

TCS Intelligent Urban Exchange™ 4.0 for supply chain sustainability: Transforming supply chains into intelligent, resilient, sustainable networks



What is supply chain sustainability?

Supply chain sustainability means having end-to-end visibility of how goods and services are sourced, moved, used, and ultimately disposed of—so you can understand and manage the environmental impact at each stage.

A central challenge is Scope 3 emissions: the indirect emissions associated with purchased goods and services, upstream and downstream logistics, supplier operations, and the use of your products. For most organisations, Scope 3 accounts for the largest share of total emissions—and is also the most difficult to measure—because data is fragmented and supplier transparency is often limited.

Without the right tools and processes, this typically leads to:

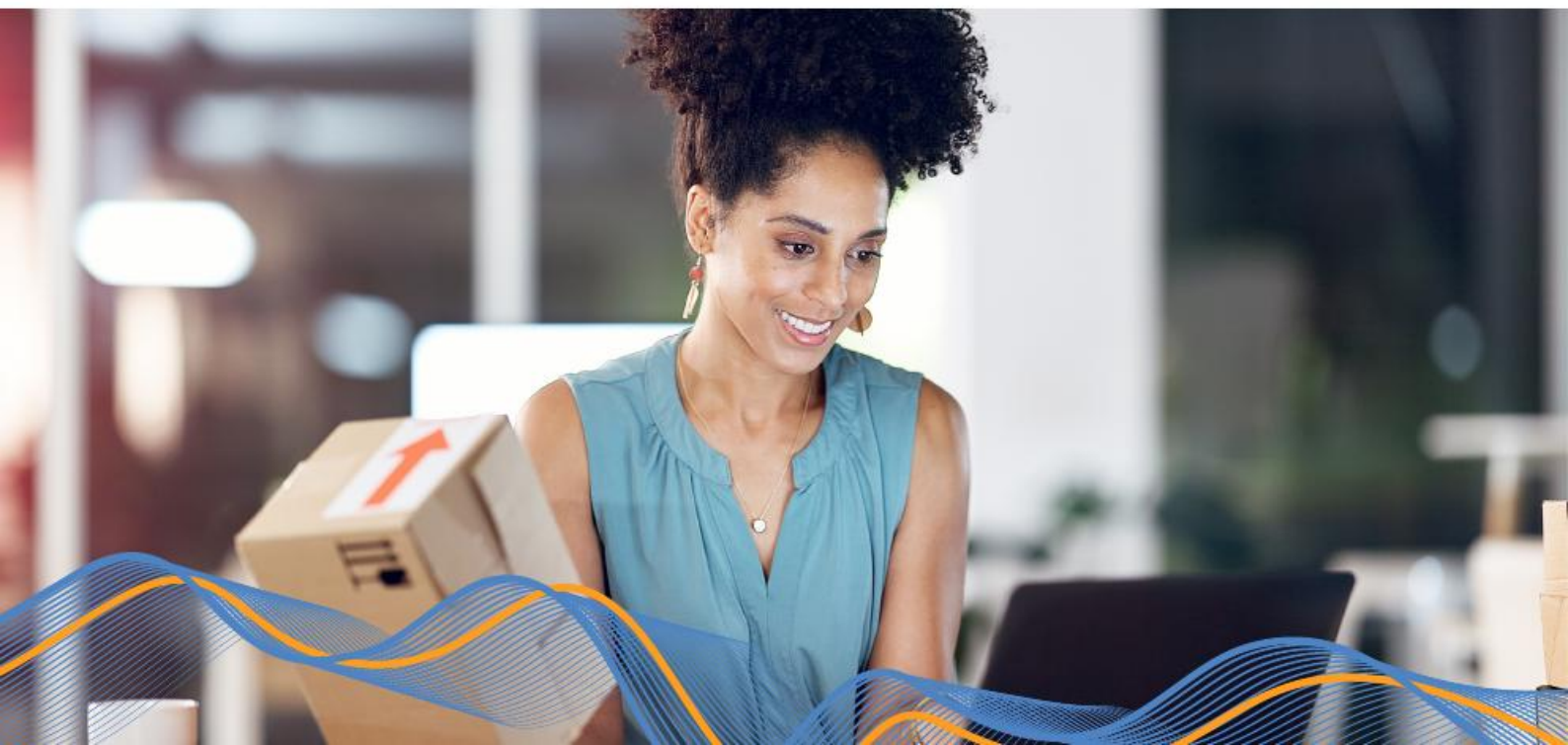
- Disparate data sources and reliance on manual spreadsheets
- Inconsistent supplier reporting and low confidence in results
- Limited visibility of emissions hotspots across the value chain
- Reactive compliance, rather than proactive action to reduce emissions

Our capability: TCS Intelligent Urban Exchange™ for supply chain sustainability

TCS Intelligent Urban Exchange™ provides a digital, data driven platform to automate emissions computation and enable actionable sustainability management across the supply chain.

The platform brings together supplier data, utility usage, logistics information, and operational metrics to deliver accurate, real time insights aligned with global sustainability standards.

With IUX, organisations move from assumptions to intelligence, enabling informed decisions that reduce emissions, improve supplier engagement, and strengthen regulatory compliance.

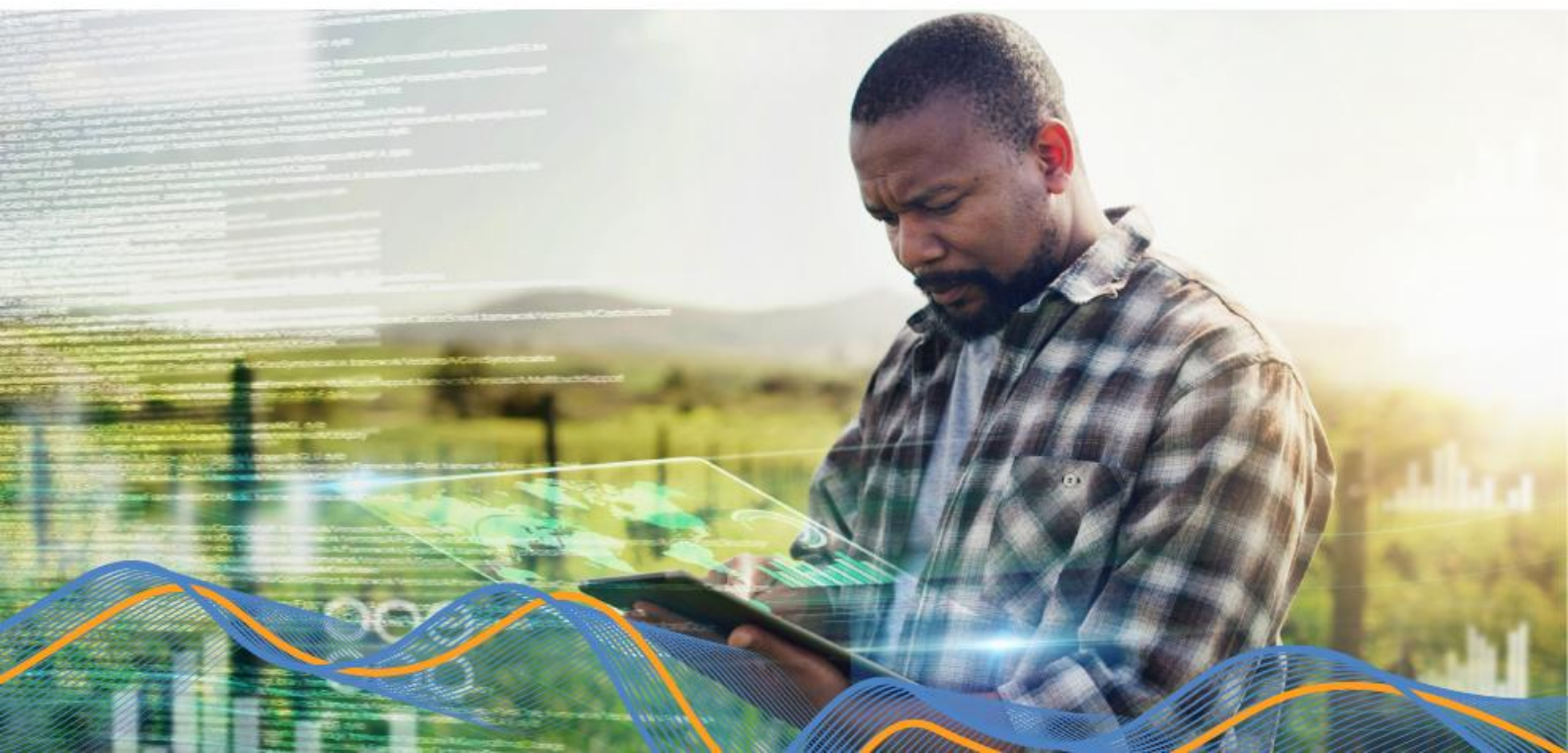


What value does TCS Intelligent Urban Exchange™ deliver for your supply chain management?

- **End-to-end visibility:** A single version of the truth across orders, inventory, and shipments, brought to life through a supply chain network view overlaid on a map.
- **Supply chain control tower:** Role-based KPIs, intelligent alerts, and orchestrated responses supported by a self-serve dashboard.
- **Resilience and risk management:** Predictive risk sensing, early warnings, and scenario planning facilitated through a citizen-centric, low-code analytics workbench.
- **Intelligent cost optimisation:** Balance trade-offs across cost, service, speed, and emissions using prebuilt AI/ML models with agentic AI that continuously understands the situation, evaluates options, selects the next best action, executes workflows, and learns to optimise decisions over time.
- **Sustainability and traceability:** Product-level traceability and auditable emissions data with pre-configured disclosure reports.

How does this work?

TCS Intelligent Urban Exchange™ is built on an enterprise-grade architecture that integrates seamlessly with your existing technology landscape. It is cloud-agnostic and uses an application programming interface (API)-led approach to connect with core enterprise systems such as enterprise resource planning (ERP), product lifecycle management (PLM), warehouse management system (WMS), and transportation management system (TMS), enabling unified data flows without disrupting current operations. By leveraging open integrations rather than requiring system replacement, IUX aggregates, harmonises, and enriches operational and sustainability data across the supply chain, delivering real-time visibility, analytics, and decision intelligence—without any rip-and-replace effort.

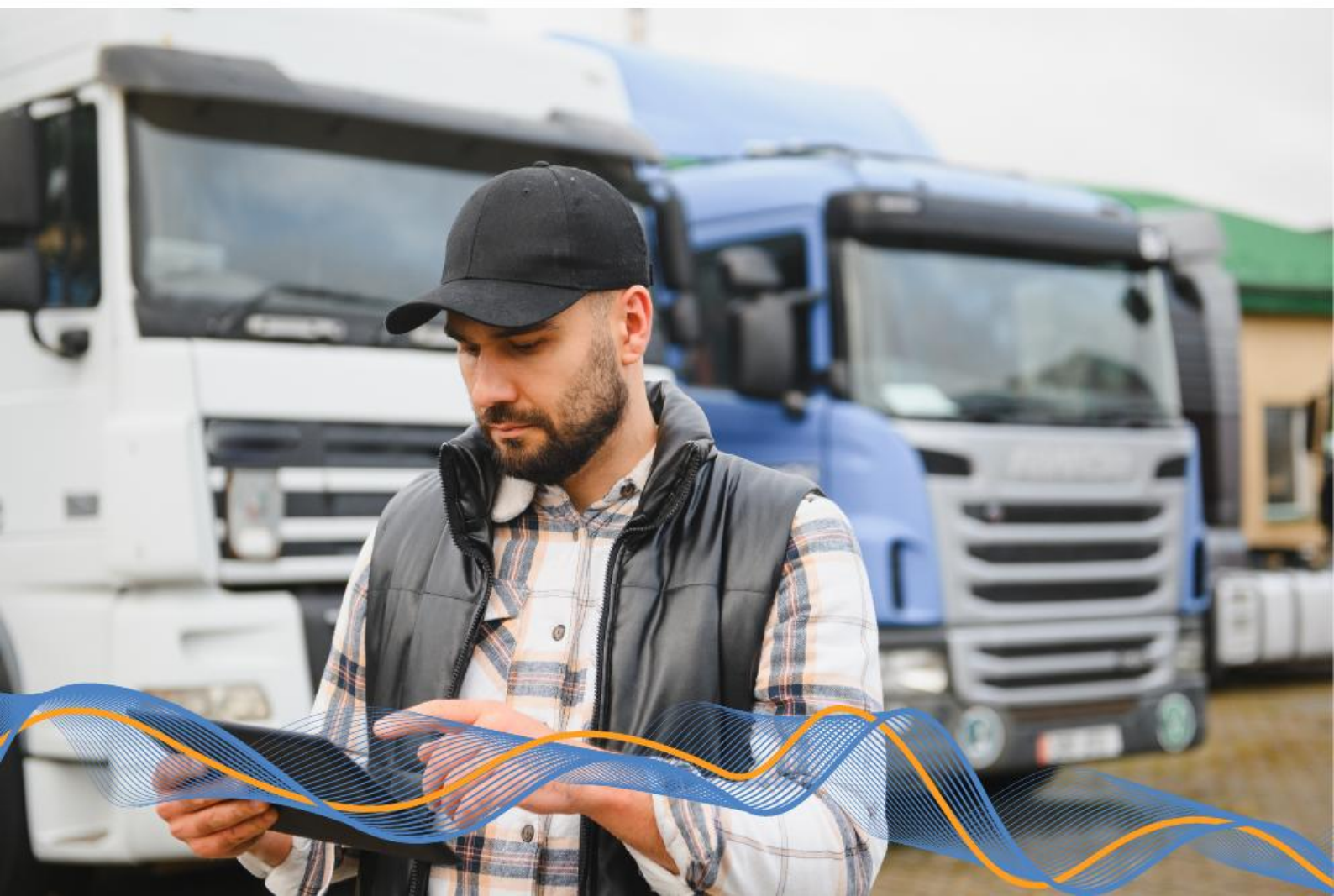


Business outcomes

- **Real-time supply chain intelligence:** Always-on visibility across orders, inventory, logistics, cost, and emissions—creating a single source of truth for proactive, data-led action.
- **Faster, more confident decisions:** Live insights, predictive alerts and scenario modelling replace assumptions and spreadsheets with timely, evidence-based choices.
- **Stronger service levels and resilience:** Early risk sensing and control-tower orchestration help you anticipate disruption and sustain performance across volatile supply networks.
- **Lower logistics and inventory costs:** Intelligent optimisation highlights inefficiencies and balances trade-offs across cost, service, speed and emissions across the network.
- **Regulatory-ready sustainability reporting:** Automated, auditable Scope 1, 2 and 3 emissions data supports consistent compliance with global disclosure and sustainability standards.

About TCS Intelligent Urban Exchange™

TCS Intelligent Urban Exchange™ is a sustainability intelligence platform that enables enterprises to measure, manage, and decarbonise their supply chains with confidence. Purpose-built for end-to-end supply chain sustainability, IUX brings together supplier data, logistics information, utility usage, and operational metrics to deliver automated Scope 1, 2, and 3 emissions accounting, real-time visibility, and actionable insights. It transforms complex, fragmented supply chain data into measurable, manageable, and decision-ready sustainability outcomes, enabling organisations to turn sustainability into a source of operational and competitive advantage.



Contact

Visit the <https://www.tcs.com/what-we-do/products-platforms/tcs-intelligent-urban-exchange> page on <https://www.tcs.com>

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About Tata Consultancy Services Ltd (TCS)

Tata Consultancy Services (TCS) (BSE: 532540, NSE: TCS) is a digital transformation and technology partner of choice for industry-leading organizations worldwide. Since its inception in 1968, TCS has upheld the highest standards of innovation, engineering excellence and customer service.

Rooted in the heritage of the Tata Group, TCS is focused on creating long term value for its clients, its investors, its employees, and the community at large. With a highly skilled workforce of over 607,000 consultants in 55 countries and 180 service delivery centres across the world, the company has been recognized as a top employer in six continents. With the ability to rapidly apply and scale new technologies, the company has built long term partnerships with its clients – helping them emerge as perpetually adaptive enterprises. Many of these relationships have endured into decades and navigated every technology cycle, from mainframes in the 1970s to Artificial Intelligence today.

TCS sponsors 14 of the world's most prestigious marathons and endurance events, including the TCS New York City Marathon, TCS London Marathon and TCS Sydney Marathon with a focus on promoting health, sustainability, and community empowerment. TCS generated consolidated revenues of US \$30 billion in the fiscal year ended March 31, 2025. For more information, visit www.tcs.com

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