

**“AI gave me my curiosity and courage to lead
towards institutional asset management”**



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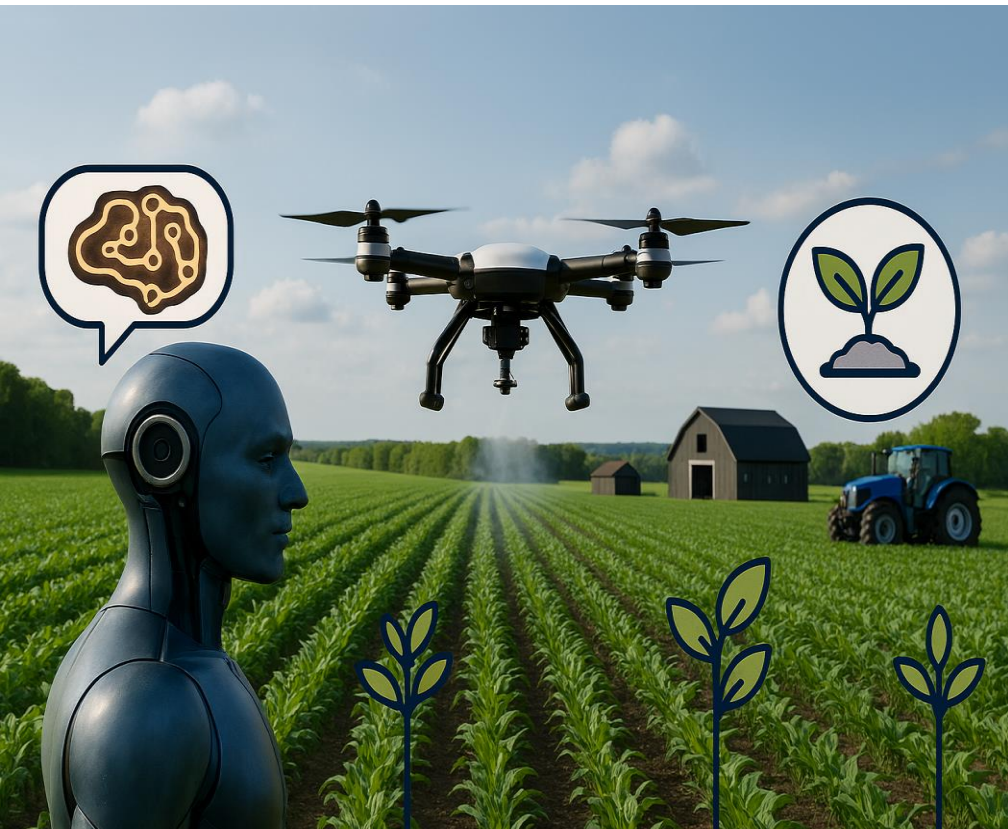
**Sustainable Highways | Traffic Infratech
Expo 2025**

UPI – A model of Digital Infrastructure

- 420+** Million active UPI users in India (24% of population)
- ₹24.9** Lakh crore processed in Sep 2025 alone
- 84%** Retail payments now via UPI
- 55%** Rural population of India uses UPI for digital payments
- ₹9,000** Crore UPI Lite+ enabled offline transactions in Q1 2025
- 40%** Reduction of AI-powered fraud detection false positives
- 53%** More fraud detection through AI & reduce Investigation time



AI + Drones – Agricultural Sector Leading Adoption



4.7B\$ AI Market Size Projected to reach by 2028, growing at 23.1% CAGR

30% Increase in yields through AI-driven precision farming

50% Indian farmers expected to use AI-powered tools by 2025

30% Farms using high-precision AI tools for irrigation, fertilization, and pest control

95% Accuracy in detecting crop diseases (e.g., apple scab, yellow rust)

30% Reduction in fertilizer and water usage by, improving sustainability



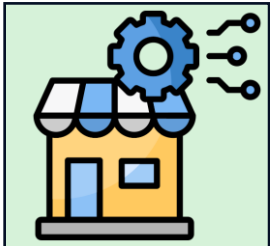
Healthcare Prediction

AI models enhance seizure prediction accuracy by analyzing complex time-series healthcare data in real-time.



Finance Fraud Detection

Real-time AI fraud detection and credit risk scoring strengthen financial security and improve decisions.



Retail Demand Forecasting

Retailers use AI for demand forecasting and dynamic pricing to optimize inventory and boost satisfaction.



Manufacturing Maintenance

Predictive maintenance powered by AI and IoT identifies failures early, reducing downtime and costs.

How AI Gave Me Curiosity & Courage

Personal Transformation

AI acted as a catalyst, fostering curiosity and courage for visionary leadership and personal growth.

From Data to Vision

The journey evolved from data-driven decisions to proactive leadership inspired by AI experimentation and learning.



Innovation and Risk-Taking

Embracing AI tools encouraged innovation, risk-taking, and a purpose-driven leadership approach.

Driving Meaningful Change

AI empowers individuals to move beyond analytics, fostering visionary thinking that drives meaningful organizational change

Curiosity Drives Exploration

Curiosity encourages seeking new knowledge and exploring innovative AI solutions to complex problems.

Collaboration Ensures Success

Cross-functional teamwork and open-minded collaboration foster inclusive innovation and shared AI vision.



Courage Fuels Transformation

Courage empowers leaders to embrace change and implement transformative AI-driven strategies effectively.

Vision-Led Leadership

Transitioning from data-driven to vision-led leadership enables impactful and future-ready AI adoption.

Challenges in Highway Asset Management

Data silos and inconsistent collection hinder effective highway asset management and maintenance planning.

Resistance to change and limited technical expertise delay adoption of modern asset management technologies.

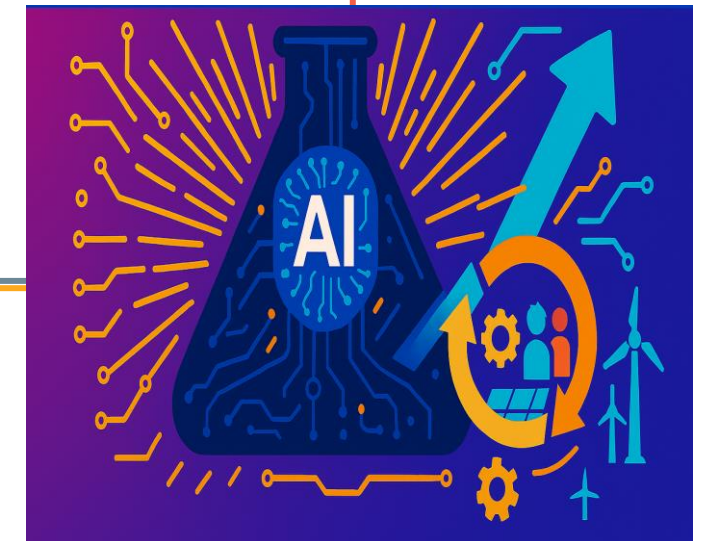


Short-term budgeting limits long-term infrastructure investment and efficient resource allocation.

Strategic alignment, stakeholder engagement, and technology investment are vital for resilient infrastructure management.

AI as a Catalyst for Change

	Automated Defect Detection AI enables real-time automated detection of road defects, reducing inspection time and increasing accuracy.
	Predictive Maintenance Predictive models use AI to schedule proactive maintenance, cutting costs by 20–30% and preventing failures
	Data-Driven Decision Making AI tools analyze vast road condition data to support strategic planning and optimize resource allocation.
	Successful AI Implementations Case studies from NHAI show effective use of AI and drone surveys improving highway safety and management.



Building an AI Ecosystem



Core Components Integration

Building an AI ecosystem requires integrating data, cloud infrastructure, AI models, governance, and skill development seamlessly.



Collaborative Partnerships

Effective AI ecosystems depend on partnerships among government, private sector, academia to drive innovation & scale



Ecosystem Impact

Robust AI ecosystems enable cross-industry adoption, increase competitiveness, and promote sustainable development.



Continuous Growth and Learning

A well-structured AI ecosystem supports seamless deployment, continuous learning, and collaborative growth over time.



Institutional Asset Management Reimagined

- **Traditional vs AI-enhanced asset management.**
- **Use cases:**
 - Automated inspections
 - Integrated platform
 - Smart Procurement
 - Compliance Intelligence patch tracking
 - Audit readiness, change management
- **McKinsey's estimate:** AI could impact 25–40% of cost base in asset management





Vision Forward



Your roadmap for AI-led asset management.



Call to action: Collaborate, experiment, and lead with courage.



Closing quote: “AI gave me the courage to lead not just with data, but with vision.”



