



# CameraMatics

AUTOMATE SAFETY AND PERFORMANCE



[CAMERAMATICS.COM](https://CAMERAMATICS.COM)



# CONTENT OVERVIEW

## 1. WHY US

- ▶ Our mission
- ▶ Our platform
- ▶ Innovating2Zero
- ▶ Vehicle type

## 4. EV TRANSITION

- ▶ ICE Vehicles Carbon Reduction
- ▶ Electric Vehicle Suitability Assessment
- ▶ World's Largest EV Performance Data Set
- ▶ EV Data Beyond GPS Tracking
- ▶ EV Management
- ▶ EV Charge Assurance Dashboard

## 2. SAFETY

- ▶ Blind Spot Information System
- ▶ Driver Monitoring System
- ▶ Safety Centre
- ▶ Driver Coaching

## 5. COMPLIANCE

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- ▶ Safe Systems
- ▶ For Any Vehicle Type

## 3. PERFORMANCE

- ▶ GPS Tracking & IOT Dashboards
- ▶ Asset Utilization Monitoring
- ▶ Fleet Idling
- ▶ Fuel Usage
- ▶ Maintenance Report & Reminders

## 6. INSURANCE

- ▶ Risk Profile Management & Reporting
- ▶ FNOL & Digital Claims Management



The Internet of Things, for us, is an opportunity to speed up, deepen and enrich the critical collaboration between often remote and mobile teams. It should empower people.

# 1

**WHY US**



# OUR MISSION



**We are** here, we exist, to empower drivers and their supporting teams, from fleet and safety managers, trainers, engineers through to insurers.

**Empowering** our customers, **our drivers** with intuitive, simple yet configurable design to enable them to reap the maximum benefits in their diverse and unique businesses.

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WE AUTOMATE SAFETY AND PERFORMANCE FOR COMPANIES THAT OPERATE VEHICLES & A MOBILE WORKFORCE

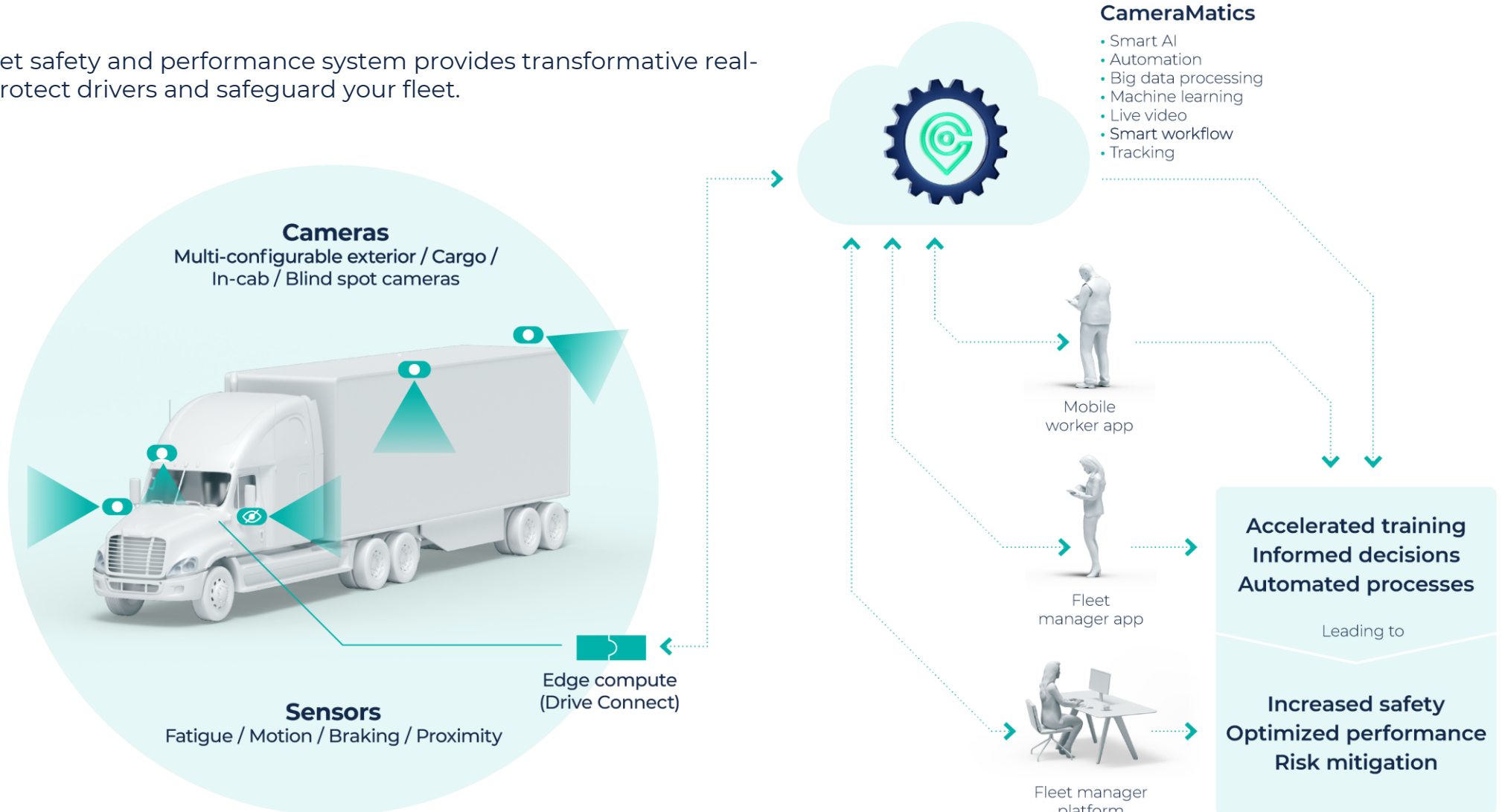
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# WE BEGAN CONNECTING FLEETS

Our intelligent fleet safety and performance system provides transformative real-time support to protect drivers and safeguard your fleet.





# BUILT A UNIQUE MARKET OFFERING

companies

5,250,837 collisions pa.(US). Focus on **Collision Avoidance** and **Risk Reduction** to save lives

**Compliance** with safety initiatives and regulations like **Vision Zero** and **Driver Hours Mandates**

**1,000,000+ Qualified Drivers** Needed worldwide Retaining existing drivers

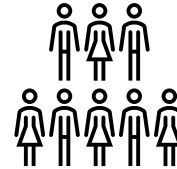
**Nuclear Verdicts, Surging Operational Costs and Claims.** Rising Fuel prices.

**Sustainability** and **ESG** credentials increasingly demanded by investors and customers

## SAFETY & COMPLIANCE



## PERFORMANCE



## SUSTAINABILITY



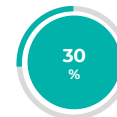
CameraMatics

AI Cameras, scanning technology and automated driver coaching **prevent collisions**

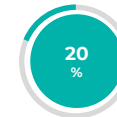


Digital workflows and automated driver coaching accelerate learning and mitigate risk

Customers that take action on our insights, could see



Drop in fuel usage



Drop in claims

ESG aligned reporting insights allow you to **manage your sustainability goals** and facilitate EV transition



## ON A SCALABLE PLATFORM

### Video-Based Safety

- Real-time AI detection in vehicle
- 360 predictive collision detection
- Real-time driver feedback
- Driver safety coaching
- Cloud-based video retrieval

### Vehicle Telematics

- Mileage & real-time GPS tracking
- Harsh braking / cornering detection
- Vehicle diagnostics and maintenance
- EV & Fuel tracking & reporting
- Vehicle idle time

### Apps & Driver Workflows

- Electronic documents
- Routing and dispatch
- Compliance (ELD, Tachograph, Hrs of Service, Vehicle inspections)
- Mobile forms & workflows
- Driver messaging

### Asset Monitoring

- Location & theft monitoring
- Utilization reporting
- Status monitoring and alerting
- Geofencing
- Refrigerated trailer and cold chain monitoring

### ESG

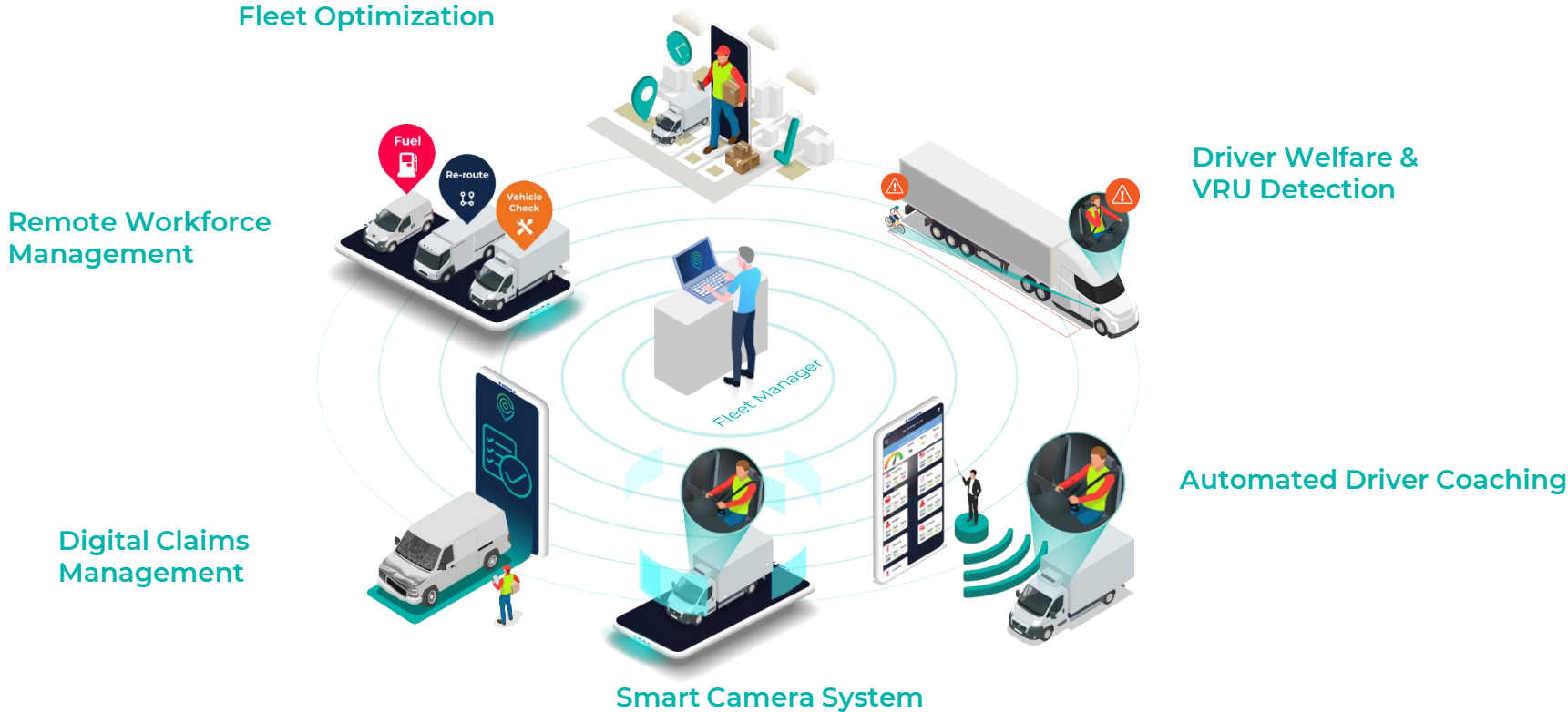
- Wear and tear analytics
- Eco-driving style tracking
- Scope 1, 2 & 3 Emissions Monitoring
- Preventative maintenance
- Automated safety compliance & reporting

Simple annual subscription



# ONE PLATFORM, BETTER VISIBILITY, BETTER OUTCOMES

- DRIVER EMPOWERMENT
- +
- FULL & INSTANT VISIBILITY
- =
- LESS RISK  
BETTER COMPLIANCE  
IMPROVED DATA



Manage risk by utilizing connected cameras, compliance, AI & telematics, in a single package to collect, store and analyze data to help identify potential safety and performance issues.

Enhance safety and enable drivers to become the best road users they can be and ensure compliance while helping to control costs and meet sustainability goals.





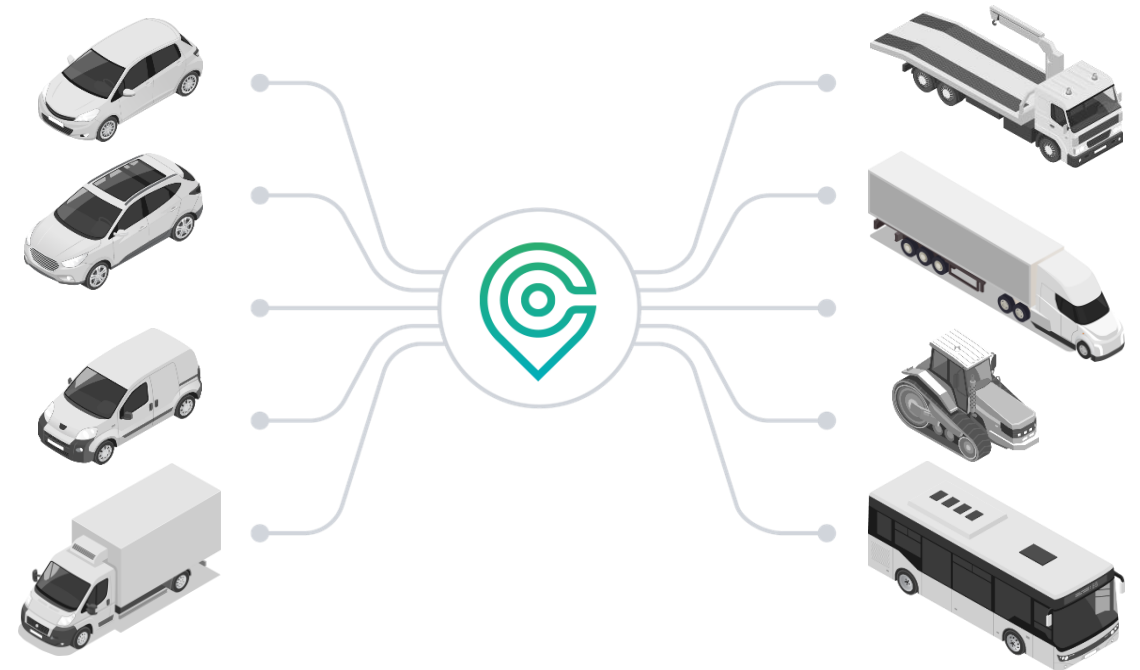
# INNOVATING 2 ZERO





## SUPPORTING ALL VANS, TRUCKS, COACHES AND MOBILE PLANT

- We use the same telematics device for ICE (Internal Combustion Engine) or EVs, making changing between vehicles a simple process.
- Our adjustable next-generation AI cameras can be fitted to any vehicle or mobile plant.
- Our connected SaaS cloud delivers remote safety and performance insights in real time.





# KEY FEATURES BY PILLAR



## SAFETY

- Blind Spot Information System
- Driver Monitoring System
- Safety Centre
- Driver Coaching



## PERFORMANCE

- GPS Tracking & IOT Dashboards
- Asset Utilization Monitoring
- Route Optimization
- Fleet Idling & Fuel Usage
- Maintenance Report & Reminders



## DECARBONIZATION & SUSTAINABILITY

- Fuel and Emissions Monitoring
- EV Suitability Assessment
- EV Management
- EcoSafe Driving
- Green Fleet Dashboard



## COMPLIANCE

- Hours of Service (ELD)
- Scope 1,2 & 3 Emissions
- Regulatory & Accreditations



## INSURANCE

- Remote Accident Reporting
- Claims & FNOL
- Event Data Recorder



## INTEROPERABILITY

- Camera Integration
- API integration
- Single Pane of Glass



“

Mobility systems truly based on safety will have a holistically beneficial impact on our health; our environment; on reducing the social and economic toll taken by road safety tragedies.

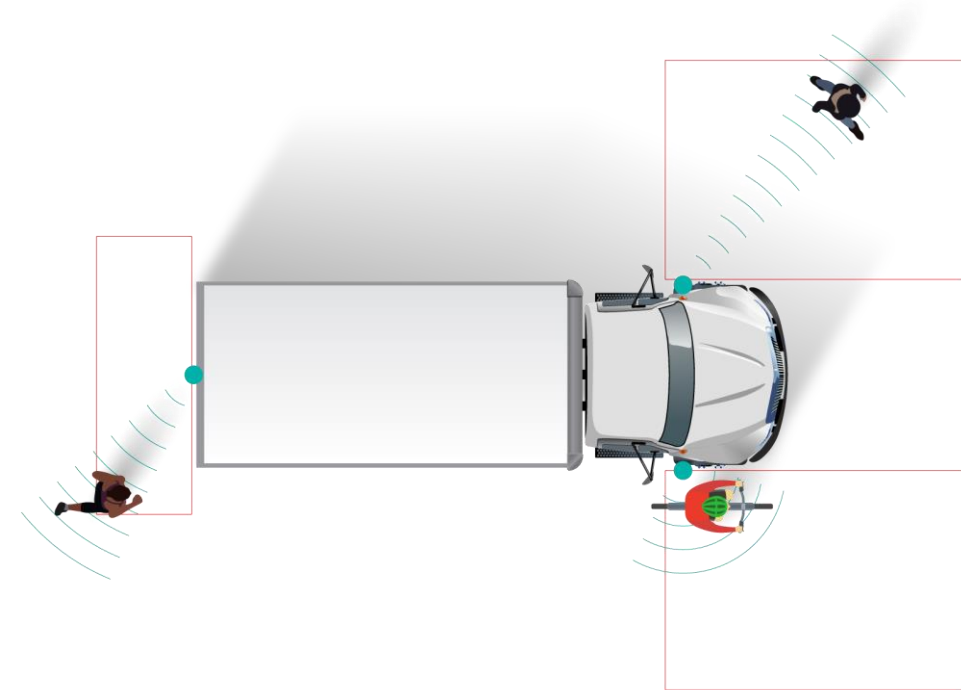
World Health Organization,  
Oct, 2021

## 2 SAFETY



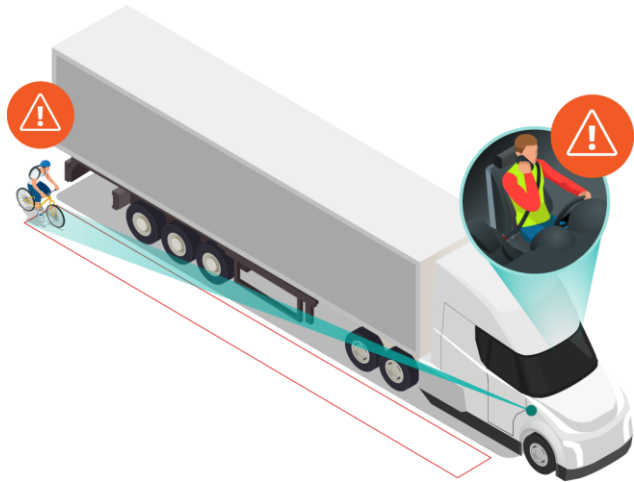
# BLIND SPOT INFORMATION SYSTEM

- A system that warns the driver of pedestrians or cyclists moving adjacent or crossing in front.
- Deep learning algorithms scan for humans and filter out road furniture alerting drivers only to genuine risks.
- Ruggedized external AI cameras provide full coverage of risk zones. With adjustable detection zones of up to 30 meters.
- In low-speed, high-risk maneuvers acts as Moving Off Information System (MOIS)
- Improves driver reaction times and helps eliminate accidents.





## DRIVER MONITORING SYSTEM (DMS)



- A system to assess the driver's alertness recognizing signs of distraction or drowsiness and warning the driver, if necessary.
- AI tracks the driver's eyes and head position signaling when signs of fatigue are detected.
- Detects smoking and phone usage.
- Only records when the driver triggers it, or an incident occurs.
- Snapshots of events inc. the time and location sent to fleet managers for review and data incorp. into driver score metrics.
- Improves driver reaction times and helps eliminate accidents.



# SAFETY CENTRE

- Safety Centre translates vehicle telematics data and auto-captured camera footage into powerful insights.
- Automate processes such as driver coaching, accident reporting, maintenance checks, and delivery confirmations.
- Centralized fleet safety performance data provides real-time visibility into driver activity and behavior.
- Monitor driver scorecards & performance and laser target driver coaching initiatives to deter risky driving habits and reduce claims and operating costs.
- Implement best in class driver safety programs, to deter risky driving habits and reduce claims and operating costs.





# DRIVER COACHING



- Powerful real life video evidence of events such as driver distraction and fatigue, and aggressive driving such as hard braking or cornering automatically flagged & shared to driver app for review.
- Driver empowered to take responsibility for their own learning with self-reflective quiz providing insights into how their personal strengths and weaknesses may be contributing to higher risk behaviors.
- Followed by a comprehensive range of coaching modules that focus on helping drivers to make small changes that will reduce their chances of being involved in an incident.
- Promote a learning and safety culture.





Optimize fuel efficiency and reduce wear and tear. Manage, view, and automate your fleet operations with complete visibility.

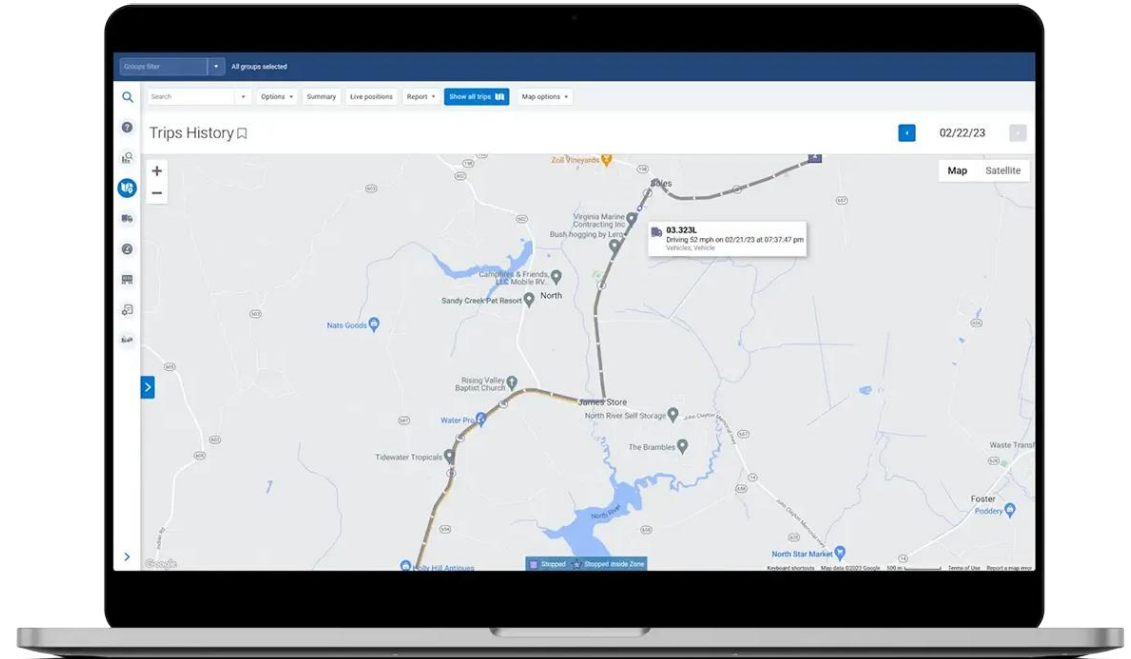
**3**

**PERFORMANCE**



# GPS TRACKING & IOT DASHBOARDS

- Control fuel, improve safety, and optimize efficiency to achieve your sustainable operations goals.
- Real-time vehicle tracking, fleet monitoring & live view allows you to identify depots, vehicles or drivers that need attention.
- Set fuel cost, mpg or mileage targets for depots, teams or individuals and track vehicle utilization, fill ups, fuel used and MPG.
- Estimate ETAs, adjust proposed trips, and keep shipping and other activities on time.
- Let customers track the progress of their goods to improve their experience & reduce inbound customer enquiries.





# ASSET UTILIZATION MONITORING

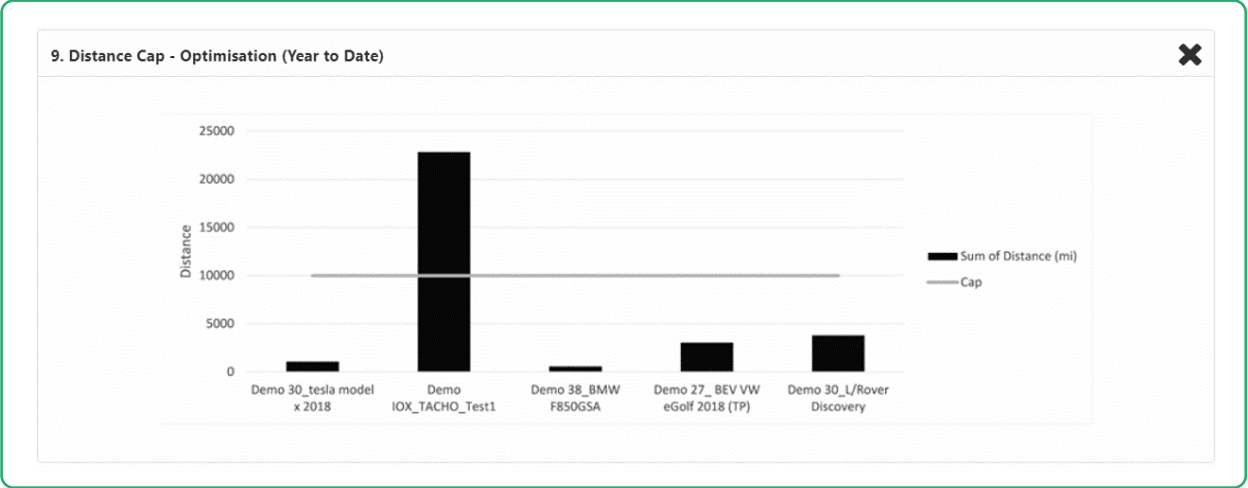
Most Utilized Vehicles					
Vehicle	Days Driven	Vehicle	Drive Time	Vehicle	Mileage
1 Demo 16_Honda_CF	7	Demo 25_Chevrolet	31:09:51	Demo 15_Volkswag	5769.68
2 Demo 18_Volvo_XC	7	Demo 41_Hyundai_I	12:47:44	Demo 25_Chevrolet	429.51
3 Demo 25_Chevrolet	7	Demo 18_Volvo_XC	11:18:30	Demo 18_Volvo_XC	394.87
4 Demo 33_Mini-Coop	7	Demo 33_Mini-Coop	10:44:19	Demo 41_Hyundai_I	335.35
5 Demo 39_Hyundai_E	7	Demo 40_Jaguar_XE	08:41:28	Demo 34_Audi_A2_I	296.21

Least Utilized Vehicles					
Vehicle	Days Driven	Vehicle	Drive Time	Vehicle	Mileage
1 Demo 03_Volkswag	2	Demo 03_Volkswag	00:15:41	Demo 24_Chevrolet	7.67
2 Demo 10_Toyota_Hi	2	Demo 24_Chevrolet	01:18:41	Demo 03_Volkswag	14.73
3 Demo 24_Chevrolet	2	Demo 05_Porsche_P	01:43:10	Demo 05_Porsche_P	26.19
4 Demo 01_FIAT_500	3	Demo 13_Honda_S2	01:58:46	Demo 10_Toyota_Hi	26.75
5 Demo 42_Volkswag	3	Demo 11_Ford_Esc	02:22:53	Demo 13_Honda_S2	51.10

Quick overview of the five most and least utilized vehicles.

- Route optimization
- Fuel/mileage trends
- EV state-of-charge
- Vehicle Idling



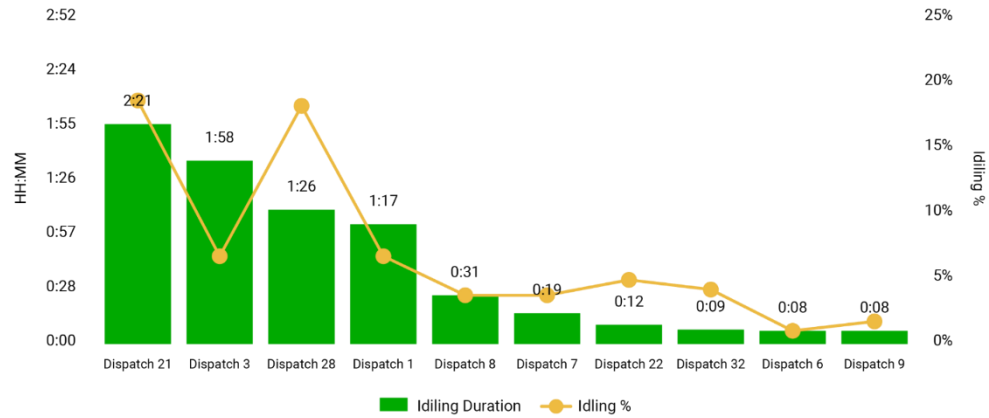
Customers have an annual mileage cap. can set the mileage cap and see where your vehicles sit



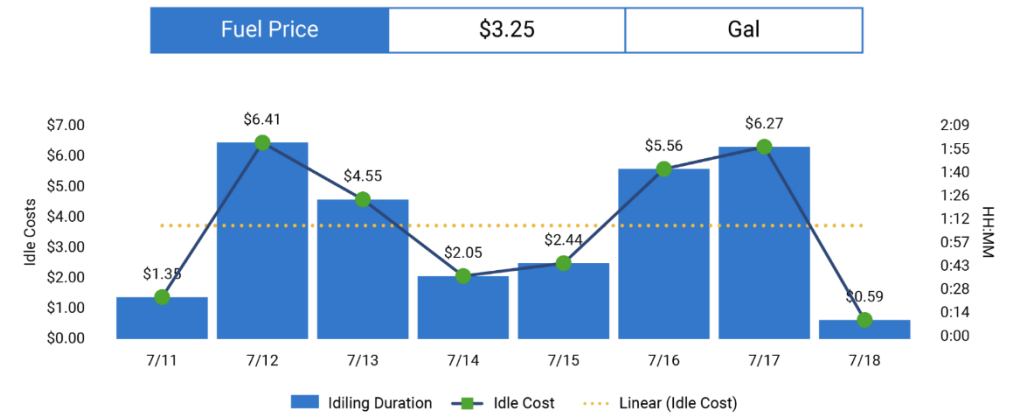
# FLEET IDLING

Idling reports show the idling percentage by vehicle and how much fuel was wasted and the cost involved.

### Highest Idling Duration



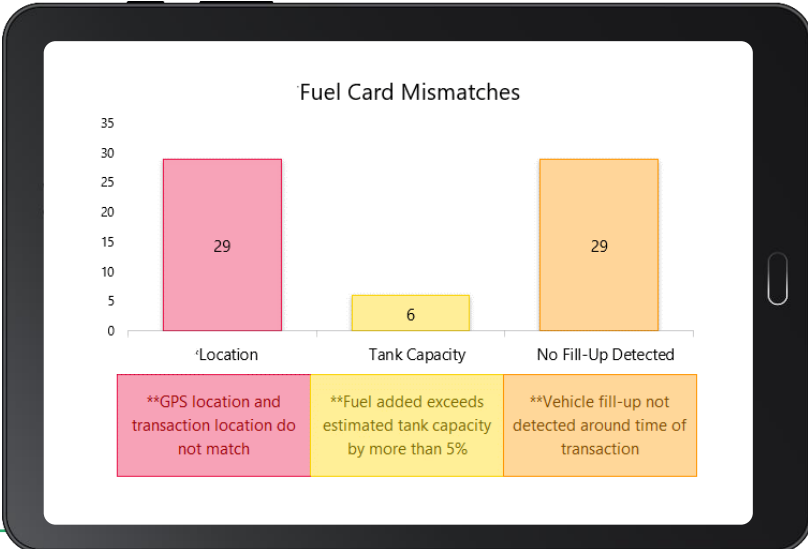
### Daily Idle Cost Trend (Previous 7 Days)



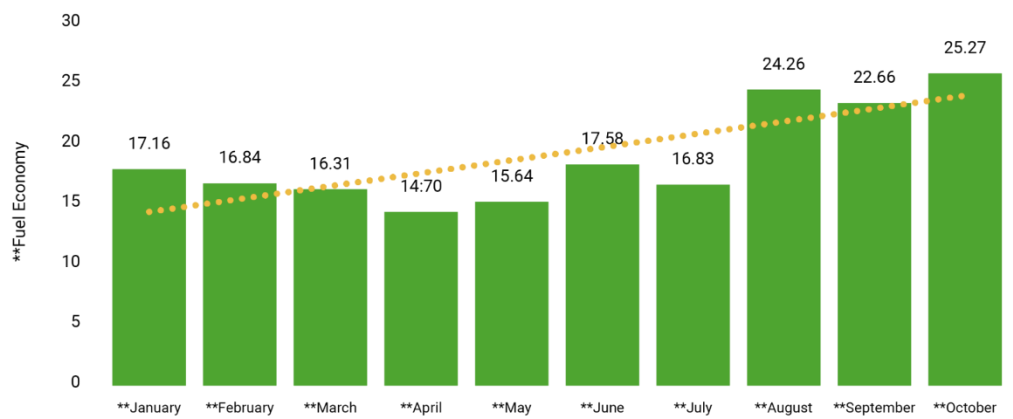


# FUEL USAGE

- Track fuel consumption of the fleet in real time, and to visualize trends.
- Fill-ups can be compared to fuel card reporting to show mismatches and reduce fraudulent events.



\*\*Fuel Economy Trend



Device	Fuel economy/Electric e...	Fuel used	Distance	Date
Demo 01_FIAT_500x_ICE	42.02 MPG (Imp)	12.46 gal	524 mi	01/01/2022 00:00:00 - 31/01/2022 23:59:59
Demo 02_Evoque	45.23 MPG (Imp)	1.81 gal	82 mi	01/01/2022 00:00:00 - 31/01/2022 23:59:59
Demo 05_Porsche_Macan_ICE	13.24 MPG (Imp)	5.35 gal	71 mi	01/01/2022 00:00:00 - 31/01/2022 23:59:59
Demo 09_Volvo_V90_ICE	45.14 MPG (Imp)	23.46 gal	1059 mi	01/01/2022 00:00:00 - 31/01/2022 23:59:59
Demo 11_Ford_Escape_ICE	27.91 MPG (Imp)	8.54 gal	238 mi	01/01/2022 00:00:00 - 31/01/2022 23:59:59
Demo 12_Chevrolet_Volt_ICE	72.85 MPG-e (Imp.)	6.08 gal	1049 mi	01/01/2022 00:00:00 - 31/01/2022 23:59:59



# MAINTENANCE SCHEDULING & REMINDERS

- Poorly maintained vehicles are less safe and fuel efficient.
- Automate maintenance checks and reporting to ensure regular maintenance is completed and assist in reducing vehicle downtime and major repair costs.

<p><b>Maintenance</b></p> <p><u>Overdue</u></p> <table><tr><td>Oil Change</td><td>Overdue by 946 days</td></tr><tr><td>Swap tyres</td><td>Overdue by 916 days</td></tr></table> <p><u>Upcoming Maintenance</u></p> <p>No upcoming maintenance</p> <p><u>History of the last 30 days</u></p> <p>No maintenance for the last 30 days</p>	Oil Change	Overdue by 946 days	Swap tyres	Overdue by 916 days	<p><b>DVIR: last inspection</b></p> <p><u>In-trip inspection on 17/02/2021 16:22:53</u></p> <table><tr><td>Battery Condition → Good (Minor)</td></tr><tr><td>Brakes (Service) → Air compressor not working (Minor)</td></tr></table>	Battery Condition → Good (Minor)	Brakes (Service) → Air compressor not working (Minor)
Oil Change	Overdue by 946 days						
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It's that seismic, it changes everything.

Andy Palmer, CEO of electric bus  
company Switch Mobility., 2021

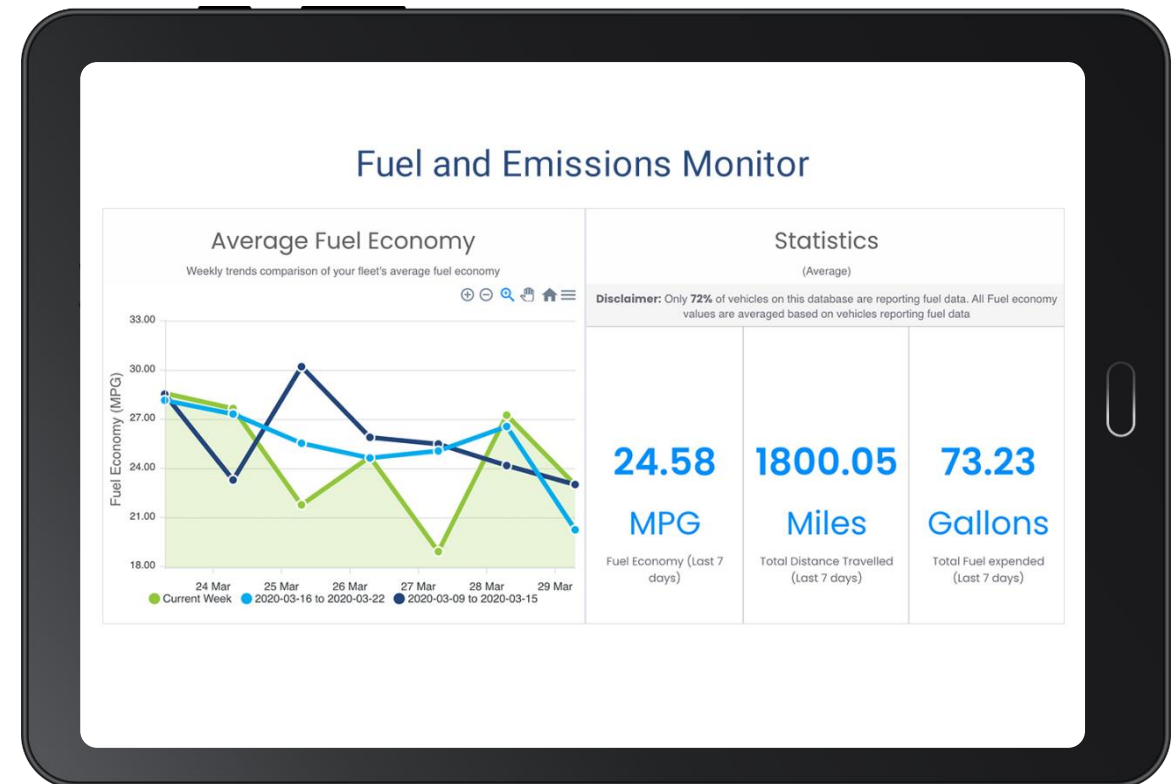
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EV TRANSITION



# INTERNAL COMBUSTION ENGINE (ICE) VEHICLES CARBON REDUCTION

- Rapidly identify and address systemic fleet inefficiencies, vehicle down-time causes and fuel wastage.
- Capturing fuel consumption allows measurement of efficiency (MPG) and calculation of CO2 emissions.
- MPG vs. driver behavior vs. vehicle history enables the fleet manager to pinpoint the cause & reduce fuel consumption and carbon emitted.
- Discover inefficiencies, set & monitor targets, chart performance.

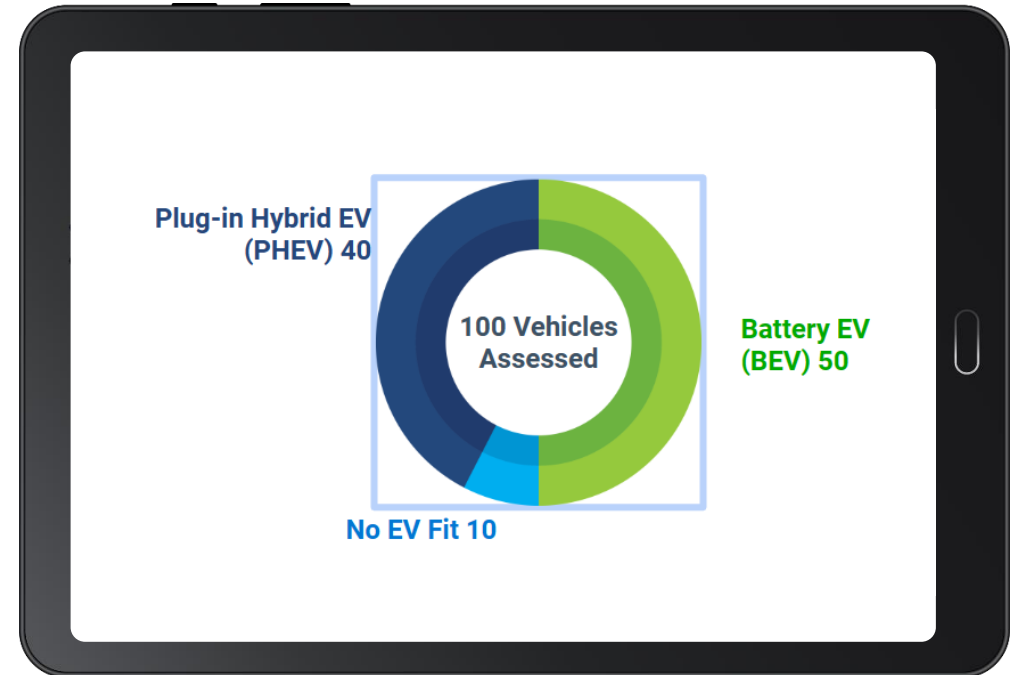






# ELECTRIC VEHICLE SUITABILITY ASSESSMENT

- Unlike conventional vehicles, EVs do not follow mandatory telematics data standards, making data access a challenge.
- In partnership with GEOTAB we have unique capabilities to access critical EV data beyond simple GPS tracking and can confirm we fully support 260+ vehicles - the industry's highest.
- Electric vehicle Suitability Assessment is a procurement recommendation tool for any fleet seeking to go electric using data-driven recommendations to help fleet managers decarbonize their fleet.



Best fit electric vehicles to replace current vehicles in your fleet

Recommended electric vehicles are guaranteed to meet your fleet vehicles' daily range requirements



Lifetime cost savings based on our recommendations

We only recommend electric vehicles that save you more when compared with procuring non-electric vehicles for your fleet



Estimated reduction in fuel consumption and carbon emission

We only recommend electric We compute reasonable estimates for your reduced carbon footprint should you decide to go electric

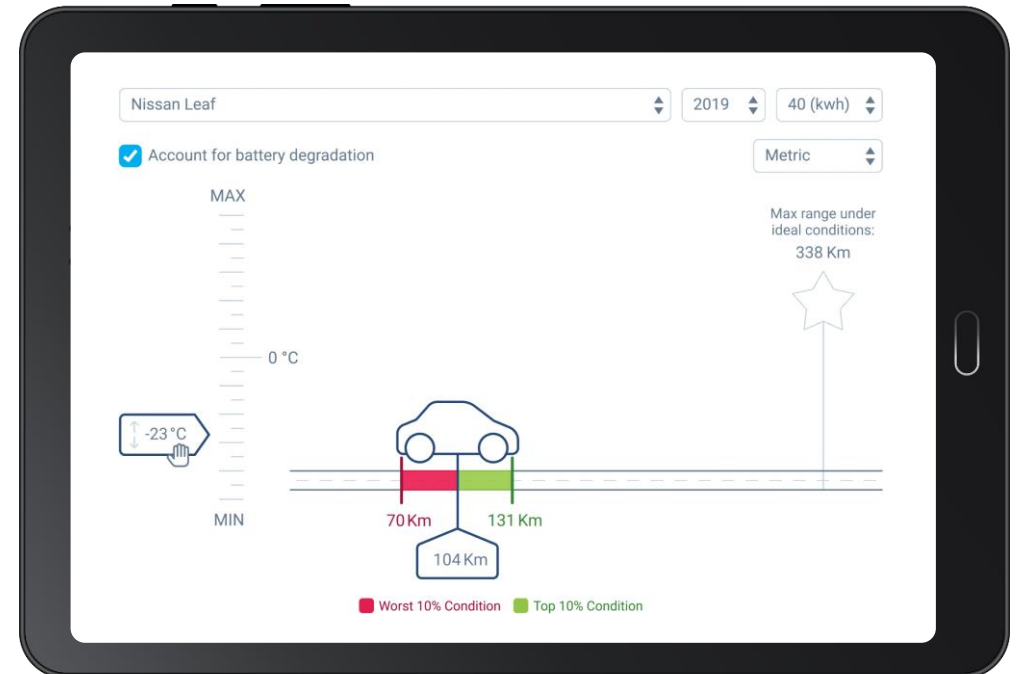


# WORLDS LARGEST EV PERFORMANCE DATASET

Access real-time charging statuses and create notifications to optimize your fleet's productivity.

Big data analysis provides key performance metrics for battery degradation and range. Tools are built based on real-world EV trip data from over 6,000 EVs and represent 1.8 million days of data.

- How does temperature impact day-to-day range?
- How quickly do batteries degrade?
- How many fleet vehicles could go electric today?





# EV DATA BEYOND GPS TRACKING

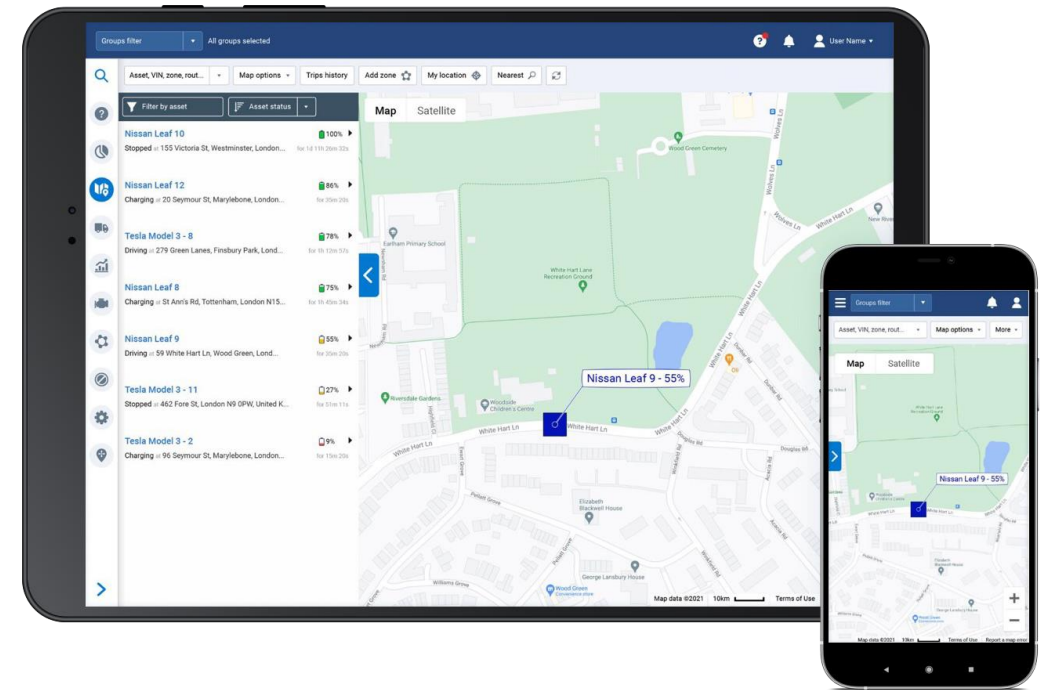
- Successful EV adoption requires good data
- Track charging events and report on key metrics including:
  - Start/end date and time
  - Location by GPS and street address including geofence (zone)
  - Starting/ending charge % (SOC)
  - Energy added (in kWh and Wh)
  - Max power (in kW and W) of the charge event
  - Current (AC or DC) and AC voltage
- Energy recuperated through regenerative braking
- All charging events, inside and outside of selected zones
- Cost breakdown by zone or vehicle





# EV MANAGEMENT

- Proactively manage your EVs
- Access real-time charging statuses and create notifications to optimize your fleet's productivity.
- Real-time charging activity map
  - Get up-to-the-minute charging statuses for all EVs.
  - Quickly identify if alternate vehicles with enough charge need to be dispatched to get the job done.
  - See which EVs should be charging and aren't.





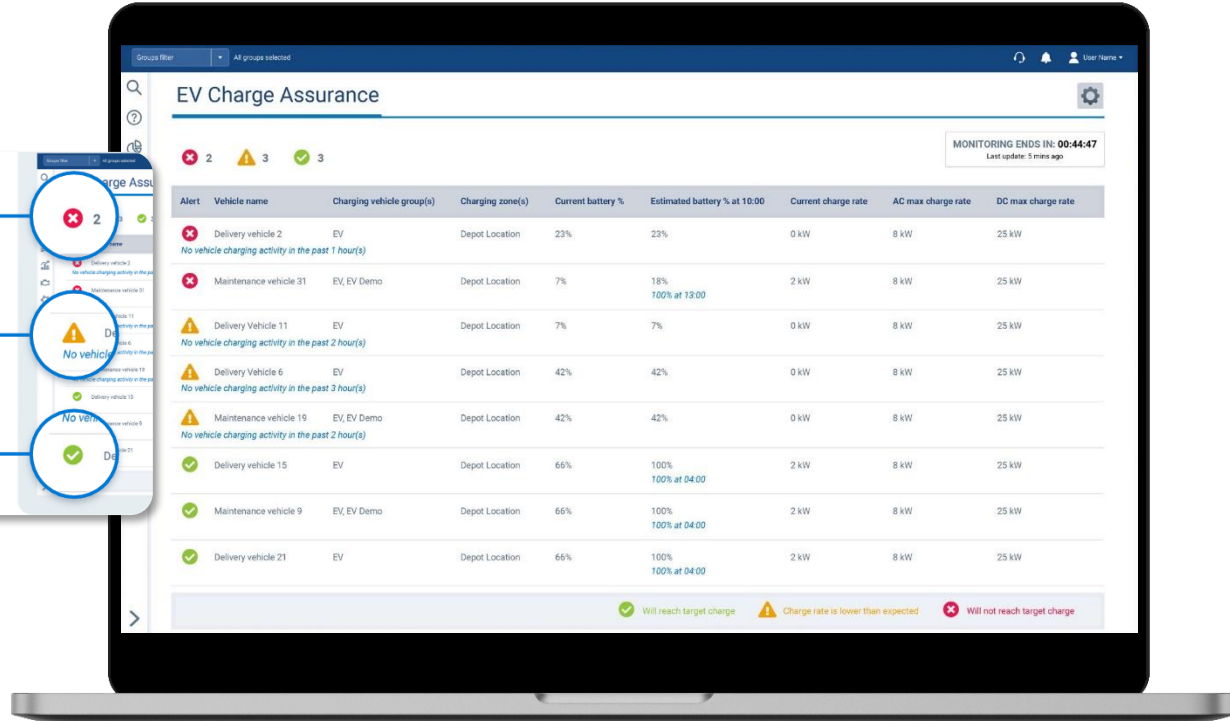
# EV CHARGE ASSURANCE DASHBOARD

The EV Charge Assurance dashboard provides a comprehensive overview of the charging status for a fleet's electric vehicles.

**Prioritise charging needs based on status**

**Proactively investigate potential charging issues**

**Quickly identify which vehicles will be ready to go**





The goal of fleet compliance is to ensure the safety of the public and the trucking industry and to prevent accidents and violations that could lead to fines or legal action.

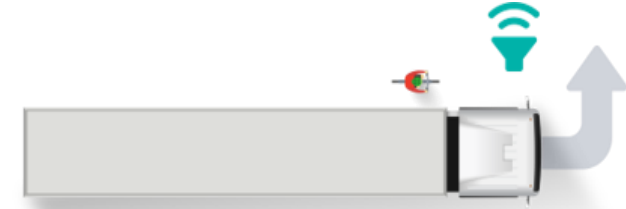
**5**

**COMPLIANCE**



## VISION ZERO SOLUTIONS

- Ensure compliance with all relevant regulations and standards set by governing agencies and industry accreditation bodies.
- Monitor rules related to maintenance, driver training, hours of service, and electronic logging devices.
- Automate compliance management:
  - Driver Vehicle Inspection Reporting (DVIR) via Driver App. Complete pre-trip and post-trip inspections from a smartphone.
  - Certified ELD and HOS.
  - Vision Zero compliant.
  - Centralized fleet safety performance data.
  - Driver coaching & maintenance scheduling.



 DVS Ready



# WITH SAFE SYSTEMS



## REAR CAMERA WITH MONITOR SWITCHING

- **Eliminate blind spots** - camera transmits a signal to a dash-mounted monitor, allowing drivers to view everything behind them.
- **Avoid damage to your truck** - cameras allow you to avoid irritating dings and dents.
- **Make reversing easier** - back out of even the tightest spot with ease.



## NEARSIDE CAMERA WITH MONITOR SWITCHING

- **Improve visibility of vulnerable road users** in urban environments such as cyclists at road junctions and when pulling off from a stationary position.

- **Monitor triggered by left turn** to eliminate blind spots, increasing visibility when turning.



## FORWARD CAMERA

- **Reduce front vehicle damage** due to the elevated driver blind spot.

## 7" HD Monitor or OEM Screen Integration

- **Provide the driver essential crystal-clear visibility** of the vehicle's surroundings.



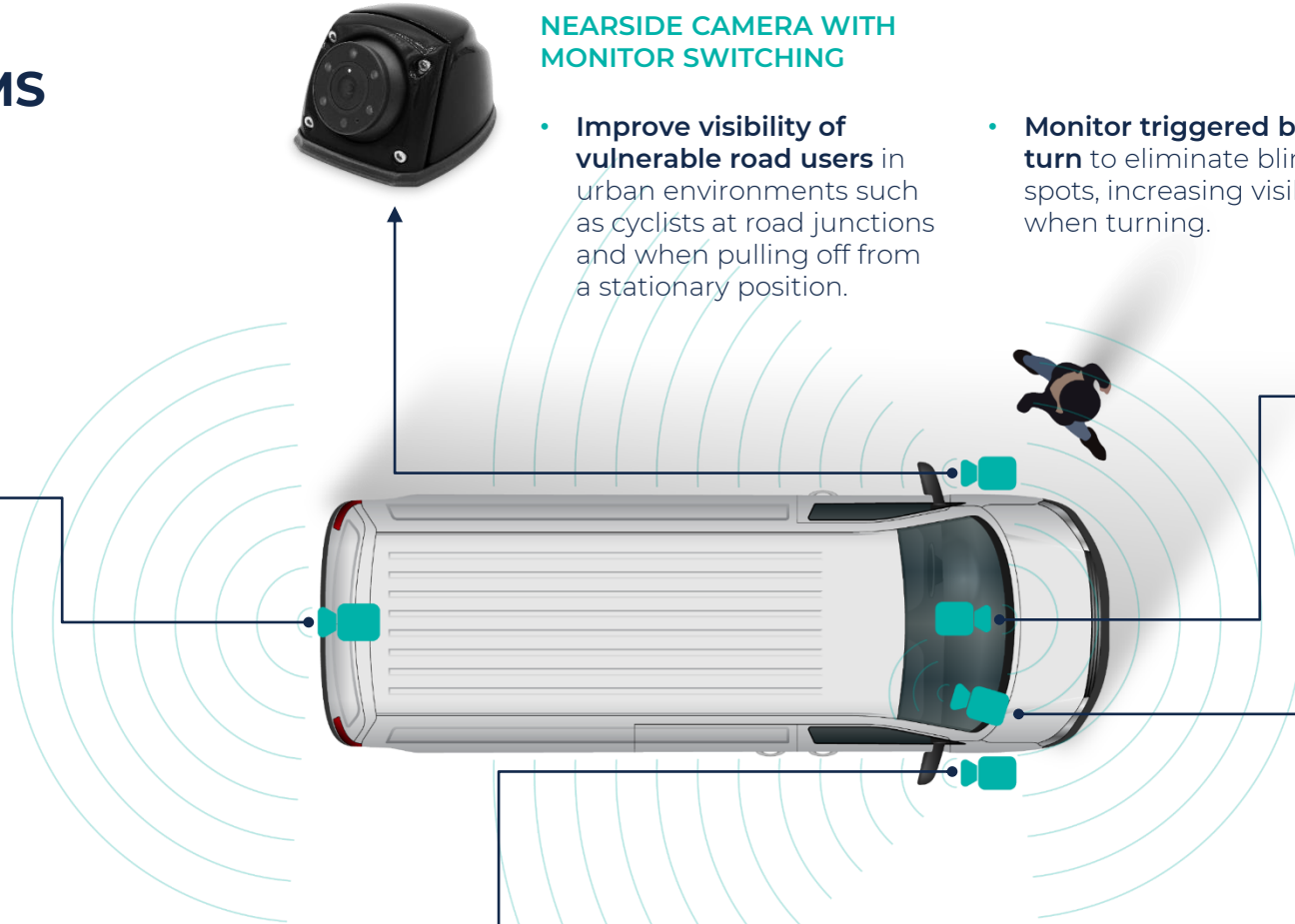
## OFFSIDE CAMERA WITH RIGHT HAND SIDE TRIGGERING

- **Reduce sideswipe collisions** on motorways as a result of poor visibility.



## AI DRIVER WELFARE MONITORING

- **Prevent distracted driving incidents** with driver fatigue, phone usage & smoking alerts.





# FOR ANY VEHICLE TYPE



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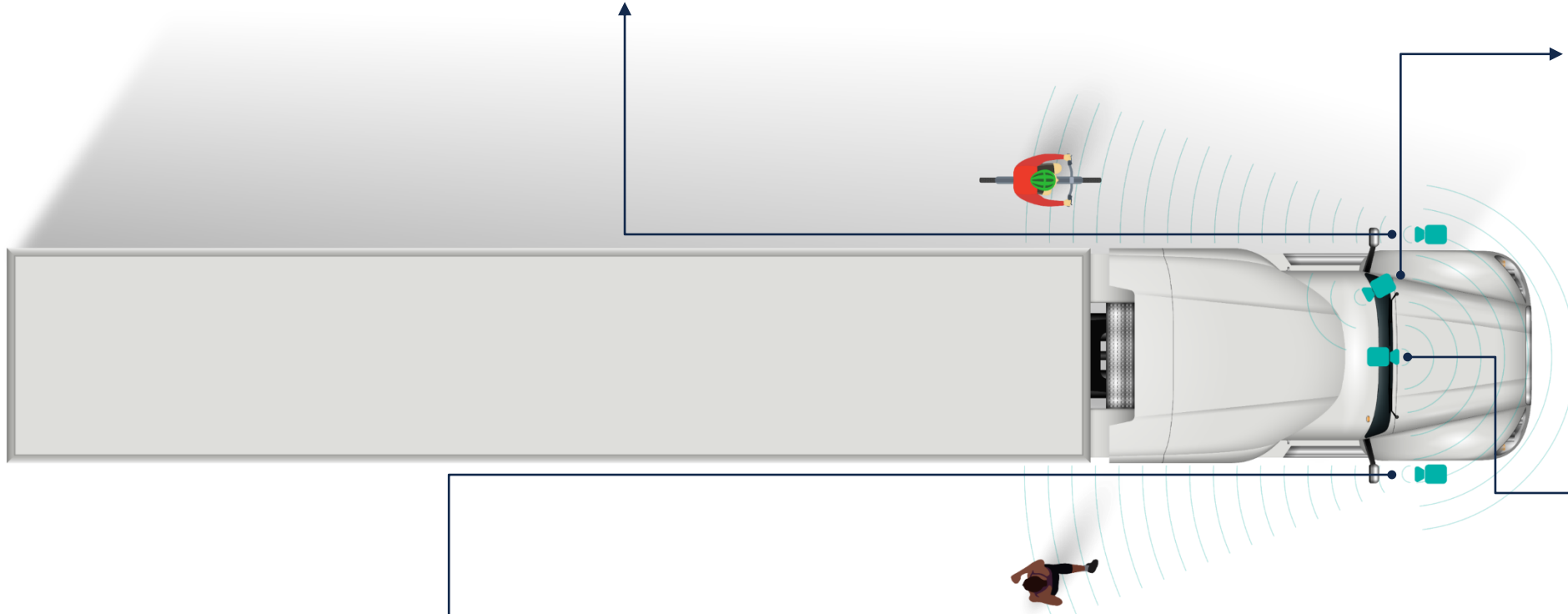
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Insurance is all about risk assessment. Lower the risks to your fleet by improving the safety of your drivers, and deterring vandalism, theft and fraudulent claims.

6

**INSURANCE**



## RISK PROFILE MANAGEMENT & REPORTING

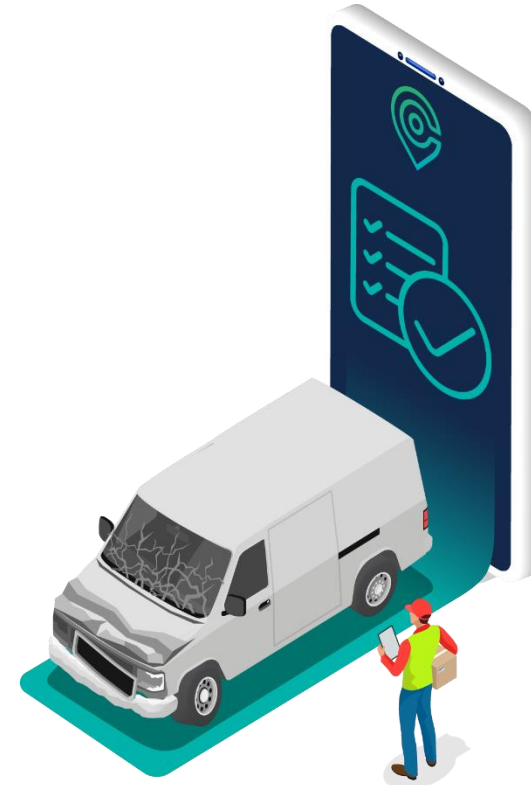
- Real fleet data insights show a more accurate reflection of your risk, which helps insurers develop a more informed risk profile of your fleet, empowering you to negotiate a lower premium.
  - Centralized fleet safety performance data & driver league tables.
  - Near miss & collision event recordings & full data logs and historical footage instantly available.
  - Digital accident reporting via the driver app.
  - Real-time access to footage and telematics of any road incident via the CameraMatics cloud.
  - Nurture a safety culture.





## FNOL & DIGITAL CLAIMS MANAGEMENT

- First Notice of Loss, FNOL is the initial report made to an insurer detailing the damage, loss and theft of an asset.
- FNOL is crucial to deciding if a claim has been made appropriately and helps to assess the amount a valid claim is worth.
- When digital compliance checks are combined with HD video footage of incidents and on-site accident reports you can demonstrate compliance, provide indisputable evidence to protect against false claims and resolve genuine claims in a timely cost-efficient manner.
  - Incidents and accidents auto-captured on video.
  - Incident footage and personal account captured & shared instantly via driver app.
  - Drivers exonerated from fraudulent or false claims.





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