



SYNNECT



TRANSVERGE™

Smart mobility that Understands every Journey.



TransVerge

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Connected Journeys. Predictive Flow. City-Ready Mobility.

Transverge™ is an intelligent mobility platform suite designed for cities, transport operators, and agencies to connect network data, automate complex operations, and deliver seamless multimodal journeys.

Built on a foundation of interoperability and cognitive automation, Transverge™ unifies ticketing, fleet, traffic, and passenger experience into a single ecosystem that promotes reliability, efficiency, and trust across the urban mobility landscape.

It enables transport systems to operate as a living network — sensing conditions in real time, predicting disruption before it spreads, and orchestrating responses that keep mobility moving safely and predictably..

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12
Years

Passion. People. Technology



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The Intelligent Mobility Shift

From Reactive Transport to Living Network Orchestration

Urban mobility is no longer defined by vehicles and routes alone. It is shaped by real-time demand, congestion, disruptions, passenger trust, and city-wide outcomes such as emissions, accessibility, and safety.

Traditional transport systems often operate in silos:

- Fleet systems see vehicles, not passenger outcomes
- Traffic systems see roads, not multimodal journeys
- Ticketing systems capture revenue, not network performance
- Planning systems work in cycles, not real-time conditions

When disruption occurs, response is frequently manual, delayed, and fragmented — leading to service instability, passenger frustration, and operational inefficiency. Transverge™ changes this by turning mobility into an intelligent, connected system.

It fuses network signals across modes, creates a live operational picture of the city's movement, and enables control centres and agencies to orchestrate the network proactively — not after service breaks down, but as conditions evolve. This is mobility designed for modern cities: **predictive, resilient, equitable, and city-ready.**

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Network Orchestration & Real-Time Operations

Network Orchestration & Real-Time Operations

Transverge™ empowers control centres to move from reactive incident handling to proactive network orchestration.

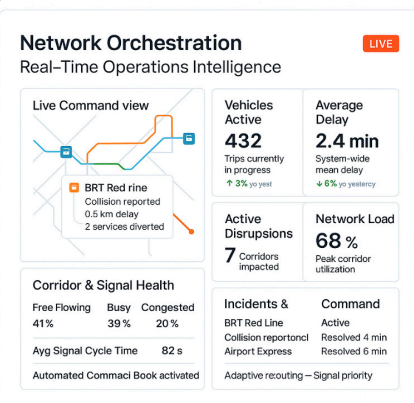
By fusing live vehicle locations, occupancy levels, signal states, and disruption feeds, it provides a real-time operational picture of the entire network. Teams can anticipate congestion, coordinate responses faster, and keep services moving even under pressure.

Capabilities include:

- Live command view of vehicles, routes, occupancy, and incidents across all modes
 - Automated response playbooks for diversions, disruptions, and special events
 - Predictive congestion alerts and corridor-level performance insights
- This enables faster response, higher service uptime, improved on-time performance, and stronger passenger trust.

Transverge™ treats every corridor as a dynamic system — continuously monitoring flow, identifying emerging pressure points, and recommending interventions before disruption cascades.

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Ticketing, Revenue & Passenger Experience

Unified Ticketing & Revenue Management

The Transverge™ Ticketing and Revenue Suite modernises fare collection by shifting from card-centric systems to account-based mobility.

It simplifies travel across buses, rail, micro-mobility, and on-demand services while giving operators a clear view of revenue flows and fare performance. AI-driven analytics help optimise products, promotions, and pricing strategies.

Capabilities include:

- Account-based ticketing with contactless, QR, and mobile wallet support across modes
- Configurable fare rules, caps, passes, and loyalty programmes in a single engine
- Revenue analytics and settlement across multi-operator and multi-region ecosystems

This reduces fare friction, improves collection integrity, enables seamless multimodal travel, and strengthens transparency across revenue sharing environments.

Operational & Service Workflow Automation

Transverge™ connects passengers to the network through a unified digital layer that makes public transport feel predictable, safe, and easy to use.

From journey planning and real-time updates to disruption handling and feedback, it supports a more human travel experience — one that builds long-term trust in the system.

Capabilities include:

- Real-time arrivals, occupancy, and disruption alerts on mobile apps and station displays
- Personalised journey recommendations considering walking time, transfers, and accessibility
- Feedback and service rating loops feeding directly into planning and service improvement

Passenger experience becomes measurable, optimisable, and responsive — not just serviced.

Data Fabric, Urban Intelligence & Automation

Mobility Data Interoperability & Integration

Modern mobility thrives on connected data. Transverge™ ensures interoperability between ticketing, fleet management, traffic systems, payment gateways, and city data platforms.

It supports open standards and secure APIs so that operators, partners, and innovators can plug into a consistent mobility data fabric.

Capabilities include:

- Standards-based integration with AFC, AVL, traffic, and third-party MaaS platforms
- Secure API ecosystem for partners, aggregators, and mobility-as-a-service providers
- Unified mobility data model linking services, passengers, assets, and geography

This enables a consistent intelligence layer across the mobility value chain while preserving governance, security, and operational integrity.

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Urban Mobility & Network Intelligence

With AI-powered analytics, Transverge™ transforms mobility data into actionable insights for urban planners and policy makers.

It analyses ridership patterns, emissions, corridor performance, and accessibility metrics to drive smarter investment and equitable transport strategies.

Capabilities include:

- Predictive modelling for route optimisation and network design
- Ridership forecasting and capacity simulation
- Emission, congestion, and safety heatmaps

This turns transport planning into evidence-driven, outcomes-based decision-making.

Operational & Service Workflow Automation

Transverge™ automates end-to-end mobility operations, reducing human error and increasing service uptime.

Capabilities include:

- Cognitive automation for dispatch, scheduling, and reporting
- Smart alerts for vehicle health, occupancy, and deviation detection
- Automated service performance reports and audit trails

Automation strengthens discipline, improves response speed, and ensures operational decisions are consistently executed.

Passenger Intelligence & Why Transverge™

Passenger Analytics & Predictive Insights

Transverge™ includes a Passenger Intelligence™ Dashboard that visualises ridership health and network well-being.

Through cross-analysis of ridership behaviour, dwell times, payment trends, and safety incidents, Transverge™ reveals hidden mobility patterns and predicts how network changes affect passenger outcomes — including on-time performance, affordability, and accessibility.

Capabilities include:

- Predictive analytics for passenger flow and travel satisfaction
- Risk and reliability scoring for routes and modes
- Behavioural segmentation for targeted policy interventions

This ensures decisions are not only operationally efficient, but passenger-aware and equity-aligned.

Why Choose Transverge™

Unified Mobility Intelligence

Transverge™ brings together buses, taxis, trains, and electric fleets into one intelligent ecosystem. By harmonising data across every layer of the transport value chain, it gives operators and cities a complete view of mobility performance, safety, and service delivery.

Additional differentiators:

- AI that anticipates, not reacts
- Interoperable by design
- Passenger-centred experience
- Resilience meets sustainability

Secure, complaint, and governed

Moving Humanity Forward

At its essence, Transverge™ reimagines movement as an intelligent, living system. It connects people, vehicles, and cities through data, AI, and empathy — transforming transport from a service into an experience of connection. Every route, every signal, and every journey contributes to a greater rhythm of urban life that is safer, smarter, and more sustainable.

Transverge™ is not only the future of mobility. It is the architecture of progress — where intelligence meets motion, and technology serves humanity in transit.



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