Connected Fleet

End-to-end comprehensive and innovative solutions and services to enhance vehicle performance, safety, and efficiency

Microsoft Partner
Azure Expert MSP
Microsoft

Microsoft
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Microsoft Cloud

Atos

Connected Fleet

Integrate Your Connected Fleet on One Powerful solution to Optimize Performance
Atos Connected Fleet offers a proven solution for overseeing and optimizing a company's fleet of vehicles at scale.

Customer Challenge

- Managing fuel, maintenance, and insurance expenses.
- Maximizing efficient fleet use.
- Prioritizing safety and well-being.
- Reducing carbon emissions and eco-friendly practices.
- Supporting drivers and monitoring performance.
- Adhering to vehicle safety, emissions, and driver regulations.
- Continuously monitoring vehicle locations for compliance and optimization.

Atos Offering

- Efficient fleet management is crucial for businesses with a connected fleet.
- Atos's state-of-the-art solution optimizes fleet performance, safety, and efficiency.
- It provides real-time vehicle monitoring, including location, speed, and status.
- Insights into driver behavior, fuel consumption, and maintenance enhances decision-making.
- The solution accelerates Go-to-Market timelines with reference architecture and ready-to-use building blocks.

Outcome

- Real-time fleet Management
- Optimize fleet TCO and Performance
- Reduced downtime through predictive maintenance
- Improved driver and vehicle safety and security

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Benefits of Connected Fleet

Improved Operational Efficiency and Customer Experience

A suite of modular and end-to-end solutions for real-time monitoring of fleet location, speed, and status. Effortlessly optimize operations and reduce fuel consumption to enhance overall fleet productivity.

Benefits

Optimize Fleet TCO and Performance

- Vehicle Health Monitoring
- Drive Time Management
- Driver Behavior Monitoring and Insights
- Driver Eco Scorecard
- Driver Fuel Report
- Fleet Fuel consumption monitoring
- Vehicle / Fleet Utilization
- Fuel Benchmarking
- Vehicle Performance Monitoring
- CO2 emissions monitoring
- Fleet KPI Monitoring

Real-Time Fleet Management

- Real-time Vehicle Track and Trace on Map
- Vehicle Health Monitoring
- Alerts and Notifications
- Corridoring /Geo-fencing based on route traversed /POI
- Two-way communication between Driver and Fleet Manager
- Infringements Tracking
- Telemetry data management - publishing, ingestion, storing, reporting
- EV Battery Charge Status

Add-on services and User experience

- Location-based services
- In-vehicle web apps
- Auto provisioning
- Voice command integration
- Digital Manual
- Dealer Maintenance Scheduling
- Navigation Services
- Remote Vehicle services (locking / unlocking / AC on/off…)
- Over the air S/w updates,

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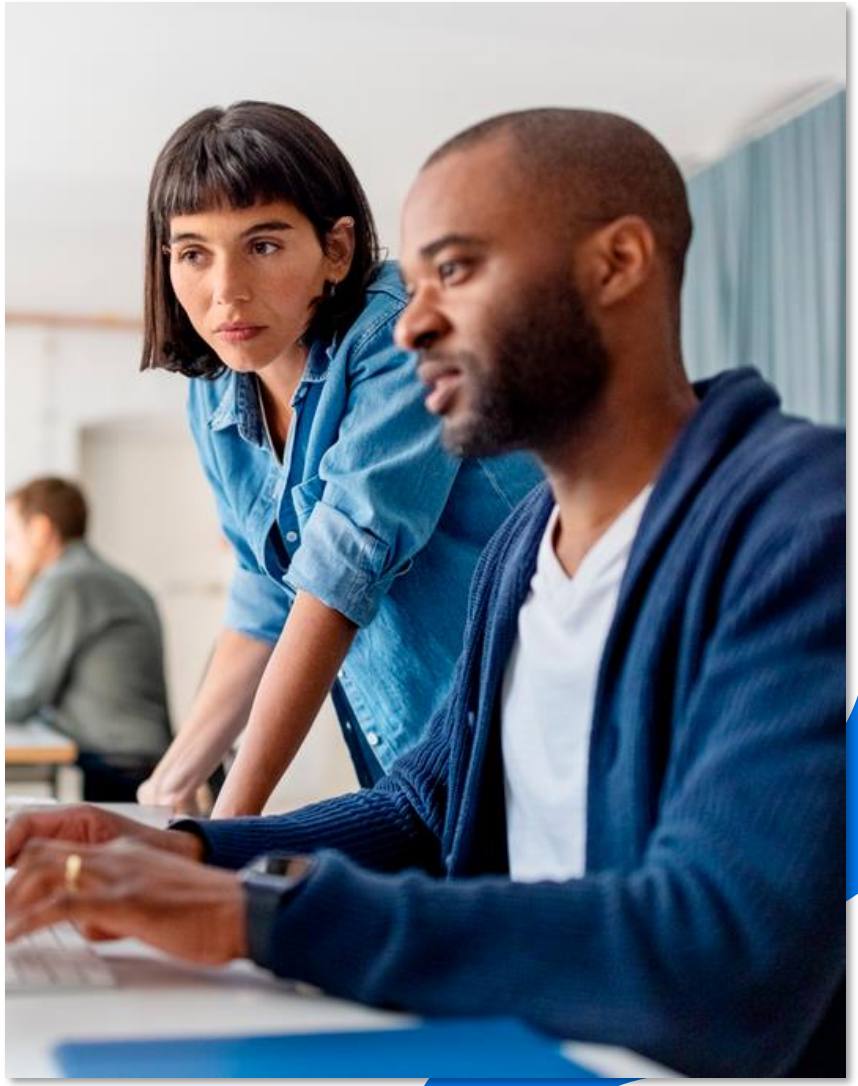
Microsoft Value of Atos Connected Fleet solution and services

The power of Microsoft Azure

Atos Connected Fleet solution on Microsoft Azure helps customers overcome the challenges of scalable platforms, processing and managing large volumes of real-time data securely and cost-effectively for optimizing fleet TCO & performance and providing 24/7 reliable services.



Microsoft Value

Scalability with AKS and Event Hub

- The solution supports a large fleet of approx. 100K+ Trucks and multiple fleet owner users with its scalable platform based on AKS and Event Hub
- Managed services provide on-demand scalability and throughput based on demand, enabling scalability

Data Store

- Managed Data stores like HD Insight and Azure Postgres SQL provide a scalable and performant database to store connected vehicles data
- Azure Blob store provides scalable and cost-effective long-term storage for IoT data
- Azure EventHub for data streaming

DevOps

- Azure DevOps provides a complete tool set to manage development and operations
- Provides task management, Source control, and pipelines to deploy on cloud environment.

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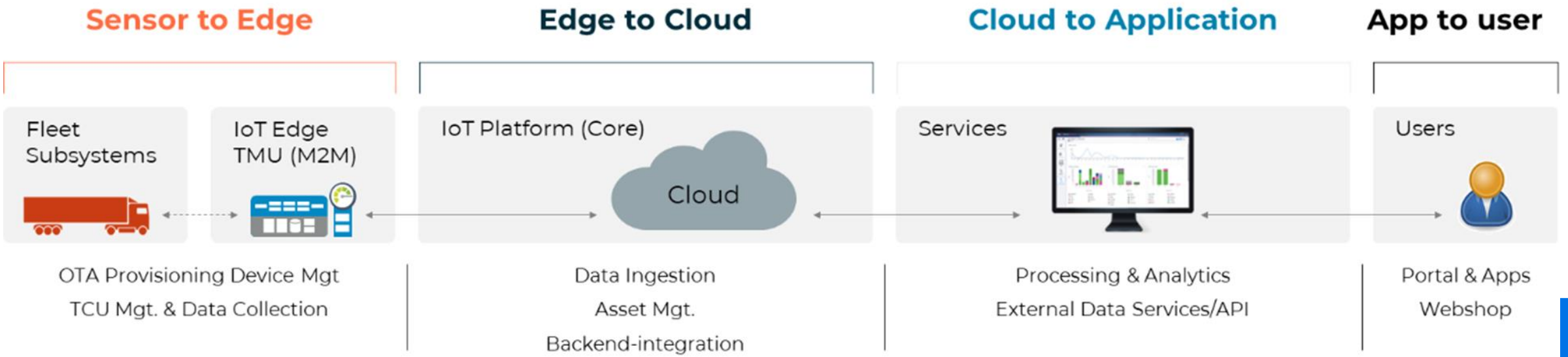
Connected Fleet Solution High Level Architecture



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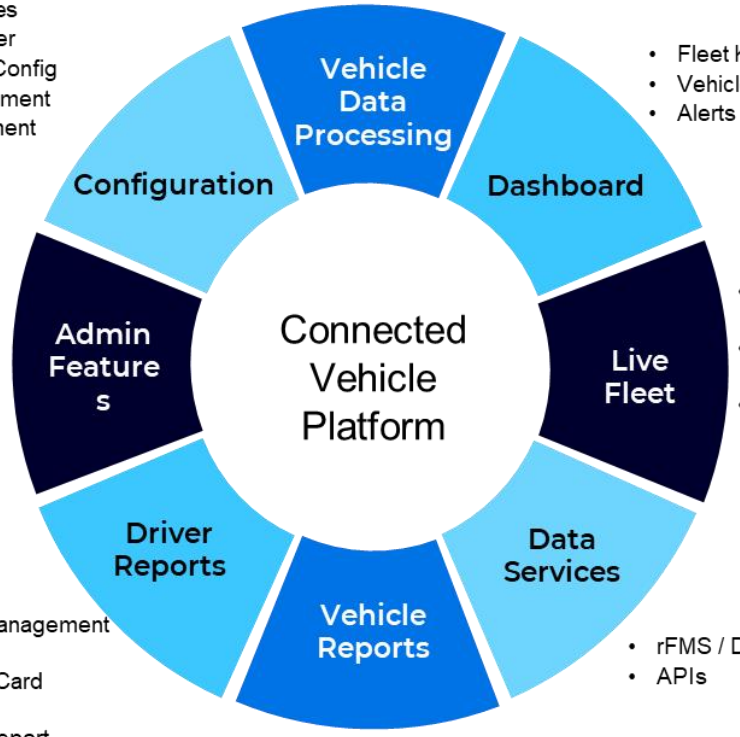
Connected Fleet Solution Benefits

- Alerts and Notifications
- POI & Geofences
- Report Scheduler
- Vehicle Health Config
- Vehicle Management
- Driver Management

- Diesel Trucks
- Battery Electric Trucks

- Fleet KPIs
- Vehicle Utilisation
- Alerts

- Organization Details
- Vehicle Visibility & Access Control
  - User Group & Role Management
  - Vehicle Group Management
  - 3rd Party Onboarding
- Package & Subscription

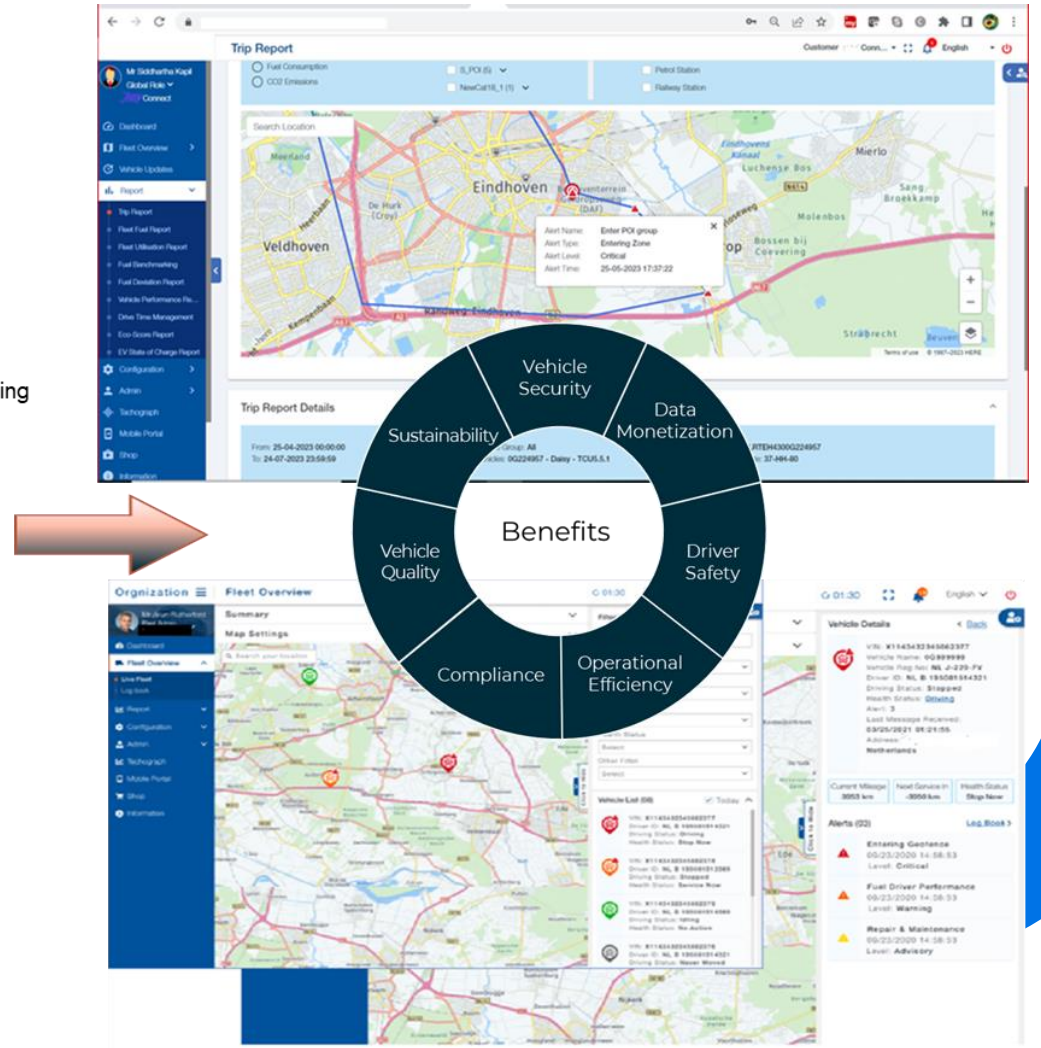


- Live Vehicle Tracking on Map
- Vehicle Health Monitoring
- Logbook, Alerts

- Drive Time Management Report
- Driver Score Card (Eco Score)
- Driver Fuel Report

- rFMS / Data Services
- APIs

- Trip Report
- Fleet Fuel Report
- Fleet Utilisation Report
- Fuel Benchmarking
- Fuel Deviation Report
- Vehicle Performance Report



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Customer Success

A Large US Truck Manufacturer

Eviden developed a highly scalable next-generation telematics platform based on the Azure IoT stack. The platform uses a rules engine and complex events processing module to predict future truck breakdowns by leveraging the Azure machine learning module.

Solution-delivered notifications (via mobile app, SMS, and email) to fleet owners, drivers, and nearby dealers/car shops based on failure criticality after doing alert analysis.

Reduced unplanned vehicle downtime

Predictive analytics helps in preventive maintenance empowering drivers and fleet owners to predict issues, prevent downtime, and minimize maintenance costs.

Optimized warranty cost

Integrate failure analytics data and use vehicle telematics information to provide insights to the engineering department to strengthen vehicle component quality.

Reduced emissions

Reducing emissions by identifying vehicle potential issues before they become significant problems as well-maintained vehicles operate more efficiently more fuel-efficiently.

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Customer Success

A Dutch Truck Manufacturing Company

Eviden has developed a robust, scalable, modular connected truck solution on Azure by using its reference architecture. The solution helps clients generate recurring service revenues and increased uptime through remote fleet operation.

The solution supports clients to provide services, that help fleet Owners/managers with real-time visualization of the whole fleet including end-to-end data analytics covering vehicle health status with alerts and notifications, Tracking driver behavior for Fuel efficiency, speed, braking Trip Data analytics for calculating driver eco-scorecard, trip tracking and insights into CO2 emissions.

Optimized fleet performance

Real-time monitoring of fleets/vehicles, tracking of driver behavior, fuel efficiency, and remote fleet operations help fleet owners/managers increase operation efficiency.

Recurring revenue

Solution helped fast integration and onboarding of 3rd parties and clients, to create a strong ecosystem of digital partners and enablement of digital services revenue via subscription management.

Improved customer experience

The solution enabled end customers to upgrade vehicle software over the air without visiting a dealer.

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Insert your offer details/slides here. The marketing team will assist with design and branding.

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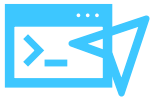

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