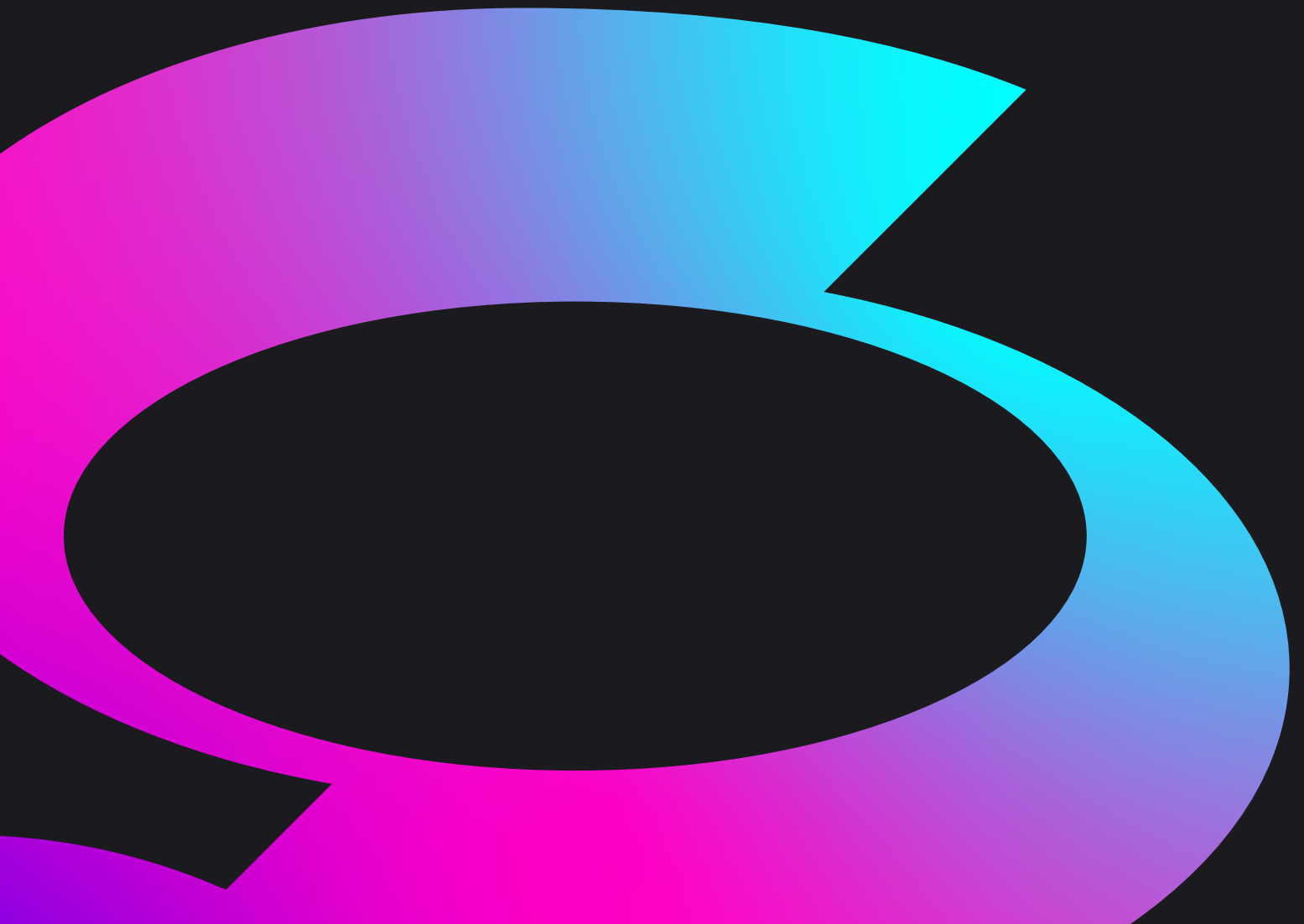




SOLUTION SHEET

Octave Databridge Pro for transportation





Introduction

Transportation organizations depend on a growing network of systems to manage assets, infrastructure, operations, safety and security, maintenance and passenger services. But critical information often remains trapped in disconnected applications, limiting visibility and slowing down processes. This makes it difficult to gain a complete picture of network conditions.

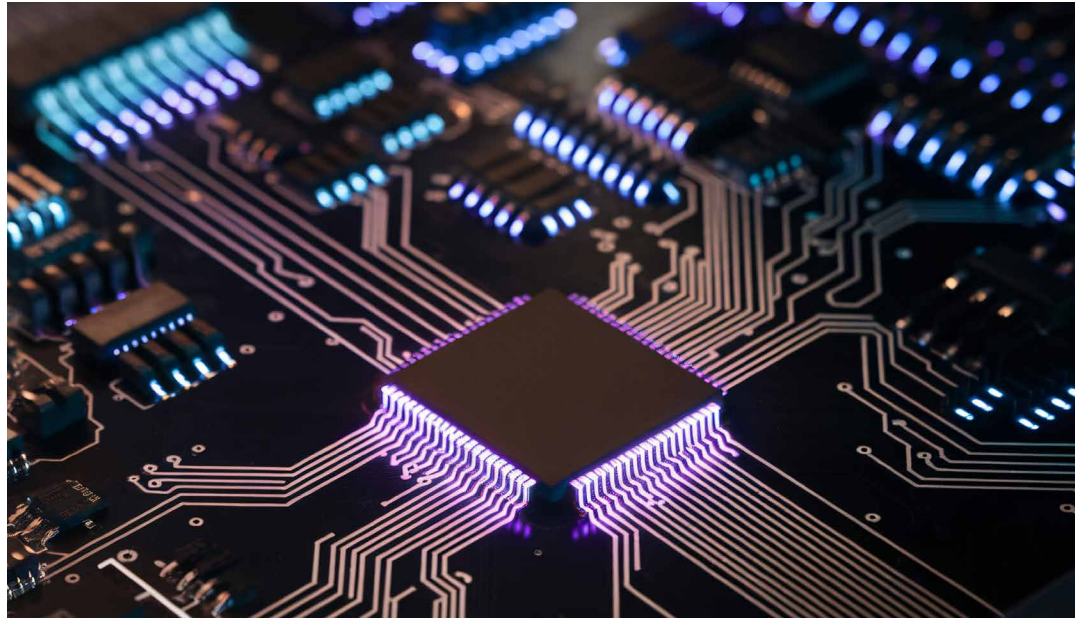
As rail operators, transit agencies, airports and transportation hubs continue to modernize operations, connecting data across systems is essential.

Octave Databridge Pro (formerly HxGN Databridge Pro) facilitates real-time information sharing among Octave solutions and third-party systems, helping organizations achieve a unified view of operations across their transportation ecosystems.

By transforming, validating and contextualizing data as it moves among systems, Databridge Pro strengthens situational awareness, streamlines operations and supports more informed decision-making.

Benefits

- 01** Connect transportation systems across the enterprise to create a unified operational view
- 02** Eliminate data silos between operations, security, asset management, GIS and business systems
- 03** Improve situational awareness with real-time information sharing across the transportation network
- 04** Enable faster and more informed decision-making with connected operational data
- 05** Automate the movement, transformation and validation of information between systems
- 06** Gain visibility into every stage of the data journey with centralized monitoring and governance



Key features of Databridge Pro

User-friendly interface

Create and manage integrations through an intuitive, no-code graphical interface. Databridge Pro enables transportation organizations to rapidly connect systems and automate workflows without extensive development resources, accelerating deployment and reducing complexity.

Comprehensive data management

Capture information from virtually any source, including enterprise applications, operational technologies, GIS platforms, IoT devices, sensors and cloud services. Broad connectivity enables transportation organizations to integrate diverse technology environments into a unified ecosystem.

Real-time event management

Support real-time awareness by automatically processing and distributing information as events occur. From rail incidents and asset alarms to security events and operational disruptions, ensure critical information reaches the right systems and teams without delay.

Full data journey visibility

Maintain complete visibility into how information moves throughout the organization. Built-in data lineage and auditing capabilities help transportation organizations track, verify and govern data across operational and business environments.

Advanced monitoring and analytics

Monitor integration health, identify anomalies and gain insight into system performance through centralized dashboards and alerting capabilities. Proactively manage complex transportation data environments.

Edge flow management

Collect and process information closer to the source while maintaining centralized oversight. This supports transportation environments where operational systems, infrastructure assets and remote facilities require local processing and real-time responsiveness.

Enterprise-grade security

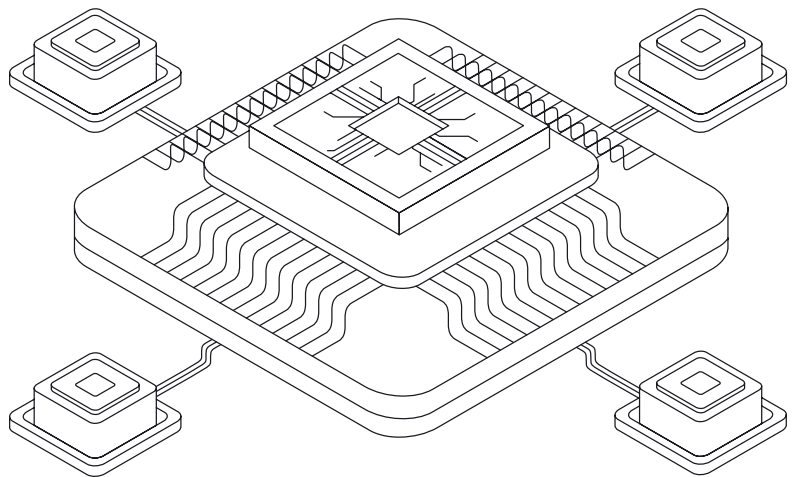
Protect operational and business data with comprehensive security controls, including encryption, authentication, certificate management and auditing capabilities that support regulatory and organizational requirements.

Scalable and highly available

Streamline the management of large volumes of operational data across rail networks, transit systems, airports and transportation hubs with a platform designed to deliver enterprise-grade scalability, resilience and reliability.

Built on proven technology

Leverage technology built on the proven foundation of Apache NiFi, a trusted enterprise-grade open-source platform for data integration and ingestion.

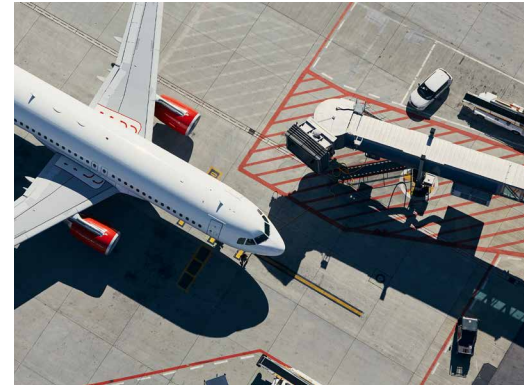


Transportation use cases



Connected rail

Create real-time, connected visibility of safety, security, asset management and operational information through unified geospatial operations, connecting events, incidents, assets and work orders on a geospatially positioned map.



Connected airports

Integrate security, maintenance, digital twin and operational systems to improve coordination, situational awareness and passenger operations.



Connected seaports

Link operational, security, asset management and logistics systems to create a unified view across port facilities.



Unified transportation command centers

Bring together information from multiple systems to improve collaboration, accelerate response times and support more informed decisions.

About Octave

Octave is a leader in enterprise software, turning data into decisive action and intelligence into your edge. Our software solves for and simplifies complexity, from the design and build to operations and protection of people, property and assets – for any scope, at any scale. For decades, we've partnered with customers to sharpen performance, elevate efficiency and amplify results. From factory floors to entire cities, our solutions are tuned to scale up what's possible from day one onward.

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More information at octave.com