

A Think-Tank on  
Intelligent Transportation System

# Shaping the future of Mobility in India





## About ITS India Forum

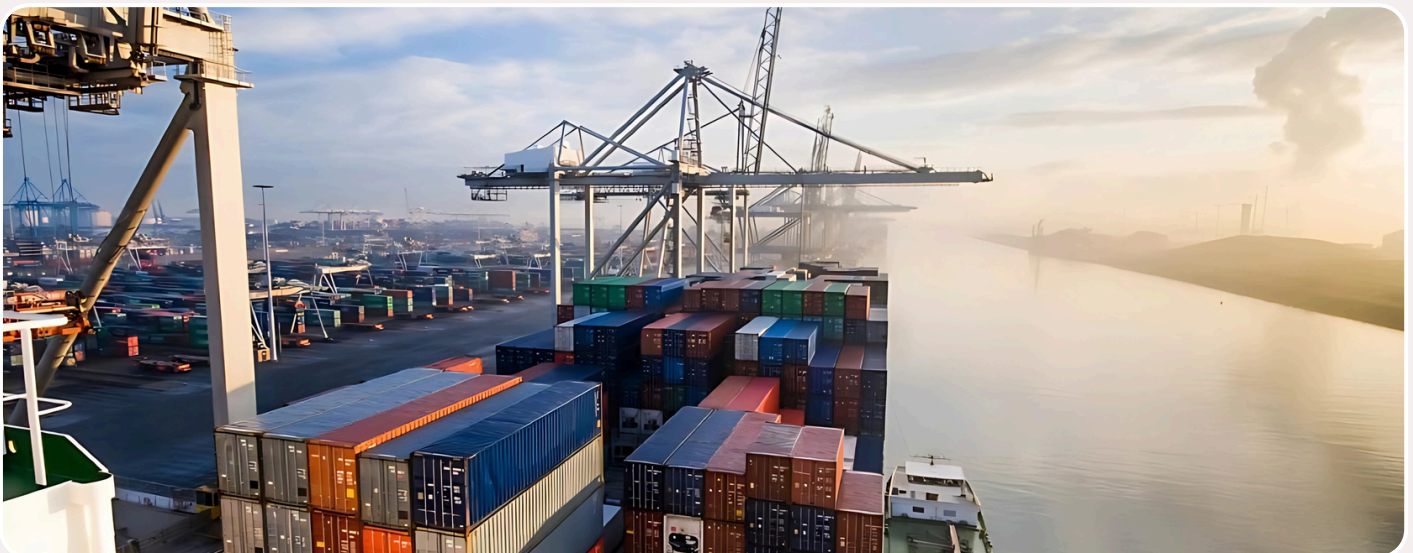
The Intelligent Transport Systems (ITS) India Forum is a pioneering nonprofit think tank dedicated to revolutionizing India's transportation landscape through innovative and sustainable ITS solutions. Established to address pressing challenges such as rising road safety concerns, urban congestion, and high logistics costs, the forum serves as a collaborative platform uniting industry leaders, academic institutions, policymakers, and civil society. With a growing membership of 34 organizations as of May 2025, including 12 new members since October 2024, ITS India Forum is at the forefront of driving India's transformation into a global leader in intelligent mobility, aligning with the vision of Viksit Bharat @ 2047.

## Vision

Empowering transportation by driving innovation for a safer, intelligent, affordable, and greener mobility network built on the foundation of advanced technologies and sustainable solutions. Empowering transportation by driving innovation for a safer, intelligent, affordable, and greener mobility network built on the foundation of advanced technologies and sustainable solutions.

## Mission

To provide a platform for transport experts, researchers, industry leaders, and policymakers to collaborate and evolve the best policies, standards, and technologies for an efficient transport system in the country. To promote large-scale adoption of ITS solutions and facilitate the highest-quality implementation by bridging gaps in skill, standards, funds, and quality assurance.





# ITS Industry in India

The Intelligent Transport Systems (ITS) industry in India is a rapidly growing sector, currently valued at USD 5 billion, with projections indicating a robust 15% compound annual growth rate (CAGR) over the next five years. This growth is driven by the increasing adoption of advanced technologies that address India's unique transportation challenges, including urban congestion, road safety, and logistics inefficiencies. ITS is expected to contribute 5–7% to India's GDP by enhancing safety, optimizing traffic flow, and reducing logistics costs, thereby boosting economic competitiveness.

## Key Drivers of Growth

- **Advanced Traffic Management Systems (ATMS):** These systems utilize real-time data and AI to optimize traffic flow, reduce congestion, and enhance road safety in urban and rural areas.
- **Vehicle-to-Everything (V2X) Communication:** Enabling vehicles to communicate with each other and infrastructure, V2X improves safety and efficiency, particularly in high traffic zones.
- **Multimodal Connectivity:** Integrating various modes of transport, such as buses, trains, and ride-sharing, to provide seamless travel experiences.
- **AI-driven Mobility-as-a-Service (MaaS):** Offering on-demand, personalized mobility solutions that cater to diverse user needs.
- **Smart Parking, Electric Vehicles (EVs), Drones, and 5G/6G Integration:** These technologies are transforming urban mobility, logistics, and last-mile delivery, aligning with India's smart city initiatives.

The ITS industry is poised to play a pivotal role in India's economic and infrastructural development, creating jobs, fostering innovation, and supporting sustainable growth.





## Benefits of ITS for India

Intelligent Transport Systems (ITS) offer transformative benefits that align with India's national goals of safety, sustainability, and economic growth. By leveraging cutting-edge technologies, ITS India Forum is helping to build a modern, efficient, and inclusive transportation ecosystem.

### Key Benefits

- **Enhanced Road Safety:** Technologies like Advanced Driver Assistance Systems (ADAS) and Cellular Vehicle-to-Everything (C-V2X) communication can significantly reduce road accidents, saving lives and reducing healthcare costs.
- **Reduced Congestion:** Smart traffic management systems optimize traffic flow, shorten travel times, and decrease fuel consumption, improving urban mobility.
- **Environmental Sustainability:** Efficient transportation systems lower carbon emissions, supporting India's commitments to the Paris Agreement and promoting a cleaner environment.
- **Economic Growth:** The ITS sector creates jobs, attracts investment, and fosters innovation, contributing to India's economic competitiveness.
- **Improved Logistics:** ITS enhances supply chain efficiency, reducing costs for businesses and strengthening India's position in global markets.
- **Inclusive Mobility:** ITS solutions provide better access to transportation for underserved communities, promoting social equity and inclusion.

By embracing ITS, India can leapfrog traditional transportation models, creating a future-ready mobility ecosystem that benefits all citizens.



## Achievements

ITS India Forum has made remarkable strides in advancing Intelligent Transport Systems in India, establishing itself as a leader in policy, innovation, and global engagement.

## Policy and Pilot Initiatives

- **National ITS Policy Development:** Collaborated with NITI Aayog to draft India's Comprehensive National ITS Policy, incorporating industry inputs and global best practices to create a robust framework for ITS adoption.
- **C-V2X Pilot Project:** Launched a groundbreaking Cellular Vehicle-to-Everything (C-V2X) pilot in Bangalore, creating a green corridor for ambulances at 10 signaled junctions, demonstrating the life-saving potential of ITS technologies.
- **Know Your Safe Driving Score:** Developed an innovative online platform, akin to a CIBIL score, to promote safe driving practices and influence insurance and licensing policies.

## Conferences Participated & Organized

### Connected Vehicles Stakeholders Meet (CVS)

January 29, 2025 | New Delhi

### International Conference on Smart Mobility Systems

26-27 April 2025 | Ambedkar International Centre, Janpath, New Delhi

### Bharat Mobility Global Expo 2025

Jan 17-22, 2025 | New Delhi

### Indian Road Federation Event, Istanbul, Turkey

Istanbul, Turkey

### IRF-Global Road Infratech Summit & Expo (GRIS-2025)

March 6-7, 2025 | New Delhi

### United Nations Road Safety Conference, Geneva.

14 - 18 May, 2025

### NTRO – The Transport Revolution International Conference 2025, Melbourne

7-9 May 2025

### Geospatial World 2024 Conference

December 4-5, 2024 | Hyderabad

### United Nations Road Safety Conference, Geneva.

14 - 18 May, 2025

### Global Road Infratech Summit & Expo (GRIS-2025)

Mar 6-7, 2025 | The Lalit, New Delhi

### Emerging Trends in the EV Sector

19 April 2025 | Bharat Mandapam, New Delhi

### 32nd Convergence India Expo 2025

Mar 20, 2025 | Pragati Maidan, New Delhi



## Webinars | Round Table

### | **Barrierless Tolling Roundtable**

January 15, 2025 | India International Centre (IIC), New Delhi

### | **Roundtable Conference on Advanced Traffic Management Systems (ATMS)**

March 28, 2025 | Hybrid

### | **Webinar on ADAS for Next-Generation Road Safety**

February 26, 2025

### | **Challenges in Scaling ATMS and the Way Forward**

20th May 2025 | Online Webinar

## Key Initiatives & Studies

### | **Pilot Projects**

Advancing the Green Corridor Project for Ambulances in Bengaluru

### | **Research & Studies**

Proposal for Study CSR Project on Road Safety

White Paper & Report

**ADAS, CV2X, TEC, AI, ERS**

### | **Government Engagements**

#### **Discussion with Odisha Government**

Discussion with Odisha govt for formulation roadmap for ITS enabled transport system

### | **Skill Development Collaboration with AITD & SAU**



# Government Engagement & Policy Influence

- **NITI Aayog:** Spearheading the development of a National ITS Policy with global best practices and innovative PPP funding models.
- **TEC/DoT:** Supporting to Draft a National ITS Framework.
- **MoRTH:** Piloting Safe Driving Score (SDS) using ADAS, telematics, and IoT to influence licensing and insurance.
- **BIS:** Facilitating for development of standards for Intelligent Transport Systems.

## Partnership & Engagements International

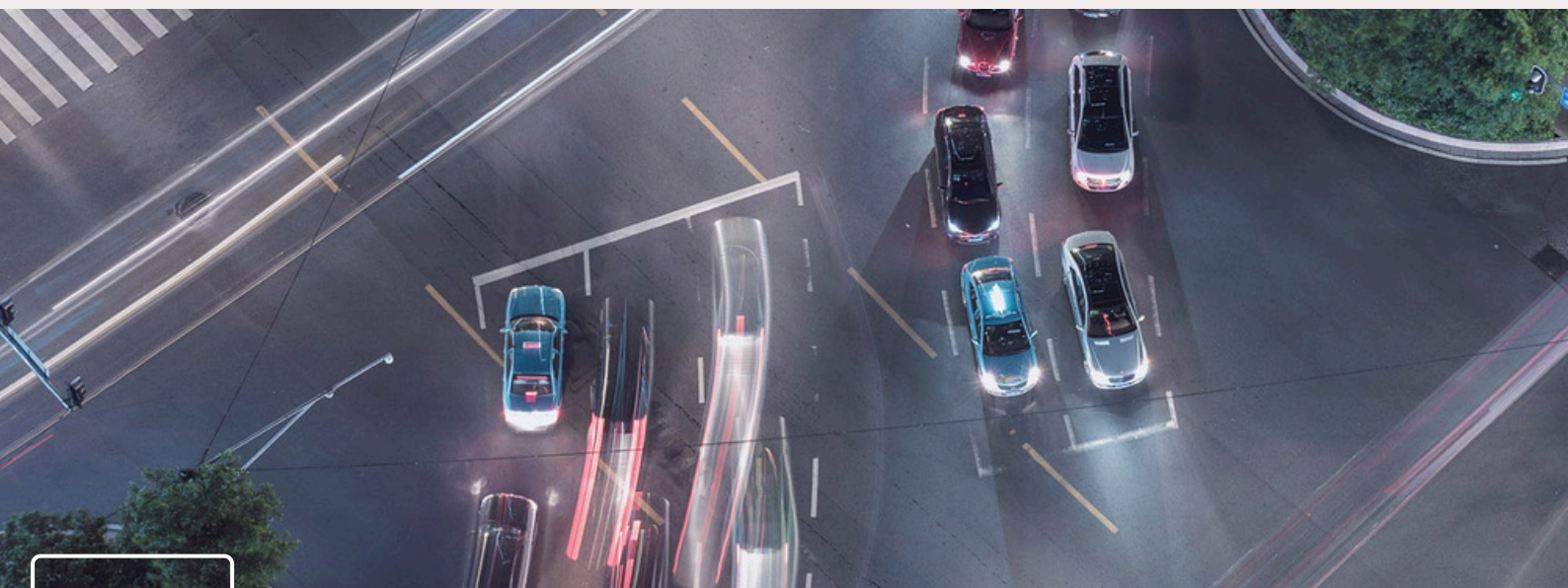
### National



### Institutional



### International





# Glimpses



**Visit of Secretary General, ITS Asia Pacific and President, ITS Japan - Mr. Akio Yamamoto along with Senior Vice President, ITS Japan - Mr. Takehiko Barada to ITS India office.**



# GLOBAL ROAD INFRATECH SUMMIT & EXPO

06-07 MARCH 2025 | NEW DELHI | INDIA



# GLOBAL ROAD INFRATECH SUMMIT & EXPO



# Connected

## Vehicles Stakeholders Meet.



# TRANSFORMING INDIA'S MOBILITY



# ITS Asia Pacific Forum

India has been elected as a Board Member of the 12-nation ITS Asia Pacific Forum, marking a major milestone in its journey toward smart and sustainable mobility. With the second-largest road network, a booming automobile industry, and a rapidly growing ITS ecosystem, India is well-positioned to contribute meaningfully to global transport innovation. This membership will accelerate the rollout of intelligent traffic systems, strengthen digital tolling and corridor-level planning, and integrate highway infrastructure with real-time mobility solutions. It also enables India to both learn from and share best practices with other leading nations in the field.

As EVs, connected vehicles, and data-driven technologies continue to transform transportation, India has the opportunity to leapfrog outdated systems and adopt next-generation solutions. A high-level Indian delegation is now preparing to represent the nation at the ITS World Congress 2025 in Atlanta, where the ITS India Pavilion will showcase India's progress and potential. This global platform reinforces India's readiness to lead with scalable, practical, and future-ready mobility strategies.





## Know More at:

<https://www.itsindiaforum.com/>

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