

Turn mobility data into operational value.

MobiStream connects vehicles, sensors, traffic infrastructure and enterprise systems in a single event data lake, and turns fragmented data into APIs, operational applications and AI-powered services.



How it works

Your data sources

Event streams from vehicles, IoT sensors over MQTT, DATEX II traffic feeds, infrastructure, ERP and TMS, third-party APIs

MobiStream

Event data lake

Collects every stream, normalizes it and keeps live events and full history in one place

What you get

APIs, dashboards, operational applications, customer-facing services, AI assistance

What MobiStream does



Collects event streams from any source

Ingests events from IoT devices over MQTT, traffic feeds in the European DATEX II standard, vehicles, infrastructure, enterprise software and legacy systems, whatever the provider.



Builds a single event data lake

Normalizes heterogeneous streams into one data model and keeps live events next to their full history, so data can be combined and analyzed across sources.



Delivers it where it is needed

Distributes data to operators, applications and partner platforms through secure APIs and real-time services, and powers dashboards and customer-facing products.



Adds operational intelligence

Combines live alerts and asset history with manuals and procedures to support diagnosis and decisions, and lets operators query data in natural language.

Where it applies

Smart mobility and public infrastructure

- Traffic information services
- Parking and public transport
- Road infrastructure monitoring
- Regional mobility data platforms

Fleet and logistics

- Connected vehicles
- Fleet operations and routing
- Maintenance planning
- ERP and TMS integration

Connected industrial assets

- Construction and off-road equipment
- Airport and port equipment
- Machinery and distributed assets
- AI-assisted technical support

Technology providers

- Sensor manufacturers
- Telematics and vehicle-data platforms
- Computer vision providers
- Integration into larger solutions

Proven in production

GArt infomobility platform for ACI Mobility

Collecting and distributing traffic data for Italian regions, without interruption, since 2016.

2016

In continuous production since

15+

Regional and motorway data sources integrated

0

Critical outages in ten years

2M+

Downloads of RESTHeart, the open source engine behind MobiStream

Let's build larger mobility solutions together.

You bring the specialized technology: vehicle data, sensors, telematics, computer vision. We integrate it with the rest of your customer's ecosystem and build the data, backend and application layers around it.

SoftInStigate

Mobility solutions and partnerships

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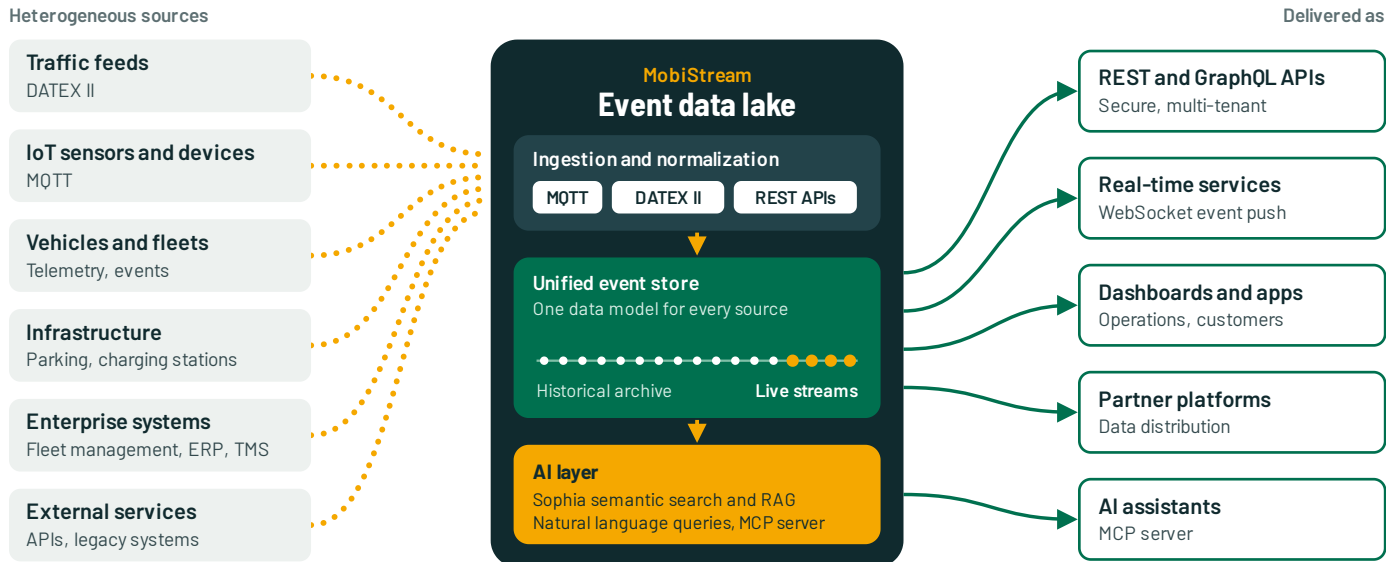
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Architecture and specifications

Architecture overview



Data integration

Model	Event data lake fed by streams from heterogeneous sources
IoT and devices	MQTT
Traffic data	Native DATEX II, the European standard for traffic data exchange
Location	TMC location referencing and geocoding
Enterprise	Fleet management, ERP, TMS, external APIs

AI intelligence layer

Engine	Sophia: semantic search and RAG over manuals, procedures and enterprise documents
Inputs	Telemetry and alerts, asset history, technical knowledge
Integration	MCP server for AI assistants and agents
Languages	3+ (extensible)
Predictive	Traffic and weather cross-correlation analytics

[Roadmap](#)

APIs and services

Interfaces	Secure REST and GraphQL APIs
Real time	WebSocket services for live event distribution
Security	Authentication, authorization, token-based access (JWT)
Tenancy	Multi-tenant access for operators, partners and clients
Extensibility	Custom business logic as plugins

Deployment and operations

Hosting	Cloud or on-premises
Data store	Live events and historical archive on MongoDB, any supported version
Architecture	Production-ready, designed for mission-critical systems and long-term operation
Foundation	RESTHeart open source platform, 2M+ downloads

Reference deployment: GArt, ACI Mobility

- DATEX II integration for public mobility services in Italian regions
- Real-time ingestion and normalization of 15+ regional and motorway sources
- In continuous production since 2016, zero critical outages in ten years