

**Study :** Ongoing

**Status:** under construction

## Traffic Study and MOEF Clearance for Proposed MAX Hospital Sec 56 Gurgaon

**Location:** Gurgaon

**Client:** Arcop

**Study :** Completed

**Status:** Planning stage

## Detailed Traffic Study for Proposed MAX Patparganj Delhi

**Location:** Gurgaon

**Client:** CDA Architects

**Study :** On-going

**Status:** Planning stage



**Evaluation of multi modal integration plan for upcoming metro station in Nagpur using micro simulation with PTV Vissim and PTV Viswalk**

**Location:** Nagpur

**Client:** Worxspace

**Status:** On-going

**Pedestrian Simulation Modelling the Metro Station for analysing passenger level of service, validation of station design, queuing and travel times (Completed Chennai, Kolkata, Mumbai Stations) using PTV Viswalk**

**Location:** Various locations

**Client:** Various Clients

**Status:** Completed

**Traffic Impact Assessment Study and Evaluation of Proposed Plan using Micro Simulation for upcoming Mobility Hub, Kochi**

**Location:** Kochi, Kerala

**Client:** IPE Global

**Main Client:** Kochi Metro Rail Limited

**Status:** Completed





# Transport Hub

**Evaluation of multi modal integration plan for upcoming metro station in Nagpur using micro simulation with PTV Vissim and PTV Viswalk**

**Location:** Nagpur

**Client:** Worxspace

**Status:** On-going

**Traffic Impact Assessment Using Simulation Modelling for the Bhubaneswar Town Centre Project, with the Bhubaneswar Railway Station and Newly Proposed Developments in the Study Area**

**Client:** Jurong Consultants India Pvt. Ltd. (A Surbana Jurong Company) funded by Bhubaneswar Railway Station Authority

**Year:** 2018-19

**Location:** Bhubaneswar Main

**Traffic impact assessment including Multi Modal Integration planning for the redevelopment of the Ahmedabad Railway Station**

**Client:** Tractebel funded by RLDA

**Year:** 2021

**Location:** Ahmadabad

**Status:** On-going

**Traffic impact assessment including Multi Modal Integration planning for the redevelopment of the New Delhi Railway Station**

**Client:** Tractebel funded by RLDA

**Year:** 2020

**Location:** Ahmadabad

**Status:** On-going



# Pedestrian Simulations

## 1. Evaluation of multi modal integration plan for upcoming metro station and validation of station sizing and evacuation using micro simulation with PTV Vissim and PTV Viswalk

Number of stations : 2

Station Names : Sitabuldi Station and Zero Mile Station

Location: Nagpur

Client: Worxspace, Delhi and NMCRCL

Status: Completed

## 2. Pedestrian Simulation Modelling the Metro Station for analysing passenger level of service, validation of station design, queuing and travel times (Completed Chennai, Kolkata, Mumbai Stations) using PTV Viswalk for upcoming metro station as part Mumbai Metro Line 3

Number of stations : 9

Station Names : BKC Station, Dharavi Station, Santacruz station, Vidyanagri station, SEEPZ Station, MIDC Station, Marol Naka Station, CSIA Domestic Metro Station and Shitladevi station.

Location: Mumbai

Client: Indus Consultrans, Frischmann Prabhu and GMD Consultants

Status: Completed

## 3. Traffic Impact Assessment Study and Evaluation of Proposed Plan using Micro Simulation for upcoming Mobility Hub, Kochi

Location: Kochi, Kerala

Client: IPE Global

Main Client: Kochi Metro Rail Limited

Status: Completed

## 4. Traffic study and Simulation for Bhubaneswar ISBT

Location: Bhubaneswar

Client: SB Jurong

Status: On-going



# Transport Hub

## 5. Traffic study and simulation for Sabarmati Railway station

Location: Sabarmati, Ahmedabad

Client: Fountainhead

Status: Completed

## 6. Traffic simulation for assessment of multi modal integration plan for East Andheri and Sundernagar Metro Station In Mumbai

Location : Mumbai, India

Client : Vastunidhi

Main Client : MMRDA, Mumbai

Status: Completed

## 7. Traffic study and simulation for Madgaon Railway Station

Location : Madgaon, Goa

Client : Vastunidhi

Status: Completed

## 8. Independent Consultant for the proposed Alambagh Bus Terminal Cum Shopping Complex on PPP basis, Lucknow, India

Location: Lucknow, Uttar Pradesh

Client: 42 mm Architects

Main Client: UPSRTC & Shalimar Developers

Status: Completed

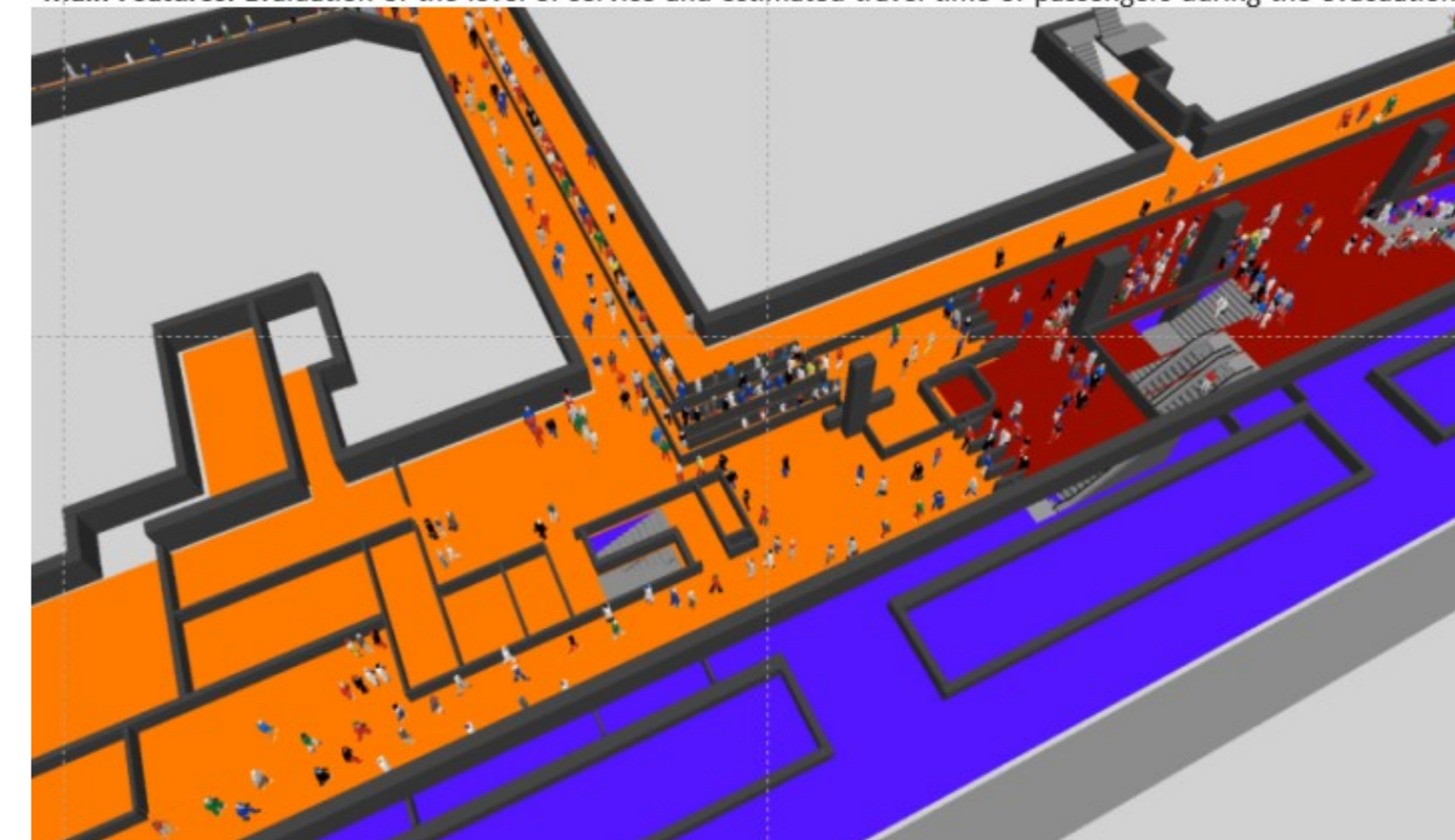
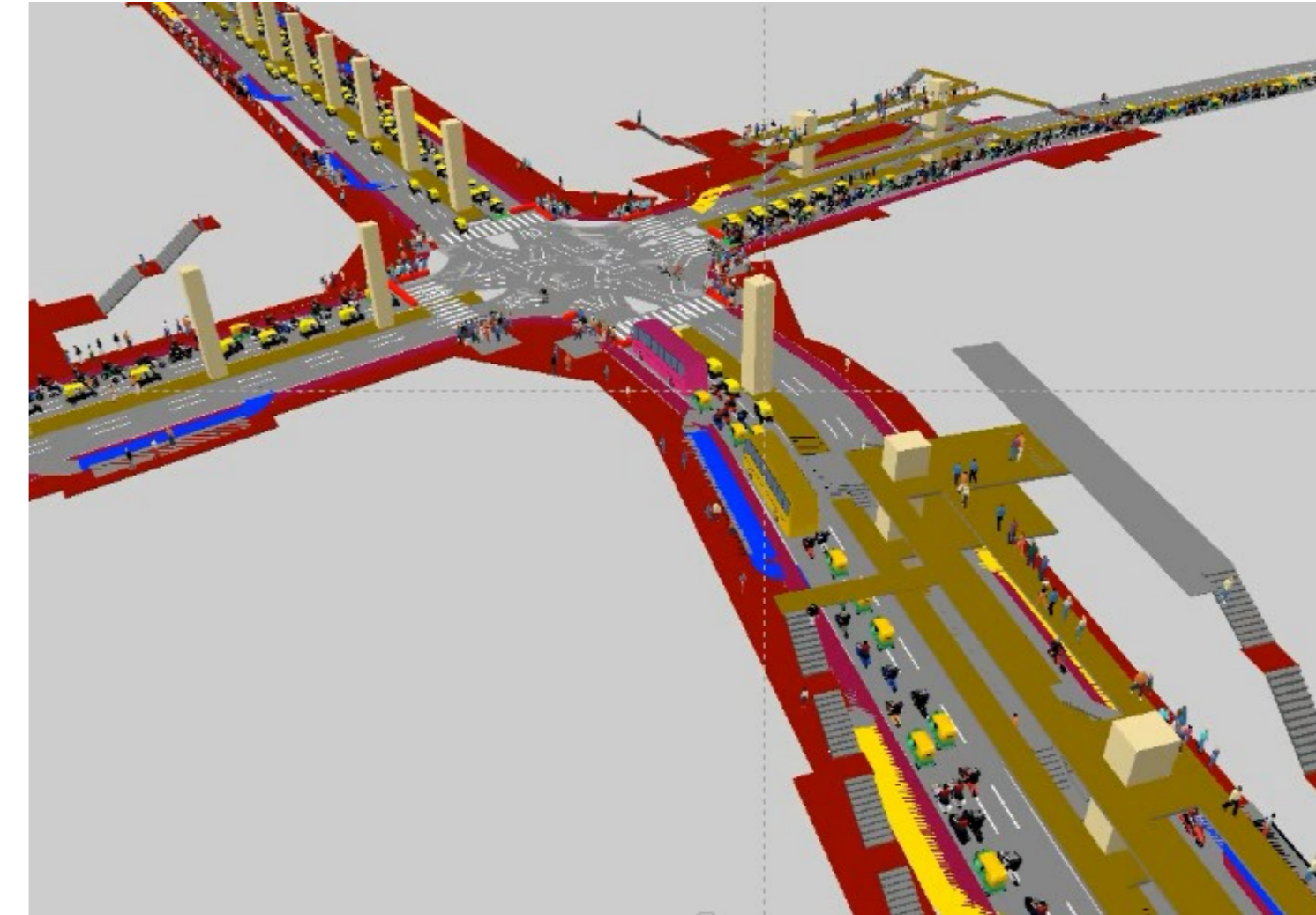
## 6. Pedestrian simulation for upcoming RRTS Stations – Total 6 stations

Location: Delhi

Client: Frischmann Prabhu and Fountainhead

Main Client: NCRCTC

Status: Completed



# Highway Toll Plaza Projects

## Preparation DPR for road planning and design of beautification of roads from Spituk Monastery to Main Market Leh

**Location:** Leh

**Client:** Arcop

**Status:** Ongoing

## Optimizing 2- toll plaza operations using micro simulation for Beawer Pali Pindwari section

**Location :** Rajasthan

**Client:** L&T IDPL, Chennai

**Status:** On-going

## Optimizing toll plaza operations using micro simulation for Sanand Toll plaza and Krishnagiri toll plaza

**Client:** L&T IDPL, Chennai

**Status:** On-going

## Estimation of Traffic diversion and Traffic Demand Estimation for the preparation of DPR for Champa – Korba – Chhuri – Katghora of NH-149B in the state of Chattisgarh

**Location:** Chattisgarh

**Client:** Casta Engineers

**Status:** Completed





# International Projects

## Traffic Simulation Modelling for Crosstown area, Auckland, New Zealand using PTV Vissum

**Client:** MWH Global, Pune

**Main Features:** Calibration and validation of the base model, and evaluation of various scenarios with conversion of a general traffic lane to T<sub>2</sub>/T<sub>3</sub> lane. All SCATS signal system were added using VAP

## Waitara to Bell Strategic Strategic Transport Model, New Zealand

**Client:** MWH Global

**Main Features:** Development, Calibration and Validation for the Base year model and preparation of the model for testing of scenarios for horizon year testing



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