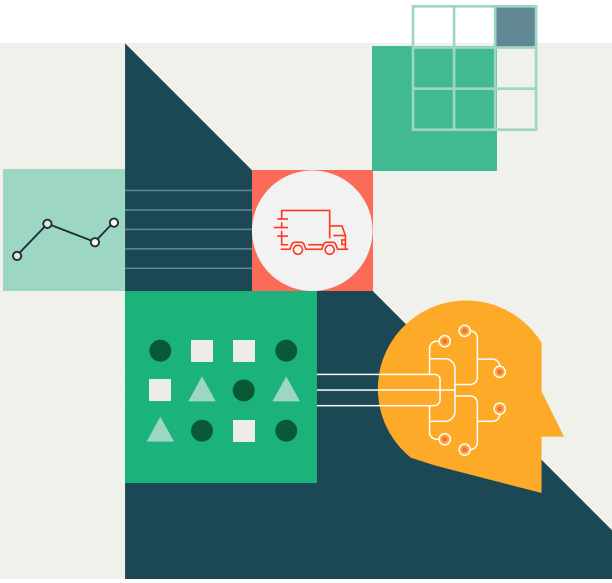
Delivering safer, cleaner and more reliable transportation through Data + AI



Creating smarter and more innovative transportation systems starts with harnessing the potential of data and machine learning. Databricks Lakehouse provides transit and aviation agencies with a centralized platform to easily uncover actionable data insights and leverage AI to provide a better transportation experience.

Leading transportation organizations power innovation with Databricks Lakehouse

U.S. Department of Transportation

USDOT provides a unified view into data to enable both analysts and data scientists to quickly find insights and share models for decision making.

VDOT Virginia Department of Transportation

VDOT centralizes various data sources to extract accurate insights to improve safety conditions, mobility and asset management processes.

SFMTA

SFMTA unifies data and analytics to support taxi system regulation.

Navigating the future of transportation and aviation

Across the transportation landscape, data and AI is providing the insights and predictive capabilities to personalize transit experience, automate asset management lifecycles and improve traveler engagement.

PUBLIC TRANSPORTATION OPTIMIZATION

- Better route planning and fleet allocation
- Demand prediction and improved transportation services

TRAFFIC MANAGEMENT

- Real-time insights into traffic patterns and congestion
- Dynamic signal control systems for improved traffic flow

ROAD SAFETY AND ACCIDENT PREVENTION

- Identification of high-risk areas and accident-prone locations
- Targeted safety measures and infrastructure improvements

TRANSPORTATION PLANNING AND INFRASTRUCTURE

- Analysis of historical transportation data to predict demand and travel patterns
- Informed decision-making for infrastructure improvement and future projects

ENVIRONMENTAL IMPACT ASSESSMENT

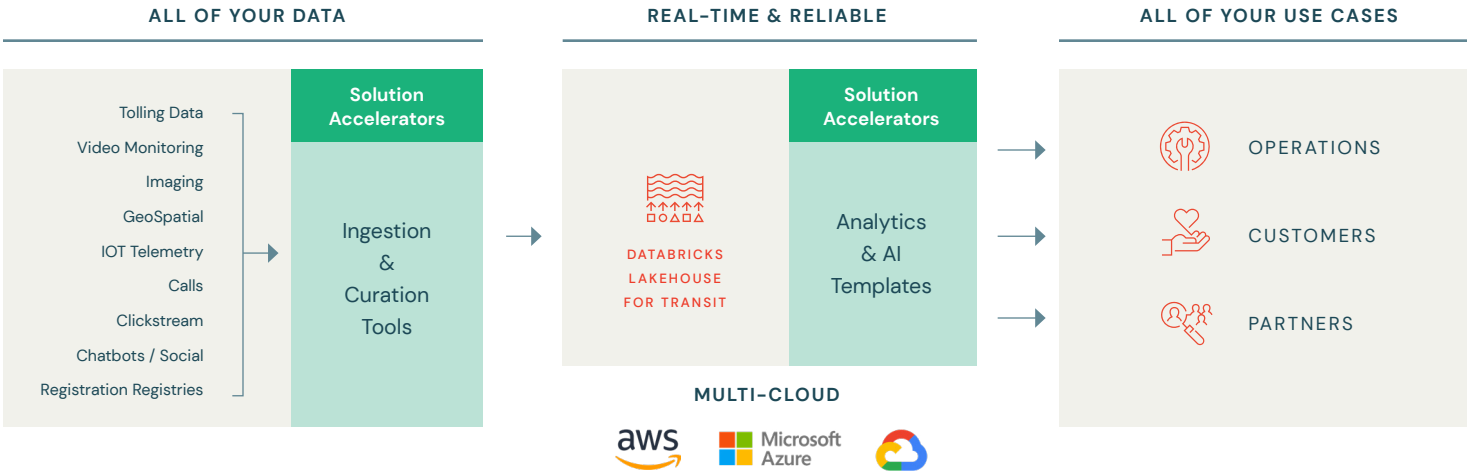
- Analysis of traffic fuel consumption and environmental impacts
- Reduce emissions and promote sustainability

PREDICTIVE MAINTENANCE AND ASSET MANAGEMENT

- Proactive maintenance scheduling
- Anomaly detection to optimize equipment performance

Improve traveler and employee experiences with the transit lakehouse on Databricks

Bring together all of your transportation data in to a single, open and collaborative platform, that supports all of your data, analytics and AI workloads, from data engineering to business intelligence and data science.



Why Databricks for Transportation and Aviation

Modernize your data analytics

Leverage the scale of the cloud and democratize secure access to data to enable downstream BI and AI use cases

Deliver on critical initiatives effectively and efficiently

Uncover actionable insights in real-time and make informed decisions to better serve and protect communities

Create better experiences for communities

Bring disparate data sources together and automate processes to accelerate the improvement and delivery of citizen facing services.

Databricks customers include:

Hartsfield-Jackson Atlanta International Airport · California Department of PublicHealth · U.S. AIR FORCE · County of Los Angeles California · Texas A&M Transportation Institute · Heathrow Making every journey better · J.B. HUNT · United States Postal Service

To learn more, visit us at
dbricks.co/state-local-government