

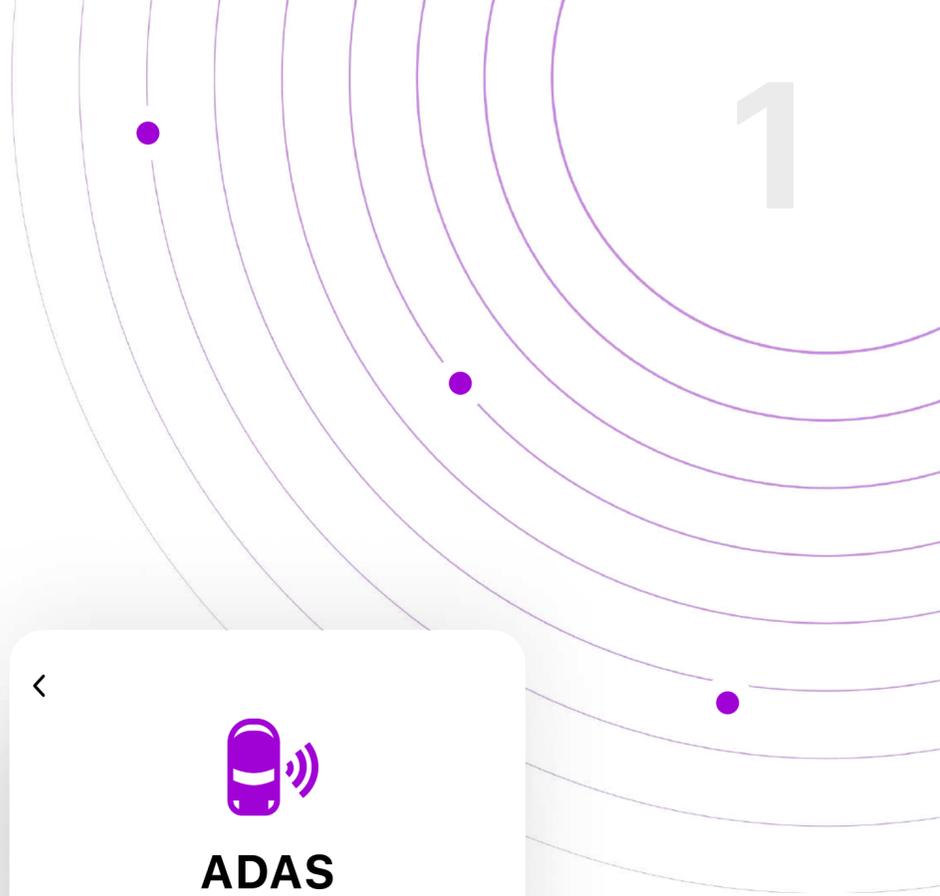
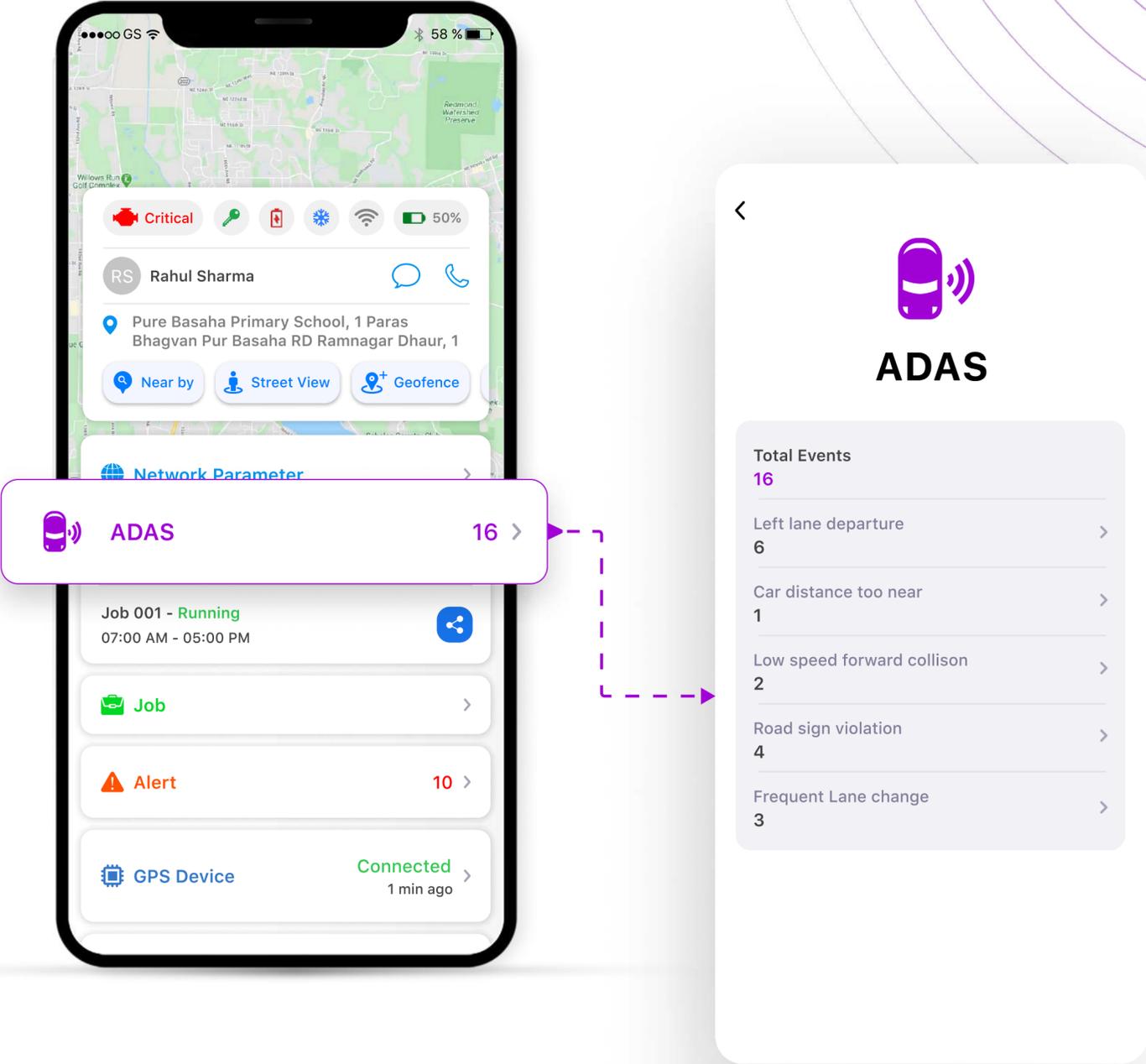
ADVANCED DRIVER ASSISTANCE SYSTEMS (ADAS)



Introduction

Imagine a fleet of vehicles equipped with a vigilant co-pilot. ADAS is that co-pilot, always watching the road, analysing risks, and alerting drivers to potential dangers. With its advanced sensors, cameras, and algorithms, ADAS enhances driver safety and elevates fleet management to unprecedented heights.

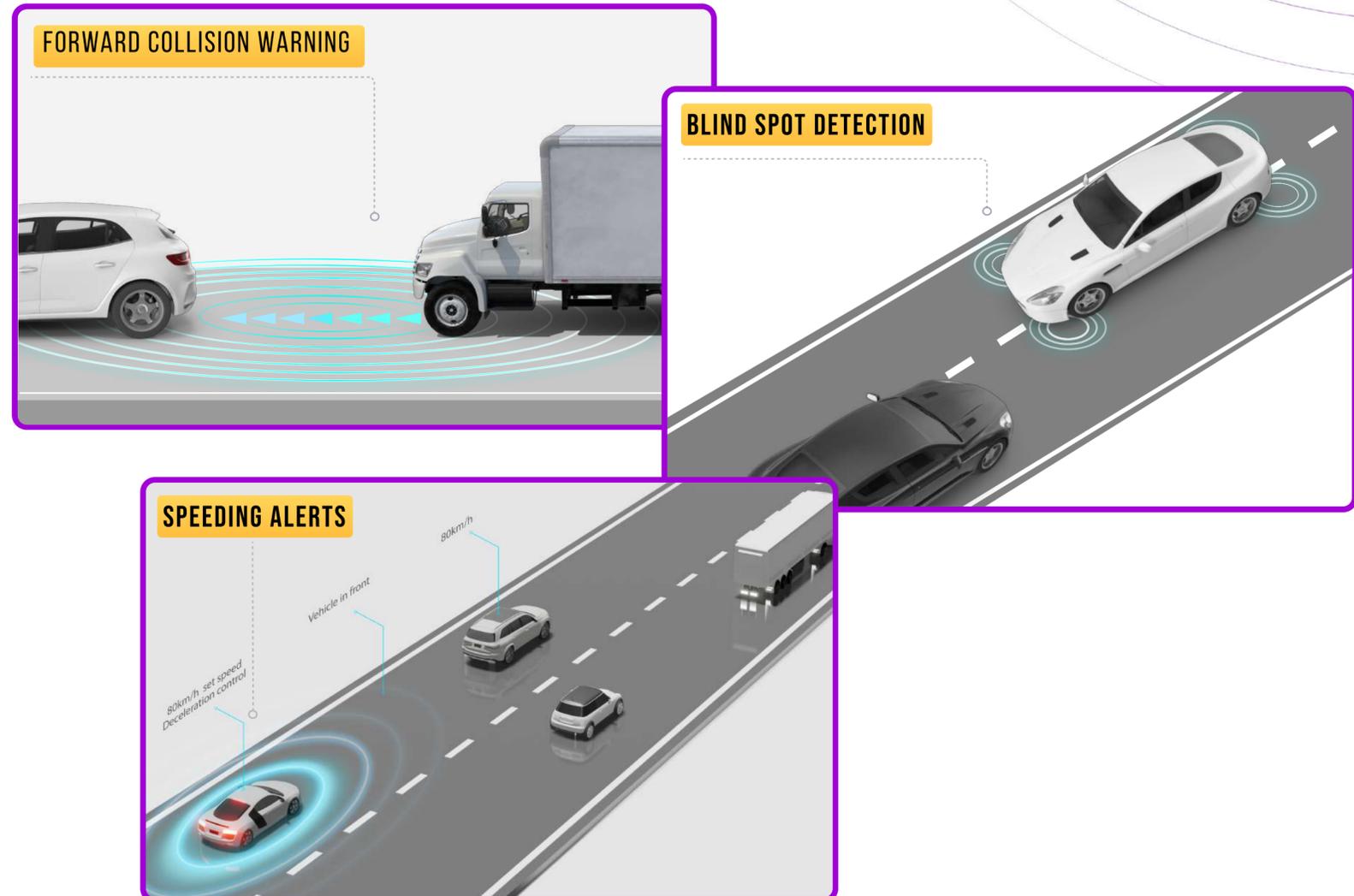
ADAS revolutionizes the way businesses oversee their vehicle operations. Fleet managers gain real-time insights, proactive alerts, and comprehensive reports. This empowers them to make data-driven decisions, reduce accidents, and optimize operational efficiency. ADAS ensures safer roads, minimizes costs, and drives a more sustainable and profitable future for fleets.



Unleashing the Power of ADAS

ADAS empowers fleet managers to proactively protect their drivers, optimize operations, and achieve new levels of efficiency.

- **Forward Collision Warning:**
Intelligent sensors constantly monitor the distance between your vehicle and the one ahead.
- **Blind Spot Detection:**
State-of-the-art sensors identify vehicles in blind spots during lane changes.
- **Speed Limit Monitoring:**
ADAS technology recognizes speed limit signs and continuously monitors the vehicle's speed.
- **And many more...**



Detailed Reports

Fleet managers can gain a lot of insight into their fleet's performance and driver behavior from the reports that are provided.

- **Driver violation report**

It categorizes and lists different types of violations, provides details such as time and location, includes supporting evidence like video footage, and allows fleet managers to address risky behaviors and enforce compliance.

- **Vehicle's ADAS event report**

Captures and analyzes specific events recorded by the vehicle's ADAS system, providing key information and insights for incident review and analysis.

- **Driver's ADAS event report**

Provides details of driver-related incidents, including video playback, event timeline, metrics, and insights for improving driver behavior and safety.

- **Driver rating report**

Provides an evaluation of driver performance based on key metrics such as safety, efficiency, and compliance.

Driver Violations						
Driver	Distance	Running	Seatbelt	AC Misused	Over Speed	Idling
Olive Yew	902.49	26:58	2	1	2	0
Aida Bugg	865.86	25:00	0	3	0	0
Teri Dactyl						
Allie Grater						

Object ADAS Event					
Driver	Event information	Event Date Time	Location	Map	Play video
Olive Yew	Driver on call	06-6-23 07:54:46 AM	Abrama, Valsad,Gujarat	📍	▶
Aida Bugg	Pedestrian collision...	08-7-23 07:54:46 AM	Gunjan, Vapi, Gujarat	📍	▶
Teri Dactyl	Lane				
Allie Grater					

Driver ADAS Event							
Driver	Distance	Running	Speeding	Lane Change	Forward Collision	Blind Spot	
Olive Yew	902.49	26:58	2	1	1	0	
Aida Bugg	865.86	25:00	0	3	0	1	
Teri Dactyl							
Allie Grater							

Driver Rating						
Driver	Distance	No Of Speeding	No Of Harsh Driving	No Of Idling	Total Violations	Rating
Rajesh	40.8	3	1	1	5	★★★★☆
Keyur	62.47	1	0	3	4	★★★★☆
Mahesh	14.07	0	0	0	0	★★★★☆
Piyush	36.6	1	1	1	3	★★★★☆

Realtime Alerts

Alerts provided by video telematics software are designed to notify fleet managers and drivers of potential safety issues or inefficiencies in their operations. These alerts are generated in real-time, allowing for immediate action to be taken to address the issue and prevent further problems.

- **Forward Collision Warning**
Alerts the driver if there is a risk of a collision with the vehicle in front.
- **Lane Departure Warning**
Alerts the driver if the vehicle begins to drift out of its lane.
- **Pedestrian Detection**
Alerts the driver if there is a pedestrian in the path of the vehicle.
- **And many more...**



Enhancing Safety, Efficiency, and Fleet Management in **Trucking Industry**

Challenges

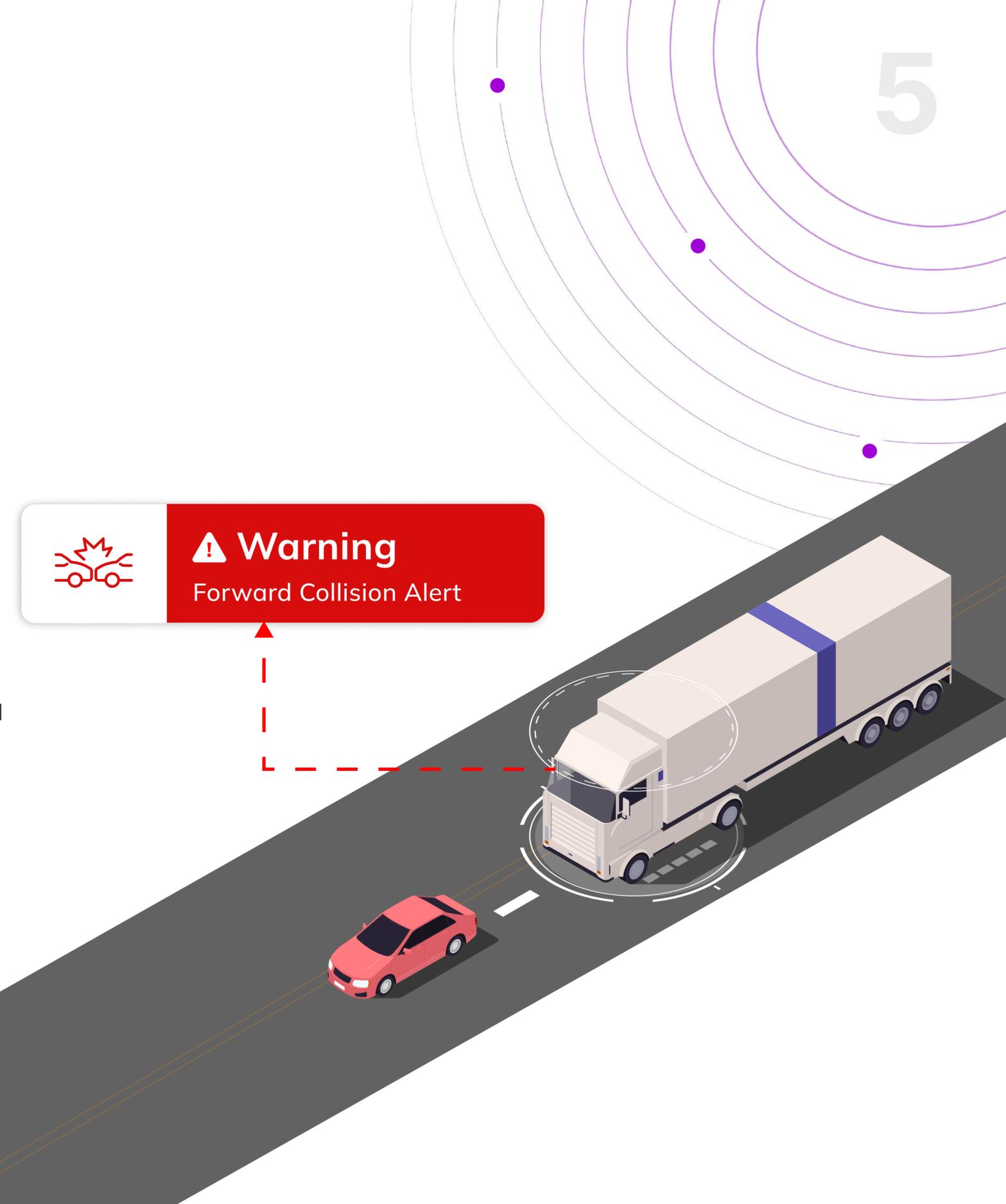
- Driver safety and accident reduction
- Cargo security and loss prevention
- Fleet efficiency and fuel savings

Solution

- Provided real-time alerts and prevent accidents.
- Optimized fleet operations by leveraging ADAS features such as Adaptive Cruise Control and Eco-Driving Assistance to improve fuel efficiency and reduce emissions.
- ADAS provided evidence of adherence to safety regulations, ensuring compliance and maintaining a positive safety record.

Results

- Enhanced driver safety with reduced accidents and improved road behavior.
- Improved cargo security and loss prevention through real-time monitoring and alerts.



Ensuring Safe and Comfortable Journeys with ADAS in Passenger Transport

Challenges

- Delayed accident investigations and liability determination due to lack of visual evidence.
- Difficulty managing driver behavior without objective data on driving habits.
- Increased operational costs due to fuel inefficiency and unexpected breakdowns.
- Challenges in ensuring compliance with safety regulations without data insights.
- Impact on customer trust and experience due to lack of transparency and accountability.

Solution

- Implemented video telematics with ADAS, including FCW, LDW, and Pedestrian Detection.
- Real-time monitoring and alerts for safety hazards and driver behavior.
- Video evidence aided in accident investigation and insurance claim resolution.
- Monitoring vehicle performance and fuel consumption for maintenance and cost efficiency.
- Ensuring compliance with safety regulations through data-driven insights.

Results

- Enhanced safety for passengers and drivers.
- Improved driver behavior and reduced aggressive driving.
- Increased passenger comfort during the journey.



ADAS Enhancing Rapid Response in **Emergency Services**

Challenges

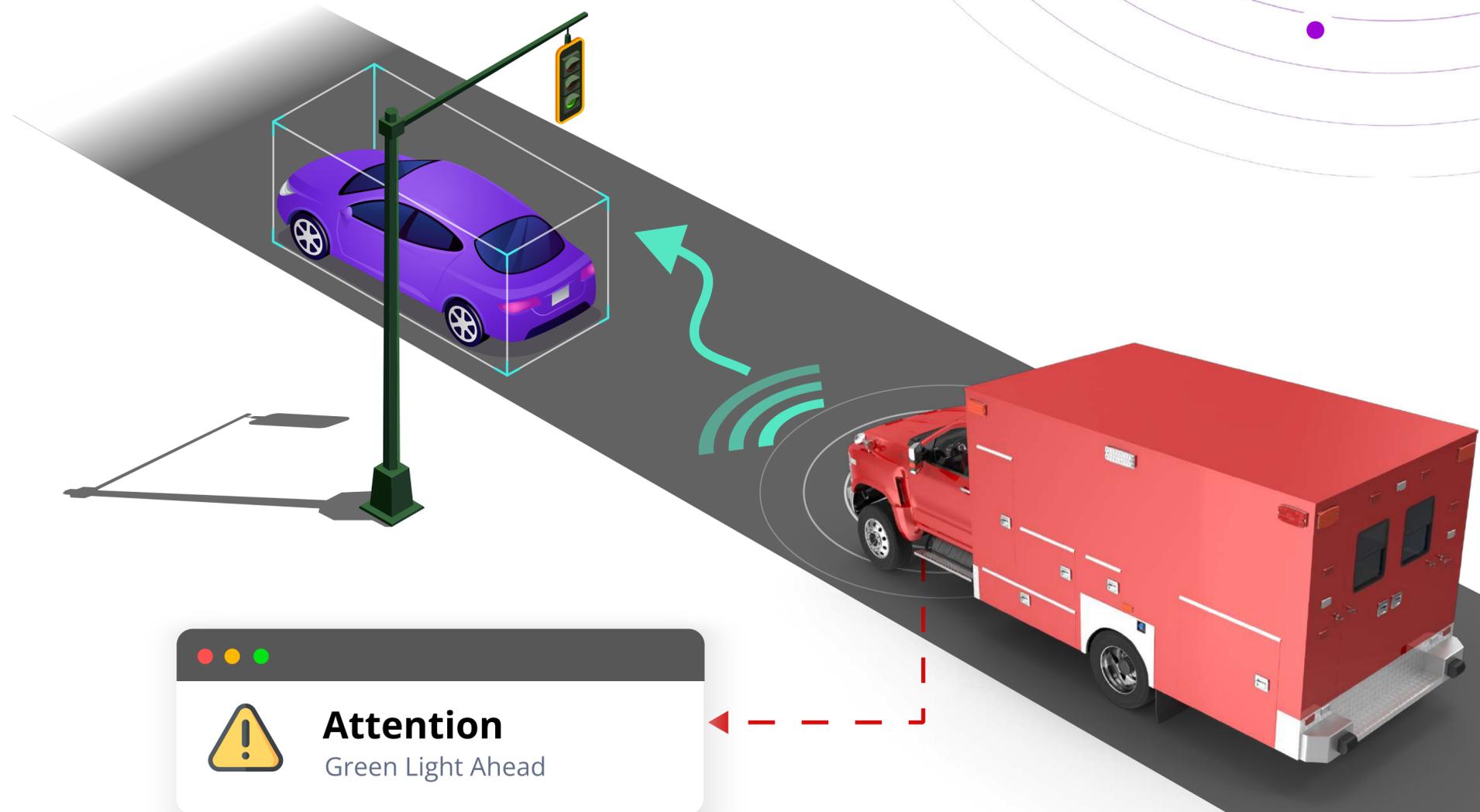
- Safely navigating through traffic during rapid response situations.
- Ensuring intersection safety during emergency vehicle passage.

Solution

- Integration of ADAS features in emergency service vehicles.
- Traffic Signal Preemption: Prioritizing emergency vehicles through traffic signal interaction.
- Assisting safe passage at intersections.

Results

- Enhanced safety for emergency service vehicles and other road users.
- Improved incident management and smoother operations during emergencies.



Our software is designed to be **flexible, scalable, and customizable**.
We understand that every business is unique, and we work closely with our customers to ensure that our solutions are tailored to meet their specific needs.

Thank you!



info@uffizio.com | www.uffizio.com