trokzee

LOAD MONITORING

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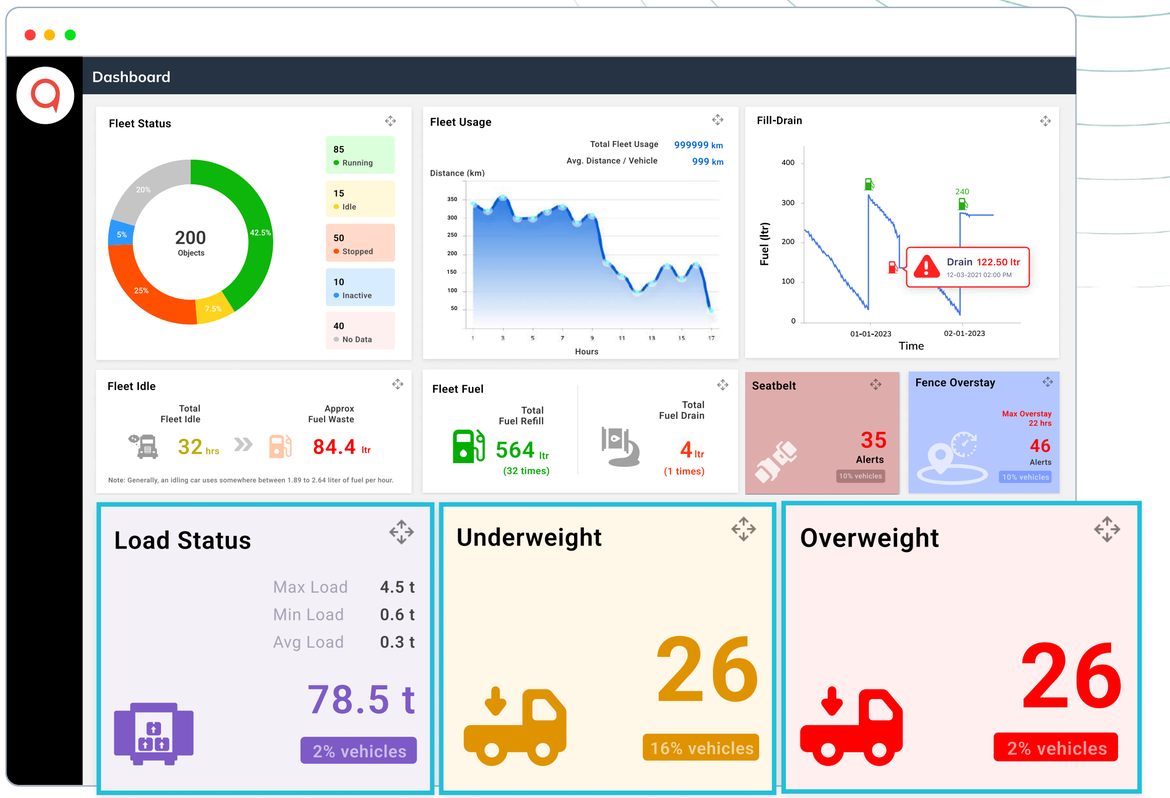
Introduction

In today's fast-paced logistics and transportation industry, effective load management is crucial to ensure optimal resource utilization and operational success.

Load monitoring software plays a key role in achieving these goals by providing advanced features and functionalities designed to track, optimize, and manage loads across a fleet of vehicles. By leveraging this software, fleet operators can make informed decisions by gaining real-time insights into load distribution, and weight compliance.

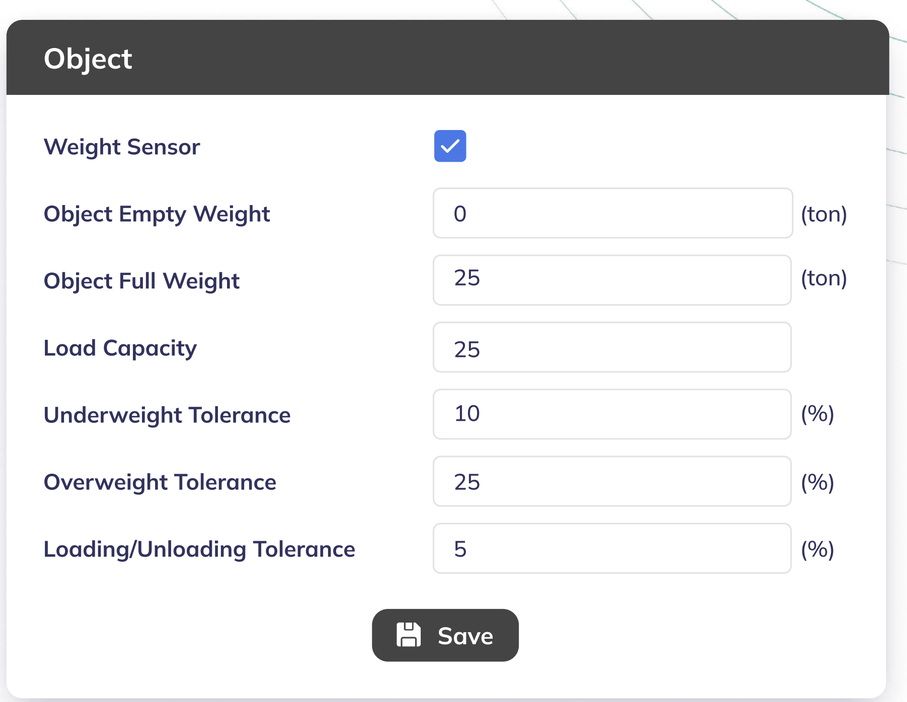
It empowers your clients to achieve regulatory compliance, optimize load distribution, and enhance customer satisfaction.



FEATURES

Overload and Underload Prevention

- The software is designed to monitor and manage load to prevent situations where a vehicle is carrying a load that exceeds or falls below recommended weight limits.
- Overload prevention involves monitoring and ensuring the load doesn't exceed regulations or vehicle capacity, while underload prevention aims to maximize load capacity and avoid inefficient distribution.
- By implementing effective load monitoring systems and adhering to weight regulations, fleet operators can enhance safety, reduce maintenance costs, improve fuel efficiency, and optimize operational efficiency.

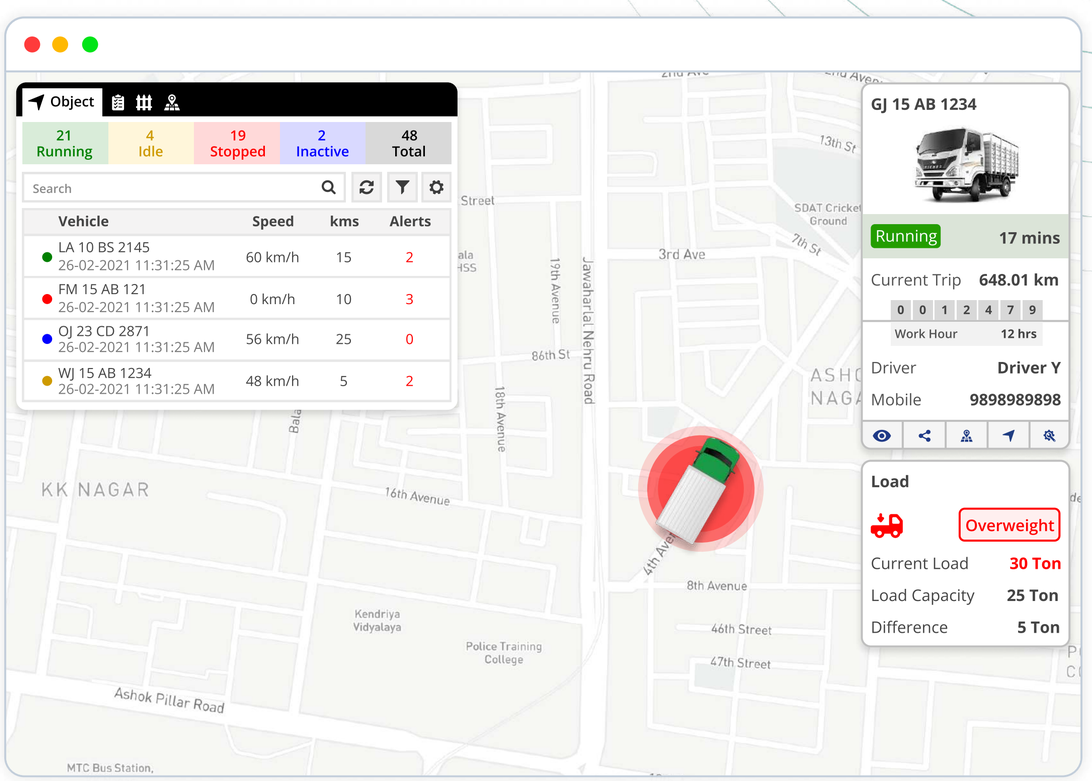


Realtime Load Monitoring

It provides immediate visibility into load status, and location. Fleet managers can track loads, prevent overloading, optimize routes, monitor load performance, and enhance customer service.

Real-time load monitoring enables proactive decision-making and improves operational efficiency.

Experience the power of real-time load monitoring with our software's live tracking feature.



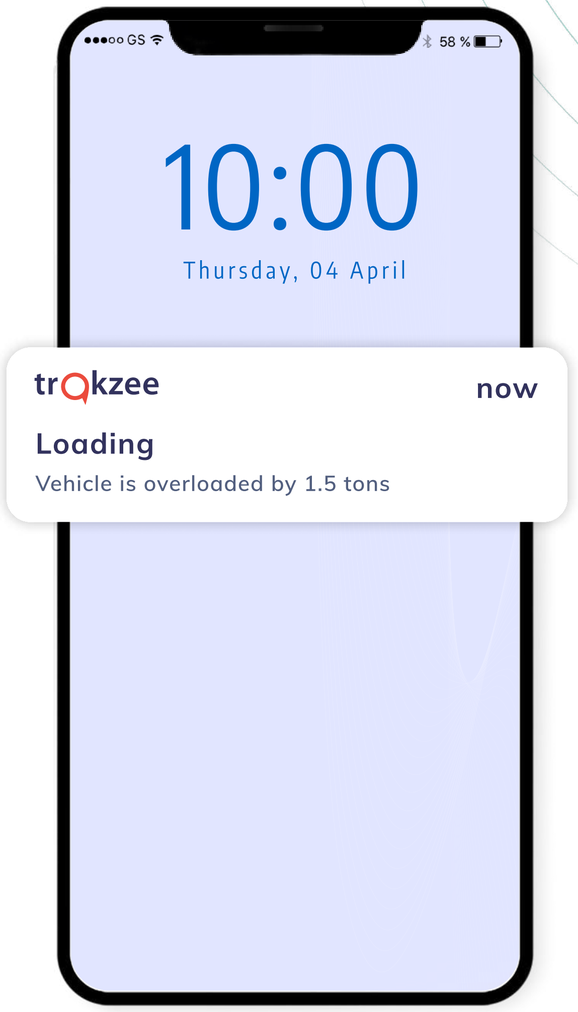
Instant Alerts

Overweight and Underweight Alerts

These alerts are triggered when a load exceeds predefined weight thresholds or reaches a critical weight level. It helps prevent overloading and ensures compliance with weight regulations.

Geofence Alerts

These alerts notify fleet managers when a vehicle carrying a load enters or exits predefined geographical boundaries or specified locations. It helps monitor load movement and provides insights into load progress.



Reports and Charts

Loading Unloading Summary

These reports provide an overview of all the loads handled within a specified time period. They include information such as average loading/ unloading times, efficiency measures, delays, and productivity indicators.

Performance Trend Chart

This chart tracks and presents load performance metrics over time, such as average loading/unloading times, turnaround times, or on-time delivery rates. It helps identify trends and performance patterns.

Loading Unloading Summary

Vehicle	Loading	Unloading	Distance	Running	Idle	Stop	Inactive	Alert
GJ 15 AA 9022	33.9	20.8	26:58	510	08:35	00:47	23:01	1
MH 02 RR 5689	34.7	21.8	25:00	640	50:06	00:00	19:17	2
KA 10 PO 3482	34.3	19.9	21:16	640	29:06	00:00	00:00	0
GJ 28 HH 1122	34.0	22.1	23:01	970	00:00	12:46	00:00	0
DL 12 DD 5553	33.2	21.7	22:38	461	00:47	00:00	00:00	0
GA 01 LL 2020	34.0	21.6	14:01	621	00:00	00:00	00:00	3
KL 15 CN 2002	34.1	21.4	19:17	621	00:00	00:00	00:00	5
DL 06 MN 8021	34.3	21.9	18:14	640	00:00	00:00	00:00	8
GJ 15 AB 1234	34.0	21.9	18:39	245679	00:00	00:00	00:00	0
GJ 15 CN 6800	33.3	21.0	12:46	588	00:00	00:00	00:00	7

The Power of Load Monitoring in Trucking Operations

Challenges

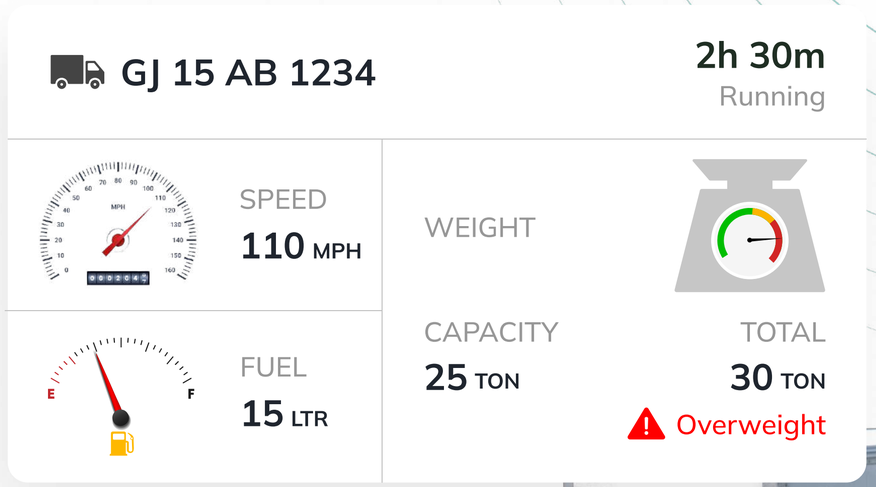
- Without load monitoring, the company relied on manual estimation and guesswork to determine the weight and distribution of loads.
- Overloading lead to safety hazards, excessive wear and tear on vehicles, increased fuel consumption, and potential legal penalties for non-compliance with weight regulations.

Solution

- Load sensors were installed on each truck to measure and transmit real-time load data, including weight and distribution.
- A centralized system was implemented to receive and analyze load data from the sensors in real-time.
- Fleet managers were able to track the weight and distribution of loads in real-time.
- Instant alerts and notifications are generated when a vehicle exceeds weight limits defined by regulations.

Results

- The company ensured compliance with weight regulations avoiding legal penalties.
- Optimized resource utilization by efficiently allocating loads and avoiding underloading or excessive empty trips.



Streamlining Waste Collection Through Intelligent Load Monitoring

Challenges

- Waste collection vehicles were underutilized, leading to wasted capacity and unnecessary trips.
- Overfilled waste containers lead to spillage, and environmental hazards
- Inaccurate load measurement resulted in incorrect billing for waste collection services, leading to financial losses or customer dissatisfaction.

Solution

- Load sensors were installed on waste collection vehicles and connected to load monitoring software.
- Data collected from the sensors, provided real-time visibility into the fill levels of waste containers on each vehicle.
- By monitoring load status, the company optimized routes and schedules to ensure efficient collection without overloading or underloading vehicles.
- Instant alerts were generated when vehicles reach predetermined fill levels.

Results

- Optimal utilization of waste collection vehicles
- By monitoring container fill levels in real-time, the company can prevented overfilling

Efficient Load Monitoring and Transportation in Construction Fleets

Challenges

- Ensuring compliance with weight limits
- Optimizing load distribution
- Monitoring load progress in real-time
- Protection and integrity of transported materials

Solution

- Real-time weight monitoring
- Load distribution optimization based on capacity and priorities
- Live tracking of load progress and location

Results

- Enhanced compliance with weight regulations
- Efficient resource utilization and reduced transportation costs
- Real-time visibility into load progress and deviations

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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