

Khanna Designers & Consultants Pvt. Ltd.
ISO 9001 : 2015



... from inception to realization



WHO WE ARE

We are a premier consulting organization and an Established Company in transportation Engineering, committed to achieving excellence in providing comprehensive engineering solutions tailored to meet the unique needs of our clients. Our Team of experienced engineers & professionals is dedicated to excellence in every aspect of our work from conceptual designing to project completion.

KDC is a consulting organization incorporated in 2013, having its Head Quarters in Punjab, Corporate Office in Gurugram and Branch office in Zirakpur

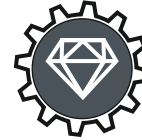
KDC is an ISO 9001 : 2015 Certified Company that embodies the seamless blend of Leadership, Services, and Value.





OUR VISION & MISSION

Empowering KDC as a leading consulting organization by delivering sustainable engineering solutions to our clients on time, within budget, and to the highest quality standards, achieved through the creation of efficient, resilient, and sustainable systems.



OUR VALUES

Customer Focus
Integrity
Quality & Innovation
Passion For Excellence
Teamwork
Make A Difference

"We Live and Breathe Our Values Every day"



QUALITY POLICY

At KDC, we are dedicated to providing exceptional infrastructure consulting services that exceed the expectations of our clients. Our commitment to quality is embedded in every aspect of our work, from project inception to completion. We adhere to the principles of

- Client Focus
- Excellence in Execution
- Continuous Improvement
- Compliance & Accountability

Our Quality Policy serves as a guiding framework for our organization, empowering us to deliver value-driven solutions that drive success for our clients and stakeholders. We are dedicated to maintaining the highest standards of quality, professionalism, and integrity in all our endeavors



ASSURANCE

At KDC with a steadfast dedication to precision and reliability we promise to deliver sustainable infrastructure solutions that exceed industry standards.

TRUST KDC for your next landmark project where our assurance is built on integrity, transparency and a relentless pursuit of engineering excellence.

WHAT WE DO

Adopting innovative strategies and industry - aligned benchmarks, we offer a comprehensive range of engineering consultancy services across multiple

Sectors :

- Road Asset Management
- Highways & Expressways
- Bridges
- Structures & Buildings
- Railways & Metros
- Water & Environment
- Building Information Modeling
- Waste Water and Sewerage Management
- Urban Planning and Development



DOMAIN OF PROFICIENCY

1. STRUCTURAL HEALTH EVALUATION

Structural Health Evaluation involves assessing the condition and performance of structures such as bridges, dams, buildings and infrastructure to ensure they are safe, reliable, and functional.

2. EXPLORING HIGHWAYS AND PAVEMENTS :THE ROAD TO QUALITY INFRASTRUCTURE

Highways and pavements are vital for transportation, requiring thorough investigation for durability, safety, and sustainability. Pavement investigation assesses road condition, composition, and performance through tests like visual inspection, pavement coring, and ground-penetrating radar. These methods ensure quality and identify defects for maintenance or repair, enhancing infrastructure reliability and longevity.

4. ESSENTIAL INVESTIGATIONS & SURVEY

- GPS Surveys: Use GPS for precise mapping and location.
- Boundary Surveys: Define legal property boundaries, ensuring compliance.
- Site Planning Surveys: Assess site suitability, considering terrain and environment.
- Topographic Surveys: Capture detailed site features, including elevation.
- Land Boundary Surveys: Establish property lines accurately.
- Subdivision Plans: Divide land for development, outlining boundaries

3. BRIDGES AND STRUCTURES: THE FOUNDATIONS OF CONNECTIVITY

Bridges & Structures are vital engineering constructs crucial for transportation, urban development, and water management. They encompass various types like bridges, tunnels, dams, and retaining walls

- Railway Over bridges (ROB)
- Flyovers
- Tunnels
- Foot Over Bridges (FOBs)
- Underpasses
- Irrigation Structures
- Water Supply Structures



EMPOWERING EXCELLENCE: OUR STATE-OF-THE-ART EQUIPMENT INVENTORY

NETWORK SURVEY VEHICLE (3D-LCMS-2)

NSV with Laser Crack Measurement System (LCMS - 2) equipped with ROMDAS used for 3D profiling and automatic defect detection for road surfaces.

This vehicle is mounted on Force Traveller Van employed with advanced technology for pavement evaluation, road condition assessment, and road inventory management which meets the latest requirements laid down by NHAI, MORTH, NHIDCL, State PWD's etc



FALLING WEIGHT DEFLECTOMETER

KUAB 80 SPGE Vehicle Mounted Falling Weight Deflectometer (VMFWD), is a mobile system performing non-destructive dynamic plate load test. It is equipped with sensors and auto plotter software and conforms to IRC 115-2014 & 117-2015 Guidelines for structural evaluation and strengthening of Flexible & Rigid Road Pavement.



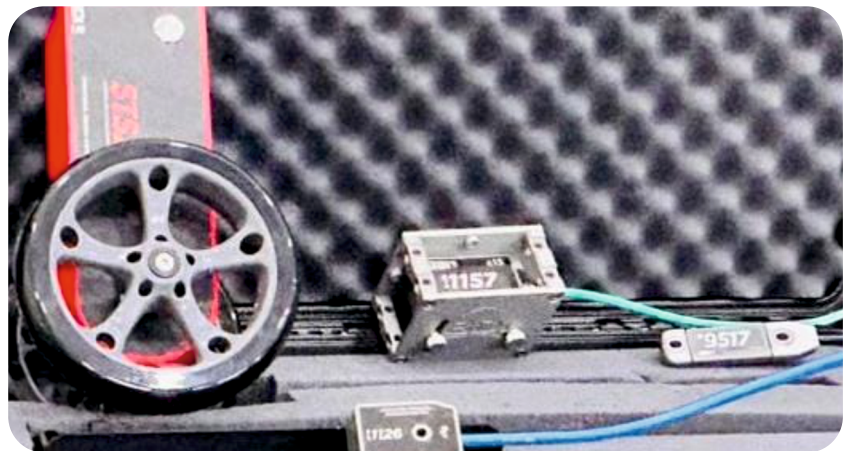
MOBILE BRIDGE INSPECTION UNIT (MBIU)

Mobile Bridge Inspection Unit Is a special purpose vehicle unit mounted on Bharat Benz Truck which provides a safe working platform for Bridge inspection personnel for testing the underneath of the Bridges. Our Bucket type inspection unit has an operational range of 16 mtrs allows inspection of a four lane bridge in one go from one sided deployment. This is a true mobile unit as the vehicle can be moved in a deployed position, thereby expediting the inspection process.



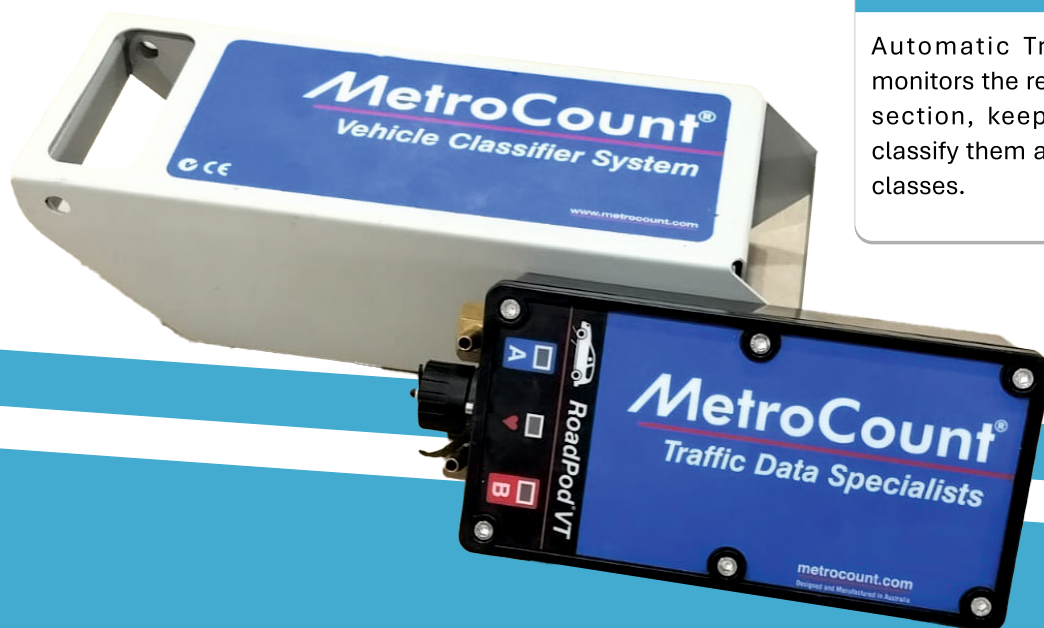
BRIDGE HEALTH MONITORING SYSTEM

The STS4 from BDI is a compact, wireless data acquisition system tailored for structural testing, offering efficiency and support for long-term monitoring. Designed by engineers, it features easy-to-use software with no programming required, extended range, POE support, and efficient power-saving modes. The system includes expanded sensor input ranges, auto-temperature compensation, and compatibility with existing hardware and software. Additionally, cost-effective Extension Nodes allow communication and power for up to 16 data channels.



AUTOMATIC TRAFFIC COUNTER CLASSIFIER (ATCC):

Automatic Traffic Counter Classifier monitors the real-time traffic flow of a road section, keeps count of vehicles, and classify them according to their predefined classes.



RETRO REFLECTOMETERS:

Retro Reflectometer is used for Road marking and Traffic Signage. It can record more than 100,000 readings and can be operated in three modes - directly, through remote and through mobile.



GROUND PENETRATING RADAR:

Ground Penetrating Radar does Utility Detection, Mapping of dowel bars. It is optimized for locating and mapping utilities, wireless data collection using mobile devices; cloud storage, postprocessing and on-site reporting. We are also equipped with GPR with 2500MHz antennas which have been very effectively used for mapping of dowel bars



NON NUCLEAR GUAGE:

Non-nuclear guage offers system error warnings, and advanced measurement technology resulting in accurate and precise density and percent compaction measurements



LATEST ROAD ASSET MANAGEMENT SURVEYS ACROSS VARIOUS SITES

Rehabilitation and Up-gradation from Km 0+000 to Km 39+150 of NH-7305 (Maharajganj Nichoul - Thuthibari) to Two lane with paved shoulders in the State of Uttar Pradesh.



Construction of New 2 lane bypass from Km 176+532 (Near Doonipawa ex. Km 263+107) to Km 185+002 (Near Khudwani on NH-44 at existing Km 238+500) in the union territory of Jammu and Kashmir.



Conducting Falling Weight Deflectometer (FWD) Survey in the State of Meghalaya.



Construction of 02-lane with paved shoulder 04-lane configuration of Poanta Sahib – Hewna Section Pkg-1 (Km 0.000 to Km 25.000) of Nh-707.



4-Laning of Mohari to Satai Ghat Section NH-934 from Km 50+300 to Km 89.875 (Total Length 39.5 km) (Package-2) in the State of Madhaya Pradesh.



LATEST ROAD ASSET MANAGEMENT SURVEYS ACROSS VARIOUS SITES

Construction of Eight Lane Carriageway starting near Junction at SH-44 to Junction with Keshopura Road (Km 115+700 to Km 151+840) section of Delhi – Vadodara Green Field Alignment (NH-148N) in the State of Rajasthan Package 3&4.



Construction of New 2 lane bypass from Km 176+532 (Near Doonipawa ex. Km 263+107) to Km 185+002 in the union territory of Jammu and Kashmir



Laning of Jammu – Udhampur road from Km. 15.000 to Km 67.000 (Jammu Bypass Udhampur) (Pkg No. NHDA-11/BOT/VI/J&K)



Survey and data processing on about 3584 kms on roads in the State of Himachal Pradesh



Rehabilitation & Up-Gradation of Kohla – Nasratpur Section from Km 444+000 to 514+000 of NH-222 in the State of Maharashtra



OUR FLAGSHIP PROJECTS



Design of Main Spine Road of
Ayodhya UP, 2023

Detail design of Delhi Meerut
Expressway, 2017



Designed Major Bridge on River
Panga, Siliguri, West Bengal, 2017

Design Of Underpass, Flyover, Fob,
Surface Road Around Huda
City Metro Station, Gurugram



80m Steel Truss Bridge over IOCL
pipelines & Canal in the
State of Haryana

Design of Pragati Maidan,
Underpass Canopy, New Delhi



Prepared Detailed Design Foot Over
Bridge, Haldia, WB

Prepared Detailed Design
U- Turn Near Ambience Mall, NH-8





OUR PRESTIGIOUS CLIENTS



Greater Ludhiana Area Development Authority



