



CTAAS

CONN X CONNECTED TRANSIT AS A SERVICE

Powering the Future of Transit and Connected Communities

Key Benefits

Public Safety

- Panic alerting & geo-lockdown to protect riders and assets
- AI event detection & response for proactive threat mitigation
- Resilient, secure, and threat-ready infrastructure

Emergency Response

- Responder coordination with real-time routing and communication
- **Faster incident resolution through unified situational awareness**

Real-Time Visibility

- Live monitoring from edge devices across vehicles, depots, and stations
- Unified operational view for smarter decision-making

Operational Automation

- Energy and maintenance automation to reduce downtime
- Asset uptime optimization for reliable service delivery

Financial Insights

- Profitability and OPEX reporting to track ROI
- Labor and resource efficiency to maximize budgets

Use Case

- 🚨 Instant emergency alerts with smart responder routing
- 📺 One command center view of vehicles, depots, and stations
- 🔧 Predictive fault detection across electrical, HVAC, and critical systems
- 🛡️ AI-powered event detection for faster, safer public response

The Value Proposition

Transit agencies are under pressure to deliver safer, more efficient, and financially accountable services. ConnX provides a unified platform to enable:

- Real-time emergency communications
- Smart transit infrastructure management
- Predictive maintenance & energy optimization
- Financial visibility & process efficiency at scale

Why This Matters

Transit operations depend on safety, uptime, and financial sustainability. ConnX delivers an integrated solution that enables:

- Real-time coordination across vehicles, stations, and command centers
- Faster emergency detection and response
- Automated depot and facility operations
- Financial tracking of asset performance and operational spend

Core Capabilities

Safety & Emergency Response

- Vehicle and station panic alerting
- Mass notifications and geo-fenced lockdowns
- Real-time 911 and responder coordination

AI, Networking & Visibility

- AI observability across CAD/AVL, sensors, cameras
- Mobile edge routers and automated orchestration workflows
- Unified command center dashboard for IT/OT visibility

Maintenance & Infrastructure Health

- Predictive maintenance for HVAC, lighting, elevators
- Smart depot and terminal energy optimization
- Compliance automation for infrastructure health

Cost, Analytics & Efficiency

- Operational cost benchmarking across assets and routes
- Financial analytics and performance dashboards
- Process efficiency insights for service improvement



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ConnX Solution



Example Transit Applications

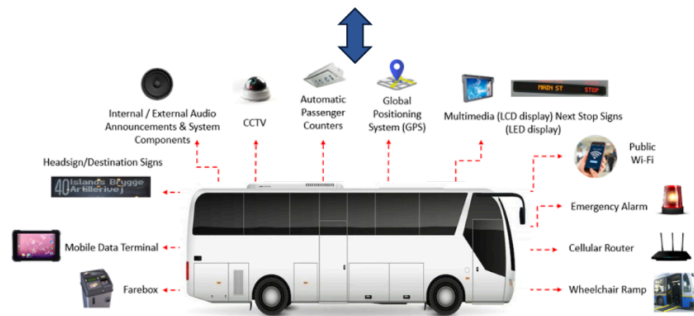


Problem

- Transportation customers consume services from multiple platforms that require management using individual portals
- Support organizations must log in to each platform to determine which one is causing service impairments
- Each platform must be accessed to generate reports which does not offer data correlation
- "Chatty" platforms produce millions of records daily complicating data analysis needed to determine business value

Challenge

- Each platform vendor will only offer orchestration for their own product line
- Customers will need to hire a staff of skilled DevOps personnel in order to consolidate and correlate APIs from each platform



Example Bus Subsystems

ConnX Solution

- ConnX Maestro can integrate with multiple applications and provide a consolidated view of analytics and status
- ConnX can also provide enhanced network security monitoring leveraging best of breed application such as Cisco Cyber Vision and Splunk
- ConnX provide edge monitoring of vehicle subsystems and network access services such as mobile carrier network performance
- ConnX can analyze via AI the "Chatty" platforms that produce millions of records daily and provide a more structured set of reports and status making it easier for staff to determine what is a critical issue requiring immediate attention

ConnX Maestro Command and Control Dashboard

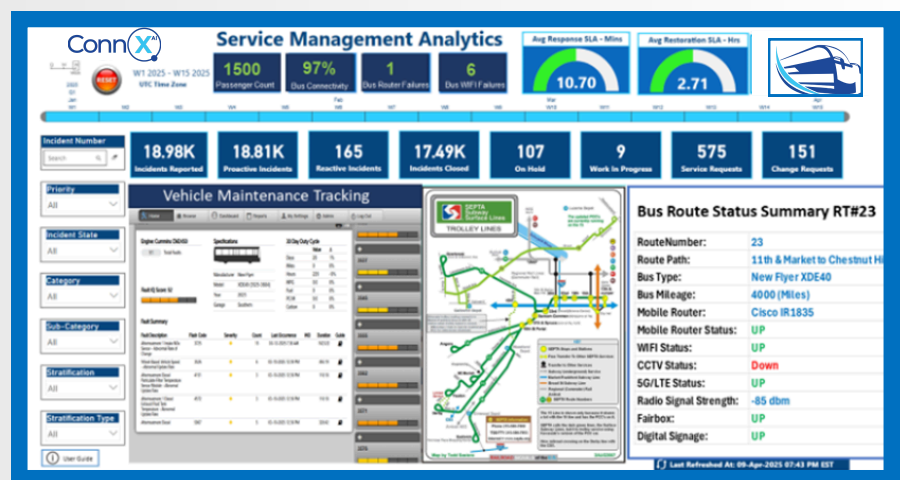
INTEGRATION OF MAESTRO WITH OPERATIONS CONTROL CENTER (OCC)

Unified Dashboard: All camera feeds, analytics, and alerts **Integrated & Correlated** into one view, allowing operators to:

- Monitor all vehicles, stations, and transit centers simultaneously.
- Instantly access live feeds of incidents flagged by analytics.
- Deploy emergency protocols directly from the OCC interface.

Automated Reporting: When an **event is detected**, ConnX Maestro provides:

- Real-time fault isolation
- Generate real-time incident reports.
- Track resolution and emergency response effectiveness.
- Post-event analysis to improve safety protocols.



Expected Outcomes:

- Streamlined command center operations, reducing manual oversight and improving response time.
- Real-time decision-making with immediate access to critical information.
- Improved accuracy and transparency in incident reporting, enhancing accountability.
- Proactive management of service disruptions and safety risks.



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