

DRIVER MONITORING SYSTEM (DMS)

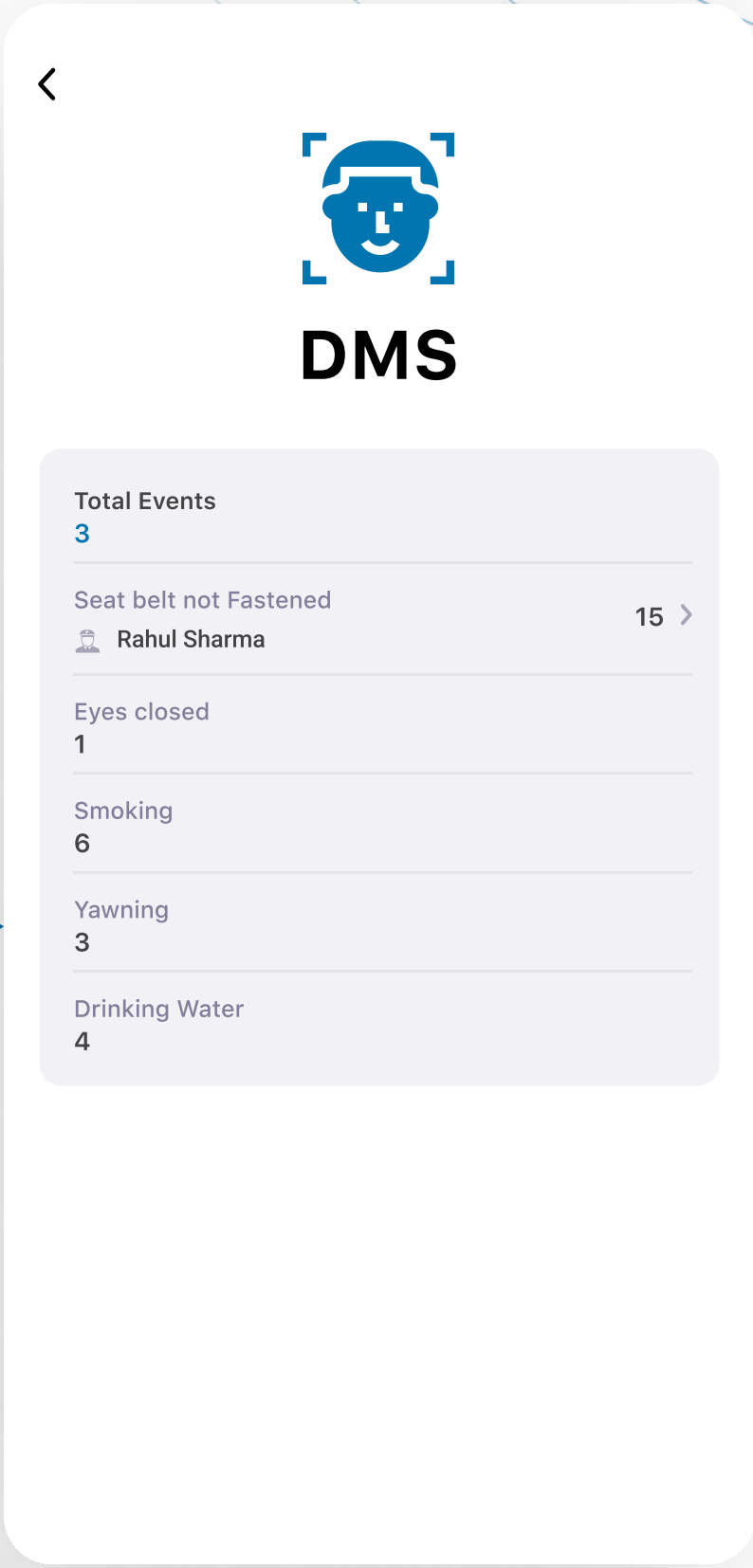
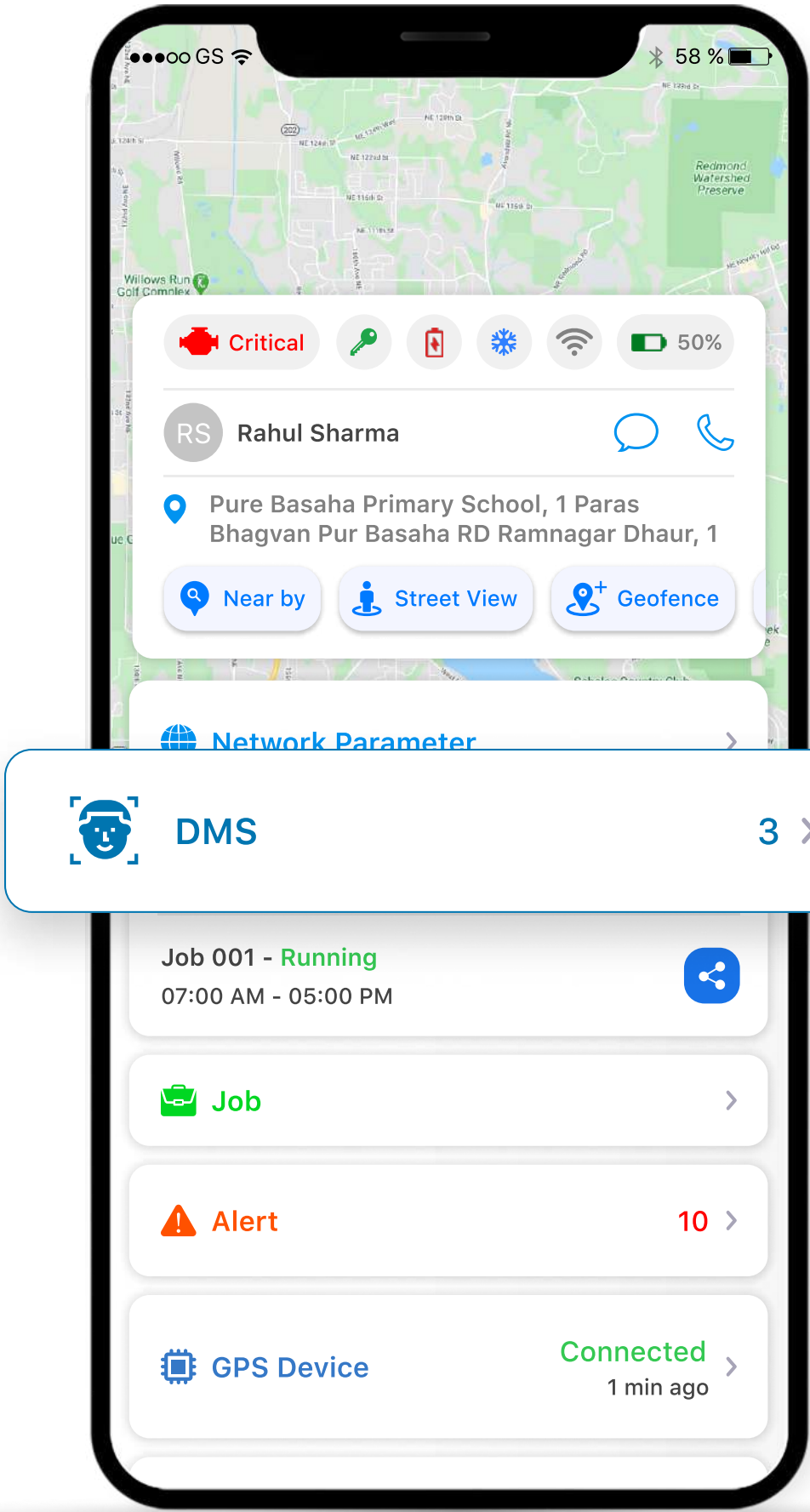


Introduction

In an ever-changing landscape of transportation, safety remains a paramount concern for drivers and passengers alike. Driver Monitoring System (DMS) emerges as a revolutionary technology that addresses this crucial aspect of road safety.

Our software utilizes state-of-the-art technology, including advanced sensors and powerful AI algorithms. It continuously monitors driver behavior, attentiveness, and potential distractions in real-time. By analyzing critical parameters such as eye movements, head position, and facial expressions, the software can detect signs of driver fatigue, drowsiness, and distraction. It promptly issues alerts to prevent accidents and safeguard lives.

With DMS paving the way, the future of transportation promises enhanced safety, smarter driving practices, and a transformative impact on roadways worldwide.



Realtime Driver Monitoring

It is a sophisticated system that continuously and instantly tracks a driver's behavior, attentiveness, and performance while they are behind the wheel.

Through the use of cameras and sensors, the system captures data on various parameters. These parameters can be eye movements, head position, facial expressions, and other indicators of driver alertness, fatigue, distraction, or inattention.

It empowers fleet managers with real-time insights to make informed decisions and implement targeted interventions. This ultimately promotes responsible driving practices and improving overall fleet safety and efficiency.



Warning Alerts

- **Driver Fatigue and Drowsiness Alert**

Alerts are triggered when signs of driver fatigue or drowsiness are detected, such as frequent blinking, yawning, or erratic steering behavior.

- **Smoking Alerts**

If smoking is detected, the software generates an alert to inform the fleet manager.

- **Driver On-Call Alerts**

The software detects when the driver is using a phone while driving, and generates alert.

- **Driver Identification Alert**

If an unauthorized driver is detected, software generate alerts to notify fleet managers.



Insightful Reports

- Driver’s DMS report**
Provides a comprehensive analysis of driver behavior, including speed, acceleration, braking, and other critical factors, helping fleet managers assess driver performance and identify areas for improvement.
- Driver violation report**
Provides a comprehensive overview of any traffic violations committed by drivers during their trips, helping fleet managers identify potential safety risks and take corrective action.
- Driver performance score**
This report presents driver safety scores and rankings based on predefined criteria and metrics. It allows fleet managers to compare driver performance, track progress over time, and identify drivers who may require additional training or intervention.
- And many more...**

Driver Wise Event Summary

	Company	Branch	Driver	ADAS	DMS
+	Telematics	Global	Suman K	0	6
-	Aura-FZC	Atlanta	Rajendra Pr.	0	3

Howen AI MDVR - From : 01-06-2023 00:00:00 To : 30-06-2023 23:59:59

Object	Event Type	Driver
GJ 15 CF 1241	DMS	Driv
GJ 15 CF 1241	DMS	
GJ 15 CF 1241	DMS	

+

+

Smartrack

GPStracker

Driver Violations

	Driver	Distance	Running	Seatbelt	AC Misused	Over Speed	Idling	ADAS	DMS
+	Suresh	214	6:58	0	0	6	0	21	15
-	Mukesh	185	4:58	0	0	7	0	13	10

+

+

Object

Entity Type

Event Date Time

Location

Map

Driver Rating

	Driver	Distance	No of speeding	No of Harsh Driving	No of Idling	Total Violations	ADAS	DMS	Rating
+	Rajesh	40.8	3	1	1	5	16	14	★★★★★
+	Keyur	62.47	1	0	3	4	11	22	★★★★★
+	Mahesh	14.07	0	0	0	0	17	11	★★★★★
+	Piyush	36.6	1	1	1	3	21	12	★★★★★
+	Hari	78.9	2	1	0	3	11	10	★★★★★
-	Keval	25.65	1	2	0	3	0	0	★★★★★

Date Time	Location	Violation	Type	Duration	Penalty Points	Map
05-06-2023 07:18 AM	Gunjan, Vapi, Gujarat	Harsh Driving	Harsh Braking	00:00	12.0	📍
05-06-2023 08:00 AM	Abrama, Valsad, Gujarat	Speeding	Speeding	00:00	12.0	📍
05-06-2023 11:18 AM	Adajan, Surat, Gujarat	Harsh Driving	Harsh Driving	00:00	12.0	📍

Empowering Emergency Services Fleets with DMS

Challenges

- High-stress environments demand fast responses and heightened safety measures.
- Preventing distractions, fatigue, and aggressive driving is crucial for safety.
- Rapid response and accurate accountability are vital during emergencies.
- Improving efficiency and minimizing costs require optimized operations.

Solution

- Continuous monitoring of attentiveness, fatigue, and distractions with DMS.
- Video telematics cameras for real-time event recording and response.
- Enforce guidelines and regulations with DMS and training programs.
- Use DMS reports for targeted training to enhance skills.

Results

- Proactive monitoring minimizes distractions and improves safety.
- Video evidence aids analysis and response.
- DMS ensures adherence to safety regulations.



DMS Distraction

Please pay attention on the road

Advancing Transportation and Logistics with DMS

Challenges

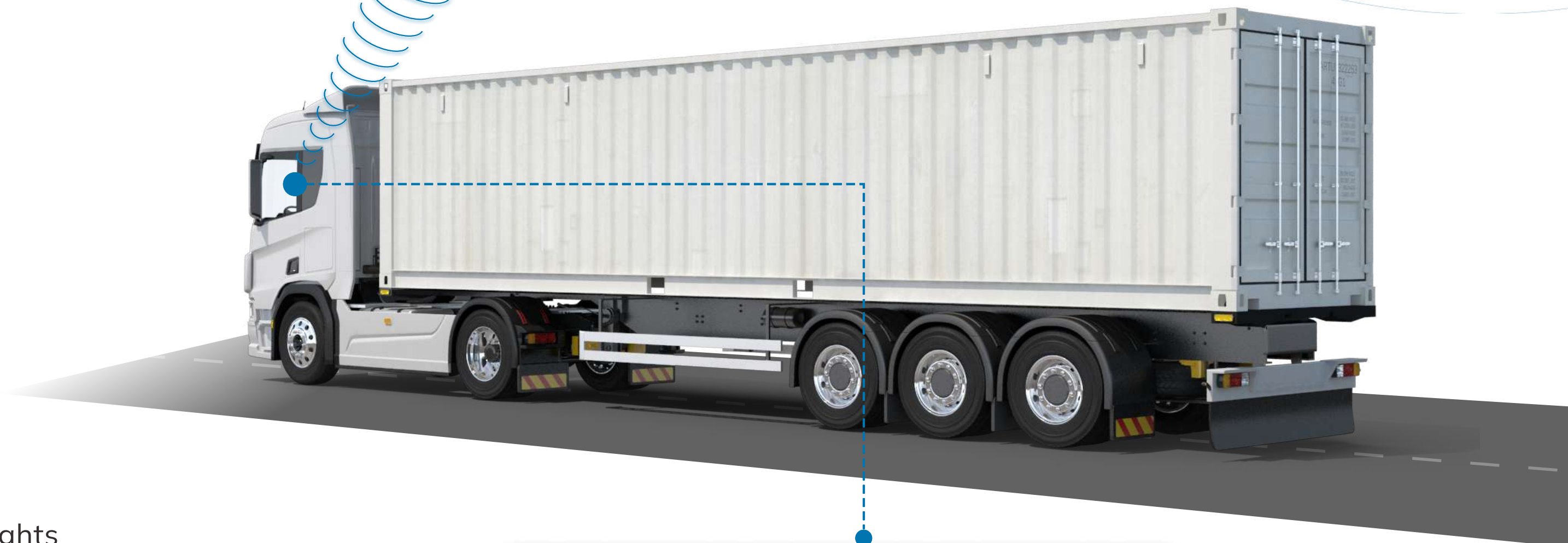
- Driver safety risks, including fatigue and distraction
- Compliance with safety regulations in transportation and logistics

Solution

- Implementation of a Driver Monitoring System(DMS) in video telematics
- Driver Fatigue and Drowsiness Detection
- Distraction Monitoring
- Compliance Monitoring
- Real-time Alerts and Intervention

Results

- Enhanced driver safety through early detection of fatigue and distractions
- Improved compliance with safety regulations and adherence to protocols
- Targeted driver training and performance improvement based on DMS insights



Warning

Yawning Alert

Enhancing Safety and Compliance in Hazardous Chemical Transportation

Challenges

- Transporting hazardous chemicals requires strict compliance with safety regulations.
- Chemical spills or leaks can lead to serious health hazards, environmental damage, and financial losses.
- Monitoring driver behavior and cargo conditions in real-time can be challenging.

Solution

- Real time monitoring of driver behavior, vehicle status, and cargo conditions ensures they are secure and free of leaks.
- Software tracks driver behavior, including harsh braking, speeding, and seatbelt usage, to identify unsafe driving practices.
- Video evidence used to prove compliance with regulations, providing a clear record of driver behavior and vehicle conditions during transportation.

Results

- Reduced risk of spills, and environmental damage.
- Identify unsafe driving practices, reducing the risk of accidents and injuries.
- Improved visibility into cargo conditions.



SMOKING ALERT
SMOKING DETECTED.
PLEASE BE CAUTIOUS

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!



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