

Driving Innovation to Infrastructure

Highway System

- :: Advance Traffic Management Systems
- :: Advance Tolling Systems
- :: Check Post Management and WIM Systems

Urban System

- :: Parking Management & Guidance Systems
- :: Red Light Enforcement System
- :: Electronic Number Plate

CORPORATE PROFILE

Our Endeavours & Offerings

Metro Infrasy's research and development brings innovation and latest developments in the field of advance toll collection, traffic management as well as parking systems and has attained a strong market position in the following segments:

Advanced Tolling Systems

Metro Infrasy's Offers state of the art Toll Collection Systems build on platform of high reliability demonstrated through the Service Level Agreements.

Metro Infrasy's along with its Joint Venture partner M/s Kapsch Trafficom AG of Austria has implement the largest toll plaza in India and 4th largest in the world. This project handles more than 150,000 vehicles a day through its 59 toll lanes with more than 40 % of the traffic on E- tags based on Microwave technology.

Metro Infrasy's offers advance Vehicle Identification technology based on non intrusive Infrared technology and payment systems based on ISO 18000-6C RFID Technology



Check Post & Weigh-in-Motion (WIM):

Metro Infrasy's systems are integrated for working together with a range of WIM systems from Leading OEMs for Slow speed WIM as well as High Speed WIM.

Parking Management & Guidance System:

Metro Infrasy's started its road of success by one of the largest parking systems and Parking guidance system in India at NDMC where the office of Nineteenth common wealth games is situated. The parking Systems having entry and exit control along with License Plate Recognition Systems for Delhi's largest amusement park in Rohini, New Delhi as well as Multilevel car parking Systems for Oberoi group at Mumbai.

Metro Infrasy's provides Parking guidance System with its partner Parkhelp.

Highway Traffic Management System:

Metro Infrasy's provides Highway Traffic Management Systems with integrated Variable Message Sign Systems, CCTV with Incident management systems, Emergency Call Boxes, Traffic Control Stations, Metrological stations and Network management Systems with Central Control Stations.

Red Light Enforcement System:-

Metro Infrasy's Provides the Red light enforcement system for violation control on Traffic Lights.

Electronic Vehicle Registration:-

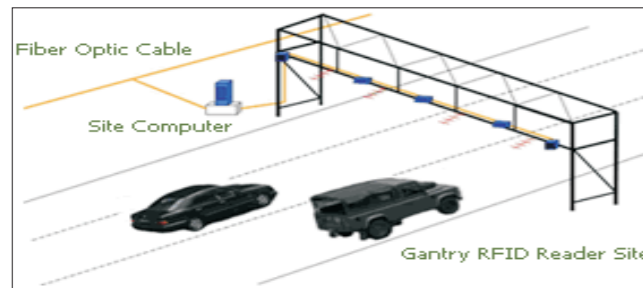
Metro Infrasy's offers the state of the art E-number plate system by using Radio Frequency Identification Device (RFID) technology as the third number plate on the inside of the Wind Shield. The Systems enables the verifications of Physical Number plate through Video based Automatic Number Plate recognition systems and Electronic RFID reading, to verify that there has been no tampering of Number Plates has taken place.



Advance Toll Collection System



Red Light Enforcement system



Electronic Vehicle Registration



Check post Management system and WIM system



Parking Management



& Guidance system



Advance Traffic Management Systems

Metro Infrasy's : Introduction

Metro Infrasy's Pvt. Ltd. having its head office in New Delhi is an emerging leader in the field of Intelligent Transportation Systems with an impressive track record of successful projects implementations with top concession companies in India. At Metro Infrasy's, we are driven by the philosophy of dynamic engineering based on reliability.

Metro Infrasy's has set its service, integration and development centre at IMT Manesar, Gurgaon (Haryana) which is made as per international standards. The company has made a state-of-art mock lane through which it demonstrates various technologies for tolling, traffic management and parking. The facility is also being used for simulation, testing, innovation, and training.

Drawing on comprehensive research and collaboration with the world's leading companies, Metro Infrasy's provides the best available customized solution in the field of traffic management. We adapt world's best technology with local knowledge and expertise suitable for Indian subcontinent's environmental and operational conditions



Project Partners

At METRO, we are proud of our partnering capabilities. We have teamed with organizations who offer world-class technologies and services. Our collaboration affords innovative solutions and technologies for all of our clients' intelligent transportation system needs.

Kapsch TrafficCom AG

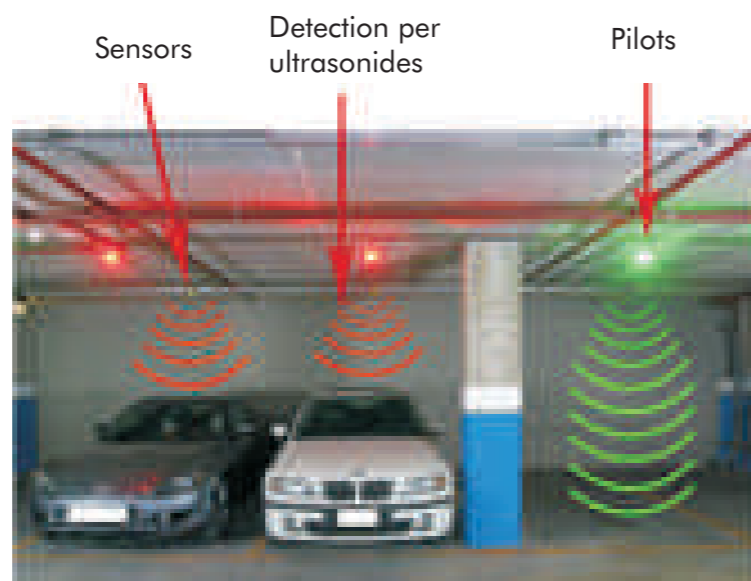
Kapsch TrafficCom is an international supplier of innovative traffic telematic solutions. The company develops and delivers primarily electronic toll collection systems, especially for multi-lane free-flow traffic and offers technical and commercial operation of these systems. In addition Kapsch TrafficCom offers traffic management solutions focusing on traffic safety and control, electronic access systems and parking management systems.

With approximately 260 references in 41 countries in all five continents, and with almost 44 million delivered on-board units (OBUs) and 18,000 equipped lanes, Kapsch TrafficCom has positioned itself among the leading suppliers of ETC systems worldwide. Kapsch TrafficCom is headquartered in Vienna, Austria, and has subsidiaries and representative offices in 25 countries.

ParkHelp is a leading provider for intelligent guidance systems and provides Solutions for improving urban mobility.

Set up in 1999

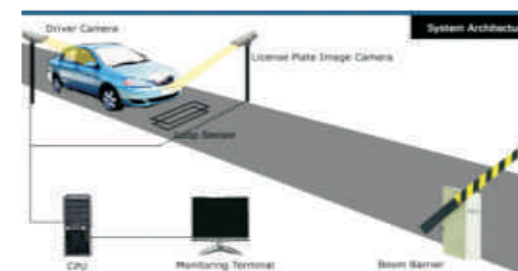
World pioneers developing IP connection products and applications. Present in more than **42 countries** with an installed base of more than **155.000 parking spaces**.



ETC (RFID) Reader



Automatic Vehicle Classifier



ANPR (Automatic Number Plate Registration System)



ATCCC (Automatic Traffic Counting Cum Classifier)



Handheld Device



Ticket Dispenser



• International Standards Followed at Metro Infrasyts:

- ETC RFID 18000-6C
- Smart Cards : Mifare Standard 14333 A/B, IP Standards

• Development of Software for the following technologies at Metro Infrasyts:

- **Windows:** Linux Operational Systems
- **Databases:** SQL Server, DB2, MySQL
- **Real-time Operational Systems:** Linux OS
- **Programming Languages:** Java, C++
- **Platforms and Tools:** Visual Studio DotNET
- **Protocols:** TCP/IP, PPP, FTP, HTTP, SNMP, MODBUS
- **Data Compression:** JPEG, MPG2, 3 & 4
- **WEB Applications :** HTML, XML, ActiveX, Firewall, VPN & SSC
- **Transmission :** IP-based Voice, Video and Data integrated transmission

• Special Technologies Used:

- **RF Communication:** IEEE802.11a/b/g (WiFi), protocols GSM/GPRS, CDMA/1xRTT, SMS, BlueTooth
- **GPS:** Solutions for video images handling and analysis (VAS, VES, LPR, Video Detection, Event recognition and tracking).

Clients & Projects

At Metro Infrasyas, we have a proven and reliable track record in the implementation of intelligent transportation systems. Please peruse our client and project list. Here you will find a variety of projects at various stages of their life-cycle.

DS CONSTRUCTIONS LIMITED :

Kapsch Metro Joint Venture Design, Supply, Testing & Commissioning of Toll Collection Systems for Delhi-Gurgaon Section of NH8 for 3 Toll Plaza equipped with a total of 59 Toll Lanes including more than 30 ETC lanes , along with Maintenance period of 36 months .
Project Status: Project and Warranty Period Successful completed.



IGI Toll Plaza



Delhi Gurgaon Toll Plaza

NAVAYUGA DEVANHALLI TOLLWAY P LIMITED :



Design, Supply, Testing & Commissioning of Toll Collection Systems for Devanahalli Section of NH-7 for 2 Toll Plaza equipped with a total of 13 Toll Lanes including 2 ETC lanes , along with Maintenance period of 12 months.

Project Status- Project completed and currently under warranty period.

MADHUCON PROJECTS LIMITED:

Design, Supply, Testing & Commissioning of Toll Collection Systems for Madurai Tuticorin NH-45 for 2 Toll Plaza equipped with a total of 24 Toll Lanes including 4 WIM System, along with Maintenance period of 24 months.

Project Status : Project Completed and currently under Warranty period



Tuticourin Toll Plaza

SIMPLEX INFRASTRUCTURES LIMITED:

Design, Supply, Testing & Commissioning of Toll Collection Systems for Kavali-Ongole Section of NH-5 for single Toll Plaza equipped with a total of 10 Toll Lanes, along with Maintenance period of 24 months ..

Project Status : Project and Warranty Period Successful completed..

HCC LIMITED :

Design, Supply, Testing & Commissioning of Toll Collection Systems for Kolaghat kharagpur Section of NH-6 for single Toll Plaza equipped with a total of 4 Toll Lanes, along with Maintenance period of 12 months.

Project Status: Project Installation, Commissioning and Warranty Period Completed.

SIMHAPURI EXPRESSWAY LTD:

Chilkaluripet Nellore Section of Andhra Pradesh on NH-5 having Toll Collection System with 3 Plaza and 24 Lanes along with 24 Handheld Device

Project Status : Completed and currently under warranty period

GUJARAT PRATIBHA JOHNSON OMT-02 P LIMITED:



Dumiyani Toll Plaza

Design, Supply, Testing & Commissioning of Toll Collection Systems for Porbandar Bhiladi Jetpur Section of NH-8B for 2 Toll Plaza equipped with a total of 12 Toll Lanes, along with Maintenance 12 Months

Project Status: Project completed and currently under warranty period.

DND FLYWAY:

Toll Collection and Operation of 27 Lane Toll Plaza on DND Expressway, India

Project Status : Project and Warranty Period Successful completed..



DND Flyover

Sadhbhav Engineering ltd.- HCC Joint venture :

Design, Supply, Testing & Commissioning of Toll Collection Systems and Highway Traffic Management System for Dhule Section of NH-3 for 2 Toll Plaza equipped with a total of 24 Toll Lanes including more than 24 WIM System and installation of 96 ECB, along with Maintenance period of 24 months

Project Status :- Project is Under Implementation



NDMC Parking Guidance Systems

NDMC Parking Management and Guidance System :

Supply, Testing & Commissioning, Operation and Maintenance of "Parking Management Systems" & "Parking Guidance System" for Govt. car-parking at XIXth Common Wealth building NDMC for 4 Lanes

Project Status : Project and Warranty Period Successful completed.

UNITECH LIMITED :

Supply, Testing & Commissioning, Operation and Maintenance of "Parking Management Systems" & "Parking Guidance System" for Unitech at Adventure Island Amusement Park for 12 Lanes

Project Status : Project and Warranty Period Successful completed.

OBEROI GROUP PARKING MANAGEMENT PROJECT:

Supply, Testing & Commissioning, Operation and Maintenance of "Parking Management Systems" for Oberoi group at Oberoi hotel building for 6 Lanes

Project Status : Project and Warranty Period Successful completed..

VSK Lal Quila Government Parking Site :

Supply, Testing & Commissioning, Operation and Maintenance of "Parking Management Systems" & "Parking Guidance System" for Govt. car park at Lal Quila Parking site for 2 Lanes along with the maintenance period of 12 months

Project Status: Under Implementation

C & C Constructions New Delhi Car Parking site :

Supply, Testing & Commissioning, Operation and Maintenance of "Parking Management Systems" & "Parking Guidance System" for Govt. car-park for a total of 6 lanes along with the maintenance period of 12 months

Project Status: Under Implementation

COMPETENCIES & MANAGEMENT SYSTEMS

COMPETENCIES :

The organization is focused on the constantly increasing the Talent pool through Trainings of existing people and induction of new talent in the company.

More than 65% of its workers hold a high educational degree from renowned universities.

The organization currently relies on the following staff:

No. of People	> 75
No. of Software Professionals	> 15
No. of Project Professionals	> 30
No. of Administrative Staff	> 08
No. of Engineers	> 19
No. of Marketing Professionals	> 03

MANAGERIAL SYSTEM :

The company has its complete project management systems on reliable cloud based technology and its entire Lead project Engineers throughout India are connected to the company back end on the cloud.





Passion for Intelligent Transportation Systems

The Engineers and Managers in the company are driven with a passion for Intelligent Transportation Systems.



Our Works Unit at Manesar, Gurgaon.

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INFRASYS

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