

Traffic Simulation Consultant in India

At SLS TTIC Pvt. Ltd. we provide advanced Traffic Simulation services that help clients understand, analyze, and optimize real-world traffic behavior. By leveraging state-of-the-art simulation tools and proven methodologies, we deliver accurate, data-driven insights that support effective transportation planning and decision-making.



Our Traffic Simulation Capabilities

- **Microsimulation Modeling**
Detailed simulation of individual vehicle movements to assess junction performance, signal operations, and corridor behavior.
- **Mesoscopic and Macroscopic Modeling**
Large-scale traffic flow models to evaluate network-level impacts, travel

patterns, and strategic transport interventions.

- **Signal Optimization Studies**
Simulation-based evaluation of signal timings for improved traffic flow, reduced delays, and minimized congestion.
- **Scenario Analysis & Forecasting**
Assessment of multiple design or policy scenarios to predict future traffic conditions and support project planning.
- **Impact Analysis for Developments**
Simulation studies to evaluate the effect of new infrastructure, land-use changes, and transport proposals on existing networks.
- **Visualization & Animation**
Clear 2D/3D animations that help stakeholders visualize traffic operations and understand proposed solutions.

Benefits of Traffic Simulation

- Accurate prediction of traffic performance
- Reduced risk in planning and infrastructure investment
- Better visualization for stakeholder communication
- Enhanced decision-making through data-driven insights
- Improved safety and operational efficiency

Cities Where We Have Completed Traffic Simulation Projects

SLS TTIC PVT LTD has delivered high-quality Traffic Simulation projects across various cities, supporting urban planners, developers, and government agencies with accurate modeling and scenario-based mobility solutions.

Cities where we have completed Traffic Simulation projects include:

- Bangalore • Mysore • Chennai • Hyderabad • Kochi • Kolkata
- Mumbai • Lucknow • New Delhi

Why Choose SLS TTIC Pvt. Ltd.?

- Expertise in industry-leading simulation tools
- Experienced transport engineers and modelers
- Tailored solutions to suit project requirements
- Reliable, precise, and actionable results
- Commitment to innovation and quality
- We use PTV Vissim for micro simulation and CUBE Voyager for macro simulation

Contact Us

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