

JOB AND ROUTE OPTIMISATION

EBOOK

uffizio➔

PURPOSE OF THIS EBOOK

This eBook is designed to **highlight the value of job and route planning** by showing how it simplifies fleet operations and enhances efficiency. It demonstrates how the features address common challenges in scheduling, routing, and resource allocation.

It aims to **educate system integrators** on seamlessly incorporating job and route planning into their existing operations. The eBook provides simple and practical steps for integration to ensure smoother implementation.

It showcases the **versatility of the features** through real-world examples from industries such as logistics, waste management, and courier services. These examples highlight how businesses can solve challenges and improve operations.

To **build trust through data**, the eBook incorporates measurable results and benefits of using job and route planning. It includes use cases and testimonials that reflect its real-world impact and success.

Finally, the eBook focuses on **enabling smooth integration** by offering clear, step-by-step guidance. This helps businesses enhance productivity, reduce manual effort, and meet operational goals efficiently.

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INTRODUCTION



Managing jobs and routes efficiently is critical for any business with a mobile workforce. Inefficient scheduling, lengthy routes, and manual planning can lead to wasted resources and delayed operations. To overcome these challenges, it's essential to optimize job allocation and route planning.

Our job and route optimization solution empowers businesses to streamline operations, save time, and reduce costs. It helps ensure timely task completion and maximizes resource utilization with ease.

This eBook delves into how our solution enhances efficiency, provides real-time insights, and simplifies planning—making it easier for businesses to deliver exceptional results.

CHALLENGES WITHOUT JOB MONITORING

Delayed job assignments

→ **Reality**

Assigning jobs manually can be slow and prone to errors, especially when managing multiple tasks at once.

→ **Impact**

Delays in job allocation lead to inefficiencies, missed deadlines, and unhappy customers.

Inefficient resource utilization

→ **Reality**

Assigning jobs without considering driver availability or vehicle capacity wastes valuable resources.

→ **Impact**

Reduced productivity and unnecessary expenses due to poor planning.



Suboptimal routing

→ **Reality**

Without optimized routing, drivers may take longer routes or get stuck in traffic.

→ **Impact**

Increased fuel consumption, longer delivery times, and higher operational costs.

Limited real-time visibility

→ **Reality**

Lack of real-time tracking makes it hard to monitor job progress and address on-the-go issues.

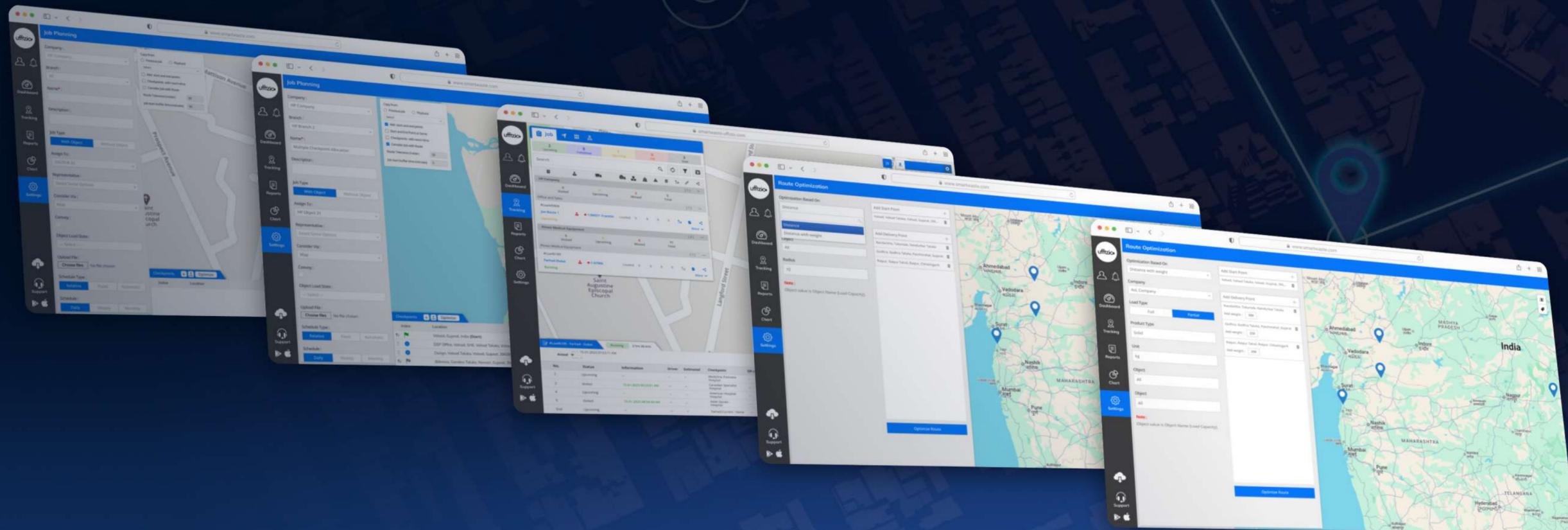
→ **Impact**

Delays, miscommunication, and lost opportunities to make informed decisions.

JOB AND ROUTE OPTIMIZATION FUNCTIONALITIES

This section explains how our job and route optimization feature helps fleet managers streamline operations and improve efficiency. It offers tools to assign jobs quickly and create optimized routes in real time. It also provides insights to identify inefficiencies such as delays or suboptimal routing.

Managers can analyze job progress and routes to address issues proactively and improve performance. The dashboard and reports are easy to use, offering details on job status, driver availability, and route efficiency. With simple controls and mobile access, fleet managers can ensure tasks are completed on time and resources are utilized effectively.



JOB SCHEDULING

Plan and manage jobs efficiently to meet dynamic business needs. With flexible scheduling options, ensure that tasks are assigned seamlessly and completed on time.

The screenshot displays the 'uffizio' Job Planning interface. The browser address bar shows 'www.smartwaste.com'. The interface is divided into a left sidebar with navigation icons (Dashboard, Tracking, Reports, Chart, Settings, and a bottom section with a cloud and headset icon), a main configuration panel, a central map, and a bottom table area.

Job Planning Configuration Panel:

- Company:** HP Company
- Branch:** All
- Name*:** [Empty field]
- Description:** [Empty field]
- Job Type:** With Object (selected), Without Object
- Assign To:** 38629-B-33
- Representative:** Select Some Options
- Consider Via:** Map
- Convoy:** [Unchecked checkbox]
- Object Load State:** --- Select ---
- Upload File:** Choose files (No file chosen)
- Schedule Type:** Relative (selected), Fixed, Automatic

Map: A street map showing Mattison Avenue, Langford Street, Prospect Avenue, and Memorial Drive. Landmarks include Friendship Baptist Church, Bethel African Methodist Episcopal Church, and Asbury Park. A yellow highlighted area is visible on Memorial Drive.

Copy from Dialog:

- Copy from: Previous job (selected), Playback
- Select: [Dropdown menu]
- Add start and end points
- Checkpoints with reach time
- Consider Job with Route
- Route Tolerance (meter): 50
- Job start buffer time (minutes): 50

Bottom Table:

Index	Location	Halt
-------	----------	------

KEY FEATURES

Relative scheduling

Set jobs to occur daily, weekly, or monthly. Adjust their timing to align with changing operational requirements.



Automatic scheduling

Automatically allocate jobs based on location, driver availability, and unplanned needs

Fixed scheduling

Assign jobs to specific dates and times for consistent and predictable workflows.



BENEFITS OF JOB SCHEDULING



1

Optimized operations

Flexible scheduling options help manage tasks more effectively and reduce delays.

2

Improved resource allocation

Efficiently utilize vehicles and drivers to boost productivity.

3

Time savings

Automatic scheduling minimizes manual effort, allowing quicker job assignments and better focus on core operations.

Company :

HP Company

Branch :

All

Name* :

Description :

Job Type

With Object

Without Object

Assign To :

38629-B-33

Representative :

MULTIPLE CHECKPOINT ALLOCATION

Managing deliveries and service jobs with multiple stops requires precision and planning. The multiple checkpoint allocation feature allows fleet managers to assign multiple stops to a single job while ensuring timely and accurate execution. This feature ensures drivers stay on track, reach every checkpoint, and complete tasks as scheduled. It is particularly useful for industries like logistics, courier services, and transportation.

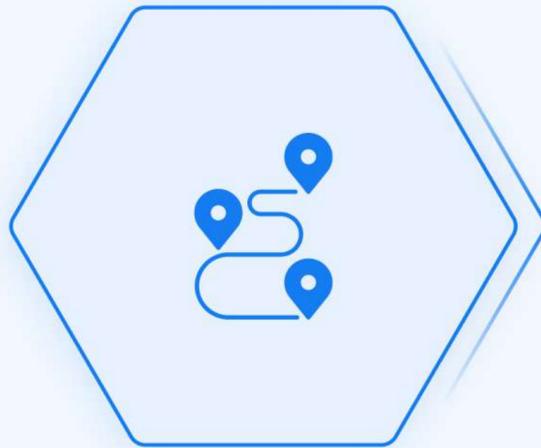
The screenshot displays the 'Job Planning' interface in a web browser. The left sidebar contains navigation icons for Dashboard, Tracking, Reports, Chart, and Settings. The main area is divided into a configuration panel on the left and a map on the right. The configuration panel includes fields for Company (HP Company), Branch (HP Branch 2), Name (Multiple Checkpoint Allocation), Description, Job Type (With Object), Assign To (HP Object 21), Representative (Select Some Options), Consider Via (Map), Convoy, and Object Load State. A 'Copy from' dialog is open, showing options like 'Add start and end points', 'Route Tolerance (meter) 50', and 'Job start buffer time (minutes) 5'. The map shows a route starting at Valsad, Gujarat, India, passing through two checkpoints (Dungri and Bilimora), and ending at Bilimora, Gandevi Taluka, Navsari, Gujarat, India. A table at the bottom lists the checkpoints with their locations and halt times.

Index	Location	Halt
	Valsad, Gujarat, India (Start)	
1	DSP Office, Valsad, SH6, Valsad Taluka, Valsad, Gujarat, 395125, India (Checkpoint 1)	0:00
2	Dungri, Valsad Taluka, Valsad, Gujarat, 396385, India (Checkpoint 2)	0:00
	Bilimora, Gandevi Taluka, Navsari, Gujarat, 396321, India (End)	

KEY FEATURES

Assign checkpoints easily

Create multiple stops for a single job with minimal effort, ensuring detailed route planning.



Monitor real-time progress

Track driver movement at each checkpoint to detect and resolve delays immediately.



Define reach and halt times

Set estimated arrival times and permissible halt durations for better time management.



Ensure route adherence

Avoid missed stops or unnecessary deviations by ensuring drivers follow pre-defined routes.



BENEFITS OF MULTIPLE CHECKPOINT ALLOCATION



1

Streamlined task execution

Efficiently allocate and track jobs with multiple stops.

2

Reduced delays

Ensure on-time job completion with pre-set reach and halt times.

3

Enhanced customer satisfaction

Improve reliability and deliver services without errors.

The screenshot displays a 'Job Planning' interface. On the left, there are settings for 'Copy from' (Previous job, Playback), 'Add start and end points', 'Start and End Point as Same', 'Checkpoints with reach time', and 'Consider job with Route'. Below these are 'Route Tolerance (meter)' set to 50 and 'Job start buffer time (minutes)' set to 5. The main area is a map showing a route with three checkpoints: Start (Valsad, Gujarat, India), Checkpoint 1 (DSP Office, Valsad, SH6, Valsad Taluka, Valsad, Gujarat, 395125, India), and Checkpoint 2 (Dungri, Valsad Taluka, Valsad, Gujarat, 396385, India). The route ends at Bilimora, Gandevi Taluka, Navsari, Gujarat, 396321, India. At the bottom, a table lists the checkpoints:

Index	Location	Halt
	Valsad, Gujarat, India (Start)	
1	DSP Office, Valsad, SH6, Valsad Taluka, Valsad, Gujarat, 395125, India (Checkpoint 1)	0:00
2	Dungri, Valsad Taluka, Valsad, Gujarat, 396385, India (Checkpoint 2)	0:00
	Bilimora, Gandevi Taluka, Navsari, Gujarat, 396321, India (End)	

REAL-TIME JOB TRACKING

Real-time job tracking provides instant visibility into the progress of assigned tasks and routes. This feature empowers fleet managers to monitor delays, deviations, and task completion in real time. By accessing job details instantly, managers can make informed decisions, adjust plans as needed, and ensure tasks stay on schedule. It plays a vital role in reducing disruptions and enhancing operational efficiency.

The screenshot displays the smartwaste.uffizio.com web application. The interface is divided into several sections:

- Header:** Shows the company logo 'uffizio' and navigation icons for Job, Home, and Location.
- Summary Cards:**
 - Overall Job Summary: 2 Upcoming, 0 Completed, 1 Upcoming, 0 Fail, 3 Total.
 - HP Company: 0 Visited, 5 Upcoming, 2 Missed, 5 Total.
 - Office and Sales: 1 Total.
 - #Loa445806 (Jon Route 1): 1-84937- Franklin, Loaded 0, 0, 0, 0.
 - Pimex Medical Equipment: 6 Visited, 5 Upcoming, 0 Missed, 11 Total.
 - #Loa46189 (Farhad-Dubai): C-67506, Running.
- Map:** A map showing the current location of the vehicle (GJ 15 AB 1234) and the route. Landmarks include Friendship Baptist Church, Bethel African Methodist Episcopal Church, and Asbury Park.
- Vehicle Details Panel:**
 - Vehicle: GJ 15 AB 1234
 - Status: Running (17 mins)
 - Current Trip: 06 km
 - Work Hour: 12 hrs
 - Driver: Driver Y (Mobile: 9898989898)
- Task Checklist:**
 - Actual: 15-01-2025 07:53:11 AM
 - Checkpoints: 7 (Visited: 4, Upcoming: 3, Missed: 0)
 - Distance: 24.1 km

No.	Status	Information	Driver	Estimated	Checkpoint	QR code	Checkpoint State	Item Qty	Weight	Address	Load	Permissible Halt	Actual Halt	Item
2	Upcoming	--	--	--	Mediclinic Parkview Hospital	--	Delivery	0	0.00	Mediclinic Parkview Hospital	0	00:00	00:00	--
3	Visited	15-01-2025 09:20:01 AM	--	--	Canadian Specialist Hospital	--	Delivery	0	0.00	Canadian Specialist Hospital	0	00:00	00:18	--
4	Upcoming	--	--	--	American Hospital Hospital	--	Collection of items	0	0.00	American Hospital Hospital	0	00:00	00:00	--
5	Visited	15-01-2025 08:54:40 AM	--	--	Aster Qusais - Hospital	--	Submission of Documents	0	0.00	Aster Qusais - Hospital	0	00:00	00:07	--
End	Upcoming	--	--	--	Farhad Current - Home	--	Work Done	0	0.00	Farhad Current - Home	0	00:00	00:00	--

KEY FEATURES

Live job updates

Monitor job progress in real time to address delays or disruptions immediately.



Proactive alerts

Receive instant notifications for route deviations or unexpected stops.



Tooltips for quick details

Access detailed job descriptions and driver statuses with ease.



Improved communication

Keep managers and drivers aligned with up-to-date information.



BENEFITS OF REAL-TIME JOB TRACKING



1

Enhanced operational efficiency

Minimize downtime by addressing delays promptly.

2

Better decision-making

Make informed adjustments to routes or schedules in real time.

3

Increased reliability

Ensure tasks are completed on time, improving service quality.

The screenshot shows a dashboard with a blue header containing 'Job' and navigation icons. Below the header is a summary bar with colored boxes: 2 Upcoming (green), 0 Completed (purple), 1 Upcoming (yellow), 0 Fail (red), and 3 Total (grey). A search bar and filter icons are present. The main content area lists several job entries with status indicators and counts.

Job Entry	Upcoming	Completed	Missed	Total
HP Company	5	0	2	5
Office and Sales	1	0	0	1
Jon Route 1 (1-84937- Franklin)	0	0	0	0
Pimex Medical Equipment	5	6	0	11
Pimex Medical Equipment	1	0	0	1
Farhad-Dubai (C-67506)	0	0	0	0

OPTIMIZATION BASED ON DISTANCE

Optimizing routes based on distance is crucial for improving efficiency and reducing operational costs. This feature calculates the shortest and most efficient route between multiple stops, considering traffic patterns and other variables. By minimizing travel distances, fleet managers can reduce fuel consumption, save time, and enhance overall productivity.

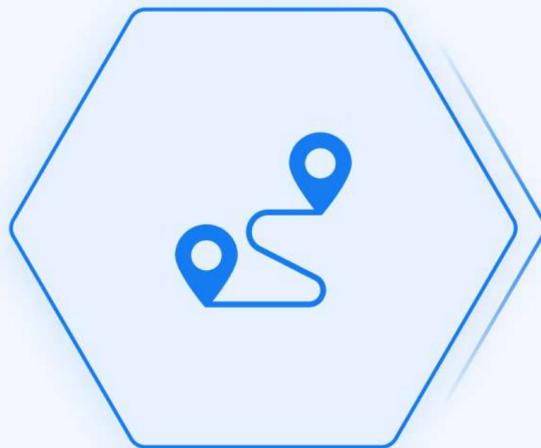
The screenshot displays the 'Route Optimization' interface on the website www.smartwaste.com. The interface is divided into several sections:

- Left Sidebar:** Contains navigation icons for 'uffizio', 'Dashboard', 'Tracking', 'Reports', 'Chart', 'Settings', and a user profile icon.
- Header:** A blue bar with the title 'Route Optimization'.
- Optimization Based On:** A dropdown menu with 'Distance' selected. Other options include 'Distance with weight' and 'Object'.
- Object:** A dropdown menu with 'All' selected.
- Radius:** A text input field containing the value '10'.
- Note:** A red text note stating 'Object value is Object Name [Load Capacity].'
- Add Start Point:** A list of points including 'Valsad, Valsad Taluka, Valsad, Gujarat, 395...'. A plus sign is used to add more points.
- Add Delivery Point:** A list of points including 'Nandarkhe, Tokartale, Nandurbar Taluka', 'Godhra, Godhra Taluka, Panchmahal, Gujarat', and 'Raipur, Raipur Tahsil, Raipur, Chhattisgarh'. A plus sign is used to add more points.
- Map:** A map of India showing several cities marked with blue location pins. The cities include Ahmedabad, Vadodara, Surat, Mumbai, Pune, Nashik, Indore, Nagpur, Raipur, and Hyderabad. The map also shows state boundaries for Madhya Pradesh, Maharashtra, and Telangana.
- Bottom:** A blue button labeled 'Optimize Route'.

KEY FEATURES

Shortest route calculation

Automatically generate the most efficient route between multiple locations.



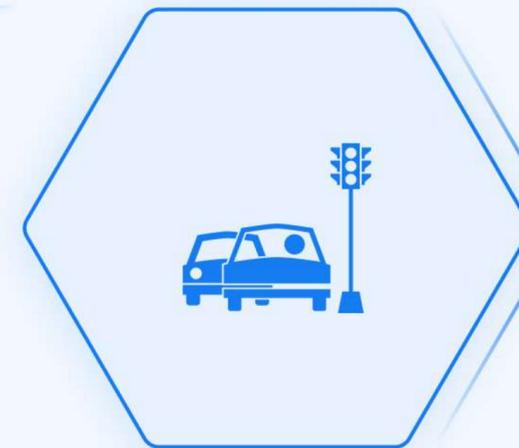
Reduced mileage

Minimize unnecessary travel distances to lower operational costs.



Traffic-aware planning

Incorporate real-time traffic data to avoid congested areas and delays.



Flexible route adjustments

Adapt routes dynamically based on changes or emergencies.



BENEFITS OF OPTIMIZATION BASED ON DISTANCE



Total Trips : 1		
3	1	1357.6
Stop Points	Objects	Distance (km)

Trips 1		
 HP Object 44		
	Uffizio India Software, 208-210, SH 67 Valsad, Valsad Taluka, Valsad, Gujarat,	
	Sathy - Athani - Bhavani Road, Athani, Anthiyur, Erode, Tamil Nadu, 638502, India	
3	135.7.6	--
Stoppage	Distance (km)	Duration

1

Lower fuel costs

Save on fuel expenses by reducing travel distances.

2

Faster job completion

Complete tasks quickly with efficient routing.

3

Increased fleet productivity

Maximize resource utilization with smarter route planning.

OPTIMIZATION BASED ON DISTANCE WITH WEIGHT

This feature takes route optimization to the next level by considering both the distance and the weight of cargo while planning routes. By factoring in vehicle capacity and load weight, it ensures efficient resource utilization. This feature minimizes the number of trips required, reduces fuel consumption, and enhances overall fleet performance, making it ideal for logistics, distribution, and delivery industries.

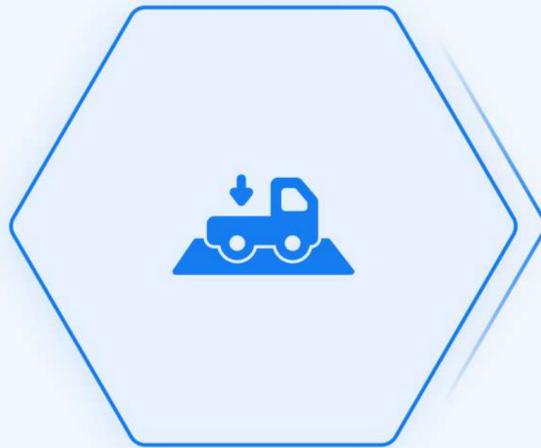
The screenshot displays the 'Route Optimization' interface on the website www.smartwaste.com. The interface is divided into several sections:

- Left Sidebar:** Contains navigation icons for 'uffizio', 'Dashboard', 'Tracking', 'Reports', 'Chart', 'Settings', and a cloud upload icon.
- Header:** 'Route Optimization' title in a blue bar.
- Form Section (Left):**
 - Optimization Based On:** A dropdown menu set to 'Distance with weight'.
 - Company:** A dropdown menu set to 'AsL Company'.
 - Load Type:** Two buttons, 'Full' and 'Partial', with 'Partial' selected.
 - Product Type:** A text input field containing 'Solid'.
 - Unit:** A text input field containing 'kg'.
 - Object:** Two text input fields, both containing 'All'.
- Form Section (Right):**
 - Add Start Point:** A text input field containing 'Valsad, Valsad Taluka, Valsad, Gujarat, 395...'. Below it is a trash icon.
 - Add Delivery Point:** A text input field containing 'Nandarkhe, Tokartale, Nandurbar Taluka'. Below it is a trash icon.
 - Add weight:** Three input fields with values '300', '250', and '290'.
- Map:** A map of India showing various states (MADHYA PRADESH, MAHARASHTRA, TELANGANA, CHHATTISGARH) and cities. Several blue location pins are placed on the map, including Ahmedabad, Vadodara, Surat, Mumbai, Pune, Nashik, Indore, Nagpur, Raipur, and Hyderabad.
- Bottom:** A blue button labeled 'Optimize Route'.
- Note:** A red 'Note:' icon followed by the text 'Object value is Object Name [Load Capacity].'

KEY FEATURES

Load-aware routing

Optimize routes by balancing cargo weight and distance to reduce inefficiencies.



Vehicle capacity management

Ensure vehicles are loaded to their maximum capacity for fewer trips.



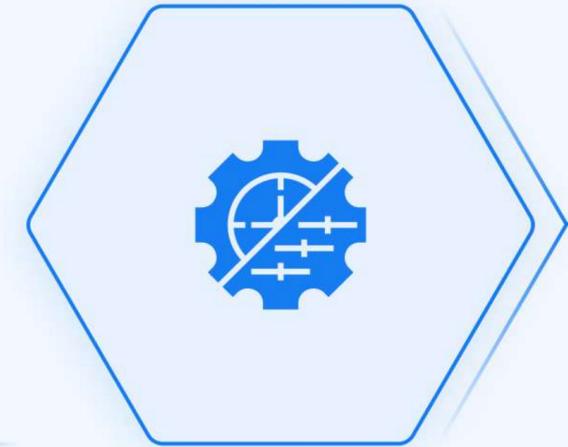
Cost-effective deliveries

Reduce transportation costs by efficiently utilizing fleet resources.



Dynamic adjustments

Adapt routes in real time based on changes in load requirements.





BENEFITS OF OPTIMIZATION BASED ON DISTANCE WITH WEIGHT

Total Trips : 1			
3	1	1204	
Stop Points	Objects	Distance (km)	
Trips 1 +			
	HP Object 44		
	Uffizio India Software, 208-210, SH 67 Valsad, Valsad Taluka, Valsad, Gujarat,		
	A-12, Green Park, Opposite Metro Station, Near Main Market, New Delhi - 110016.		
3	1204	19 h 40 m	500
Stoppage	Distance (km)	Duration	Weight (kg)

1

Cost savings

Lower fuel expenses and reduce wear and tear on vehicles.

2

Improved delivery efficiency

Complete jobs faster with fewer trips and optimized routes.

3

Enhanced resource utilization

Maximize fleet performance by balancing load capacity effectively.

CRITICAL ALERT NOTIFICATIONS



Receive instant alerts to address key issues, ensuring smooth operations and better decision-making. Our system enhances visibility and helps you take proactive steps to avoid disruptions.

→ **Job delay alerts**

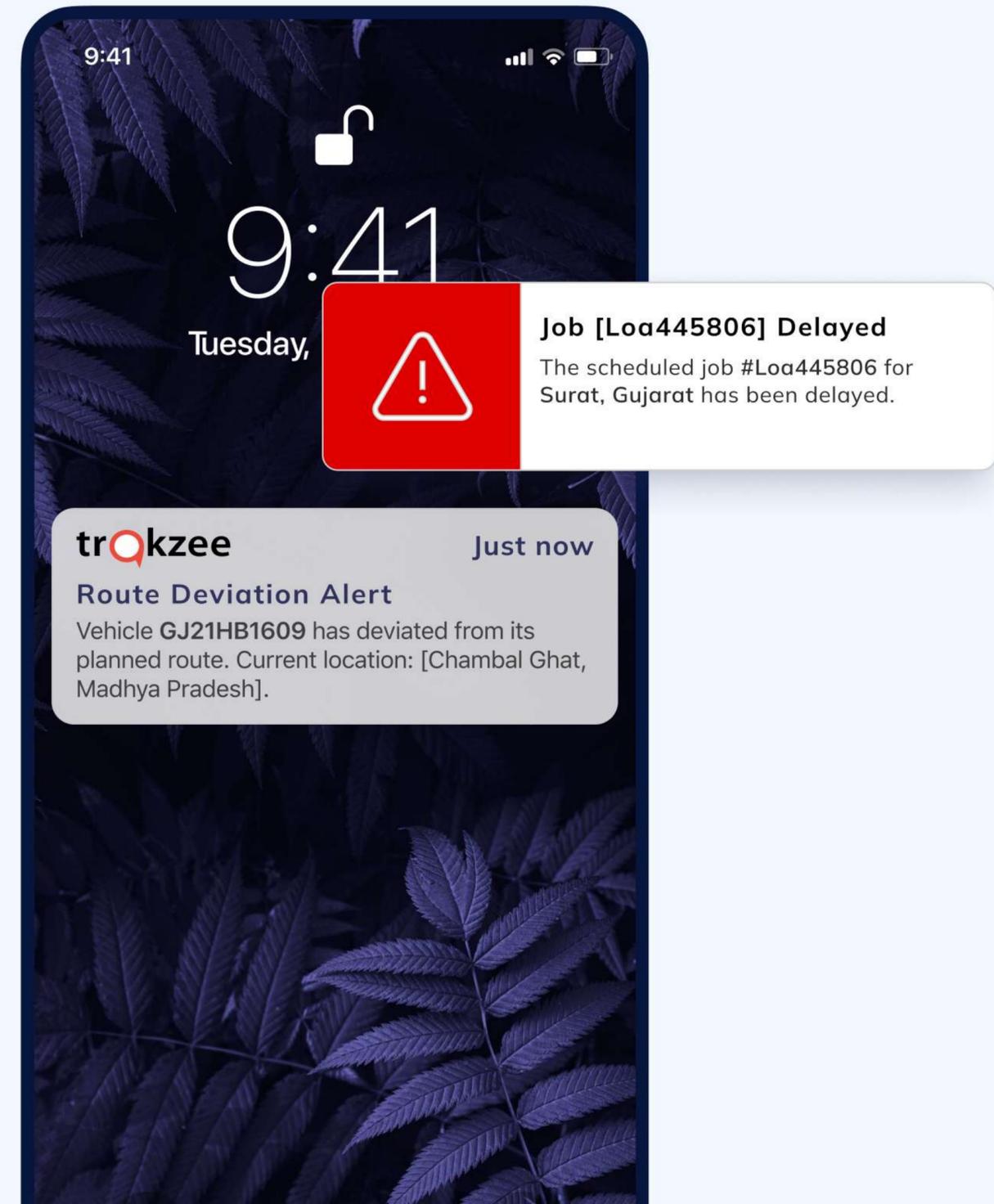
Get notified if a job is delayed beyond the scheduled time. This allows managers to take quick corrective actions, minimizing impact on operations.

→ **Deviation alerts**

Receive alerts when vehicles deviate from the planned route or schedule. This helps ensure compliance with pre-approved routes and avoids unnecessary delays.

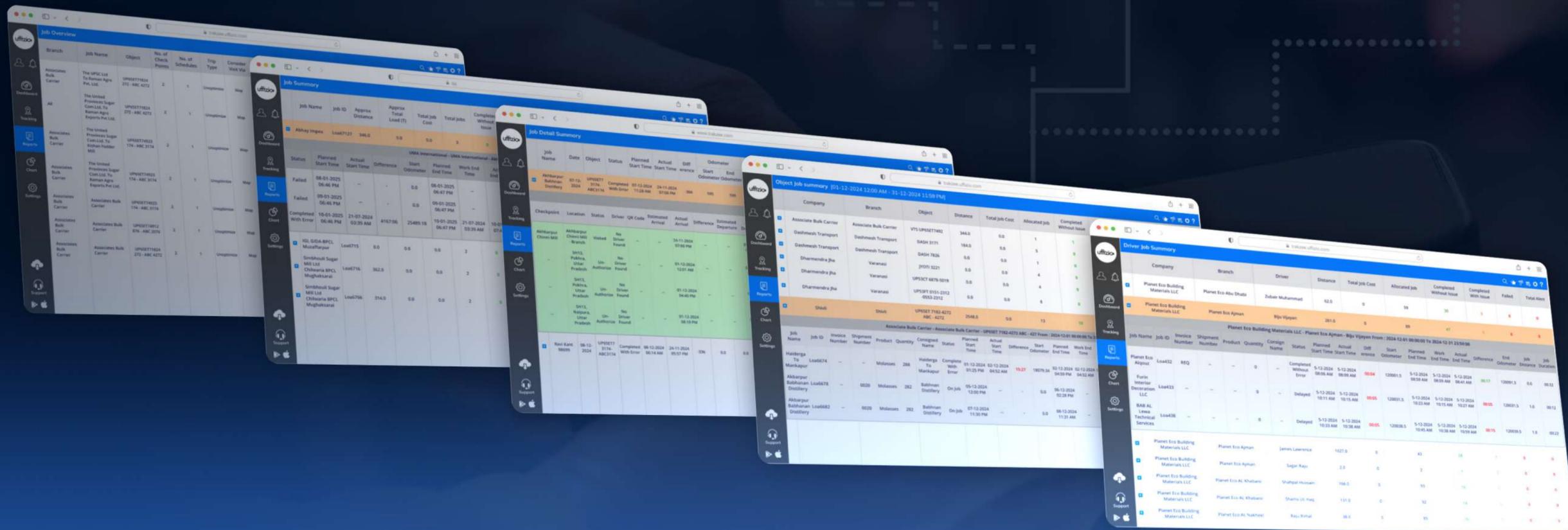
→ **Idle time notifications**

Monitor excessive idle times for vehicles at jobs or checkpoints. Reducing idle time improves resource utilization and operational efficiency.



DETAILED REPORTS

Reports are the foundation of effective job and route optimization. They provide actionable insights into job performance, route efficiency, and operational patterns, enabling managers to make informed decisions. With our advanced system, generating detailed, easy-to-understand reports becomes a seamless process, improving overall operational visibility and efficiency.



TODAY'S JOB STATUS REPORT

The Today's Job Status Report provides a quick overview of all ongoing, completed, and planned jobs. It helps fleet managers monitor job progress, time adherence, and checkpoint completion to ensure efficient daily operations.

Branch	Job Name	Object	No. of Check Points	No. of Schedules	Trip Type	Consider Visit Via	Schedule Type	Round Trip	Valid From	Valid To	Status	Created Date	Trip Created Date	Job Type
Associates Bulk Carrier	The UPSC Ltd To Raman Agro Pvt. Ltd.	UP65ET71824 272 - ABC 4272	2	1	Unoptimize	Map	Fixed	No	18-09-2024	19-09-2024	Completed	18-09-2024 06:08:51 PM	Manual	With Object
All	The United Provinces Sugar Com.Ltd. To Raman Agro Exports Pvt Ltd.	UP65ET71824 272 - ABC 4272	2	1	Unoptimize	Map	Fixed	No	15-06-2024	17-06-2024	Completed	15-06-2024 04:50:54 PM	Manual	With Object
Associates Bulk Carrier	The United Provinces Sugar Com.Ltd. To Kishan Fodder Mill	UP65ET74923 174 - ABC 3174	2	1	Unoptimize	Map	Fixed	No	24-12-2024	25-12-2024	Completed	24-12-2024 01:22:58 PM	Manual	With Object
Associates Bulk Carrier	The United Provinces Sugar Com.Ltd. To Raman Agro Exports Pvt Ltd.	UP65ET74923 174 - ABC 3174	2	1	Unoptimize	Map	Fixed	No	24-12-2024	25-12-2024	Completed	24-12-2024 01:22:58 PM	Manual	With Object
Associates Bulk Carrier	Associates Bulk Carrier	UP65ET74923 174 - ABC 3174	2	1	Unoptimize	Map	Fixed	No	07-01-2025	08-01-2025	Completed	07-01-2025 11:23:51 PM	Manual	With Object
Associates Bulk Carrier	Associates Bulk Carrier	UP65ET74912 076 - ABC 2076	2	1	Unoptimize	Map	Fixed	No	08-01-2025	09-01-2025	Completed	08-01-2025 11:23:51 PM	Manual	With Object
Associates Bulk Carrier	Associates Bulk Carrier	UP65ET71824 272 - ABC 4272	2	1	Unoptimize	Map	Fixed	No	02-01-2025	03-01-2025	Completed	02-01-2025 11:23:51 PM	Manual	With Object



KEY INSIGHTS

- 1 Planned vs. actual times**
Track the difference between planned start/end times and actual timings to evaluate efficiency and identify delays.
- 2 Job progress tracking**
Monitor the status of each job (e.g., ongoing, completed, or pending) for real-time insights.
- 3 Checkpoint monitoring**
Review checkpoints visited, skipped, or missed during the job.
- 4 Driver and vehicle performance**
Assess individual driver and vehicle activity to enhance resource management.

BENEFIT

Enables fleet managers to track daily job performance, ensuring tasks are executed efficiently and on time.

JOB SUMMARY REPORT

The Job Summary Report delivers a view of all completed, ongoing, and failed jobs. It helps fleet managers analyze key metrics like job status, distances covered, and costs to enhance operational efficiency.

Job Summary [01-28-2025 12:00 AM - 01-31-2025 11:59 PM]																	
Job Name	Job ID	Approx Distance	Approx Total Load (T)	Total Job Cost	Total Jobs	Completed Without Issue	Completed With Issue	Failed	Total Alerts	Object Load State	Document	Total Expense	Representative				
Abhay Impex	Loa67127	346.0	0.0	0.0	3	0	1	2	2	Loaded	--	0	--				
UMA International - UMA International - Abhay Impex From : 2025-01-07 00:00:00 To 2025-01-13 11:08:00																	
Status	Planned Start Time	Actual Start Time	Difference	Start Odometer	Planned End Time	Work End Time	Actual End Time	Difference	End Odometer	Job Distance	Job Duration	Job Cost	Allocated Points	Visited Points	Missed Points	Alerts	Playback
Completed Without Error	01-28-2025 06:40 PM	01-28-2025 06:30 PM	00:10	4443.51	01-28-2025 08:25 PM	01-28-2025 08:07 PM	01-28-2025 08:07 PM	00:18	4472.51	29.0	01:37	0.0	13	13	0	0	▶
Completed With Error	01-29-2025 06:40 PM	01-29-2025 06:40 PM	00:10	4569.76	01-29-2025 08:25 PM	01-29-2025 07:58 PM	01-29-2025 07:58 PM	00:26	4567.76	28.0	01:29	0.0	13	12	1	0	▶
Completed Without Error	01-30-2025 06:40 PM	01-30-2025 03:39 AM	00:10	4508.82	01-30-2025 08:25 PM	01-30-2025 08:05 PM	01-30-2025 08:05 PM	00:20	4536.82	28.0	01:35	0.0	13	13	0	0	▶
Completed Without Error	01-31-2025 06:40 PM	01-31-2025 03:30 AM	00:10	4564.69	01-31-2025 08:25 PM	01-31-2025 08:18 PM	01-31-2025 08:18 PM	00:07	4591.69	27.0	01:48	0.0	13	13	0	0	▶
+	Simbhoul Sugar Mill Ltd Chilwaria BPCL Mughaksarai	Loa6716	362.0	0.0	0.0	2	0	0	2	0	Loaded	--	0	--			
	Simbhoul Sugar Mill Ltd																



KEY INSIGHTS

- 1 Comprehensive job details**
Get an overview of jobs with parameters like job ID, name, distance, and load.
- 2 Completion status**
Track the number of jobs completed successfully, completed with issues, or failed.
- 3 Cost analysis**
Monitor total job costs to ensure budget adherence and operational efficiency.
- 4 Alert tracking**
Review alerts generated during job execution to address potential issues proactively.

BENEFIT

Provides a comprehensive overview of all jobs to help managers analyze operational efficiency and identify areas for improvement.

JOB DETAIL SUMMARY

The Job Detail Summary provides a detailed breakdown of each job, covering planned vs. actual data, route distances, driver performance, and load details. It helps managers analyze job-specific data for operational improvements.

Job Detail Summary [01-12-2024 12:00 AM - 31-12-2024 11:59 PM]																				
Job Name	Date	Object	Status	Planned Start Time	Actual Start Time	Difference	Odometer		Planned End Time	Actual End Time	Difference	Est Distance	Distance		Distance				Duration	
							Start Odometer	End Odometer					Distance	Distance %	On Route	Off Route	On Route %	Off Route %		
Akhbarpur Babhnan Distillery	07-12-2024	UP65ET7 3174-ABC3174	Completed With Error	07-12-2024 11:28 AM	24-11-2024 07:00 PM	-304	595	599	08-12-2024 11:29 AM	08-12-2024 06:13 PM	-17	0.0	426	100	426	0.0	100	0	311	
Checkpoint	Location	Status	Driver	QR Code	Estimated Arrival	Actual Arrival	Difference	Estimated Departure	Actual Departure	Difference	Load			Event	Permission Halt	Actual Halt	Halt Difference	Checkpoint State	Driver Coordinate Map	
Akhbarpur Chinni Mill	Akhbarpur Chinni Mill - Branch	Visited	No Driver Found	--	--	24-11-2024 07:00 PM	--	--	07-12-2024 05:11 PM	--	0.0	0.0	0.0	--	00:00	310:11	310:11	Loading	--	
--	SH13, Pokhra, Uttar Pradesh	Un-Authorize	No Driver Found	--	--	01-12-2024 12:01 AM	--	--	01-12-2024 04:39 PM	--	0.0	0.0	0.0	--	00:00	16:38	16:38	--	--	
--	SH13, Pokhra, Uttar Pradesh	Un-Authorize	No Driver Found	--	--	01-12-2024 04:40 PM	--	--	01-12-2024 07:40 PM	--	0.0	0.0	0.0	--	00:00	03:00	03:00	--	--	
--	SH13, Naipura, Uttar Pradesh	Un-Authorize	No Driver Found	--	--	01-12-2024 08:10 PM	--	--	02-12-2024 05:19 PM	--	0.0	0.0	0.0	--	00:00	09:09	09:09	--	--	
Ravi Kant 98699	08-12-2024	UP65ET7 3174-ABC3174	Completed With Error	08-12-2024 06:14 AM	24-11-2024 05:57 PM	-336	0.0	0.0	09-01-2025 11:59 PM	25-11-2024 03:06 PM	-110	0.0	0.0	0	0.0	0.0	100	0	09:00	



KEY INSIGHTS

- 1 Planned vs. actual data**
Compare planned start/end times and distances with actual values to identify delays and inefficiencies.
- 2 Detailed job tracking**
Access information like job name, ID, date, object type, and load status for precise monitoring.
- 3 Route performance**
Analyze route adherence percentages and deviations to improve route planning.
- 4 Driver performance**
Evaluate driver activity based on completed jobs, errors, and assigned tasks.

BENEFIT

Delivers granular insights into every job for effective evaluation and operational enhancements.

OBJECT JOB SUMMARY

The Object Job Summary report analyzes jobs assigned to specific vehicles or assets, highlighting key metrics like distances, costs, completion status, and alerts for object-wise performance evaluation.

Object Job Summary [01-12-2024 12:00 AM - 31-12-2024 11:59 PM]											
Company	Branch	Object	Distance	Total Job Cost	Allocated Job	Completed Without Issue	Completed With Issue	Failed	Total Alert	Object Type	
ABC Corporation	ABC Branch 2.3	VTS UP65ET7492	344.0	0.0	1	1	0	0	0	Default	
DEF Ltd.	DEF Branch 1.2	DASH 3171	184.0	0.0	5	0	1	4	0	Default	
GHI Industries	GHI Branch 4.1	DASH 7826	0.0	0.0	1	0	0	1	0	Default	
XYZ Enterprises	XYZ Branch 5.2	JYOTI 3221	0.0	0.0	4	0	0	4	0	Default	
Max Solutions	CleanMax Branch 2.4	UP53CT 6878-5019	0.0	0.0	4	0	0	4	0	Default	
EcoGreen Services	EcoGreen Branch 3.1	UP53FT 0151-2312 -0553-2312	0.0	0.0	8	0	0	8	0	Default	
Rapid Solutions	Rapid Branch 6.2	UP65ET 7182-4272 ABC - 4272	2548.0	0.0	13	10	1	2	0	Default	

Associate Bulk Carrier - Associate Bulk Carrier - UP65ET 7182-4272 ABC - 427 From : 2024-12-01 00:00:00 To 2024-12-31 23:59:00																			
Job Name	Job ID	Invoice Number	Shipment Number	Product	Quantity	Consigned Name	Status	Planned Start Time	Actual Start Time	Difference	Start Odometer	Planned End Time	Work End Time	Actual End Time	Difference	End Odometer	Job Distance	Job Duration	Allocated Points
Haiderga To Mankapur	Loa6674	--	--	Molasses	288	Haiderga To Mankapur	Complete With Error	01-12-2024 01:25 PM	02-12-2024 04:52 AM	15:27	18079.34	02-12-2024 04:59 PM	02-12-2024 04:52 AM	02-12-2024 05:59 PM	01:00	18119.34	40.0	13:07	6
Akbarpur Babhanan Distillery	Loa6678	--	0020	Molasses	282	Babhanan Distillery	On Job	05-12-2024 12:00 PM	--	-	0.0	06-12-2024 02:28 PM	--	--	911:18	0.0	0.0	00:00	2
Akbarpur Babhanan Distillery	Loa6682	--	0020	Molasses	282	Babhanan Distillery	On Job	07-12-2024 12:00 PM	--	-	0.0	08-12-2024 02:28 PM	--	--	863:48	0.0	0.0	00:00	2



KEY INSIGHTS

- 1 Object-specific job tracking**
Review details such as total jobs allocated, completed, or failed for each object.
- 2 Performance metrics**
Analyze distances covered and total job costs associated with individual objects.
- 3 Completion breakdown**
Monitor jobs completed with or without issues to identify performance trends.
- 4 Alert monitoring**
Track alerts raised during job execution to address potential concerns.

BENEFIT

Focuses on object-specific performance, allowing managers to allocate jobs more effectively to maximize resource utilization.



KEY INSIGHTS

- 1 Driver-specific job tracking**
Review total jobs allocated, completed successfully, or completed with issues for each driver.
- 2 Distance and cost analysis**
Track the total distance covered and job costs associated with each driver.
- 3 Completion trends**
Identify drivers with consistent performance or recurring issues to ensure accountability.
- 4 Alert monitoring**
Track alerts raised during job execution for quick corrective actions.

BENEFIT

Facilitates better driver management by providing insights into individual driver performance and reliability.

KEY REASONS TO INVEST

WHY SYSTEM INTEGRATORS SHOULD INVEST IN OUR JOB AND ROUTE OPTIMIZATION SOLUTION

Delivering optimized job scheduling and route planning to your clients helps them enhance productivity, reduce operational costs, and improve service quality. These capabilities reinforce your value as an integrator, supporting your clients' operational goals.



JOB AND ROUTE FEATURES IN MOBILE APP

Ensure efficient job allocation, route management, and seamless tracking with advanced digital tools.

Job Assignment

Assign and monitor jobs in real-time, ensuring the right task is allocated to the right personnel, minimizing delays and miscommunication.



Live Tracking

Track fleet movements and job progress in real-time to ensure adherence to planned routes and schedules, improving operational transparency.



Route Management

Managers can optimize delivery routes directly from the app, reducing fuel consumption and travel time while improving on-time performance.



Offline Functionality

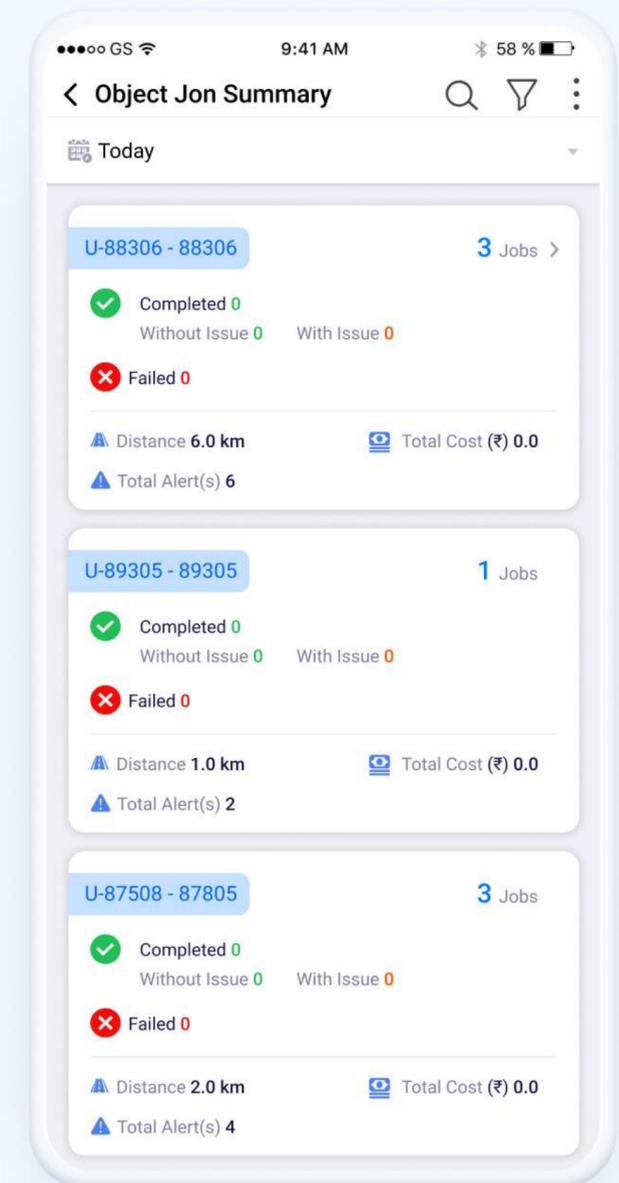
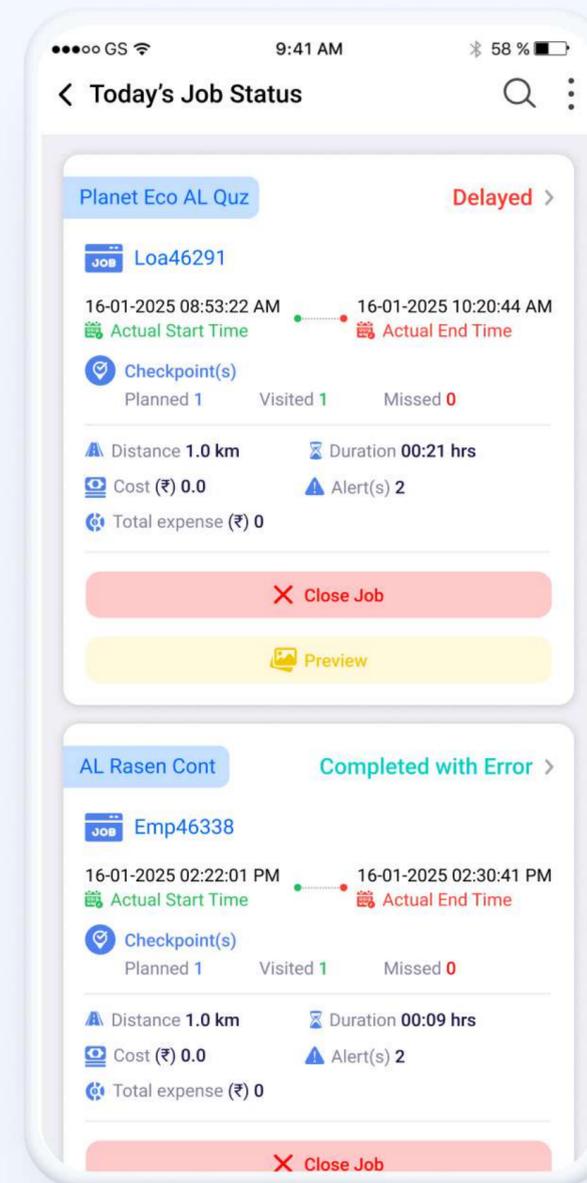
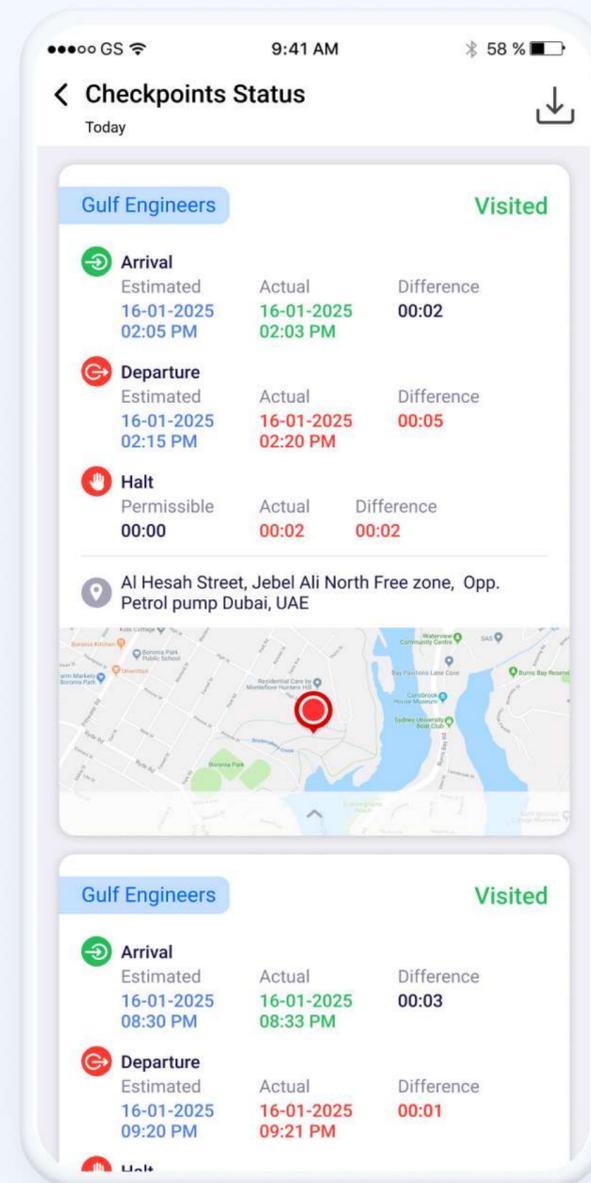
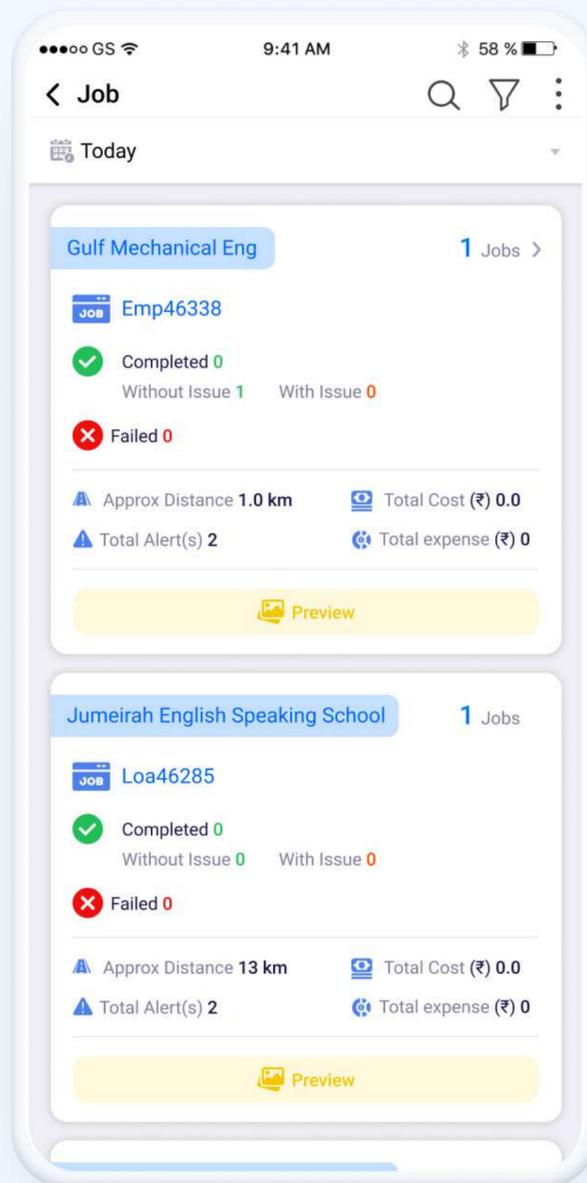
Enable drivers to access assigned jobs and routes even in areas with poor connectivity, ensuring uninterrupted operations.





MANAGE YOUR FLEET WITH OUR MOBILE APP

Get instant access to live job updates, optimized routes, and actionable insights. Manage your fleet efficiently and professionally with ease through our mobile application.



USE CASES ACROSS INDUSTRIES



Logistics & Transport



Courier and Food Delivery



Waste Management



Tour and Travel Services



Construction and Heavy Equipment Management

Use Case

LOGISTICS & TRANSPORT

CHALLENGES



→ **Delays due to inefficient routing**

Poor route planning leads to unnecessary detours and increased delivery times, causing missed deadlines.

→ **Underutilized resources**

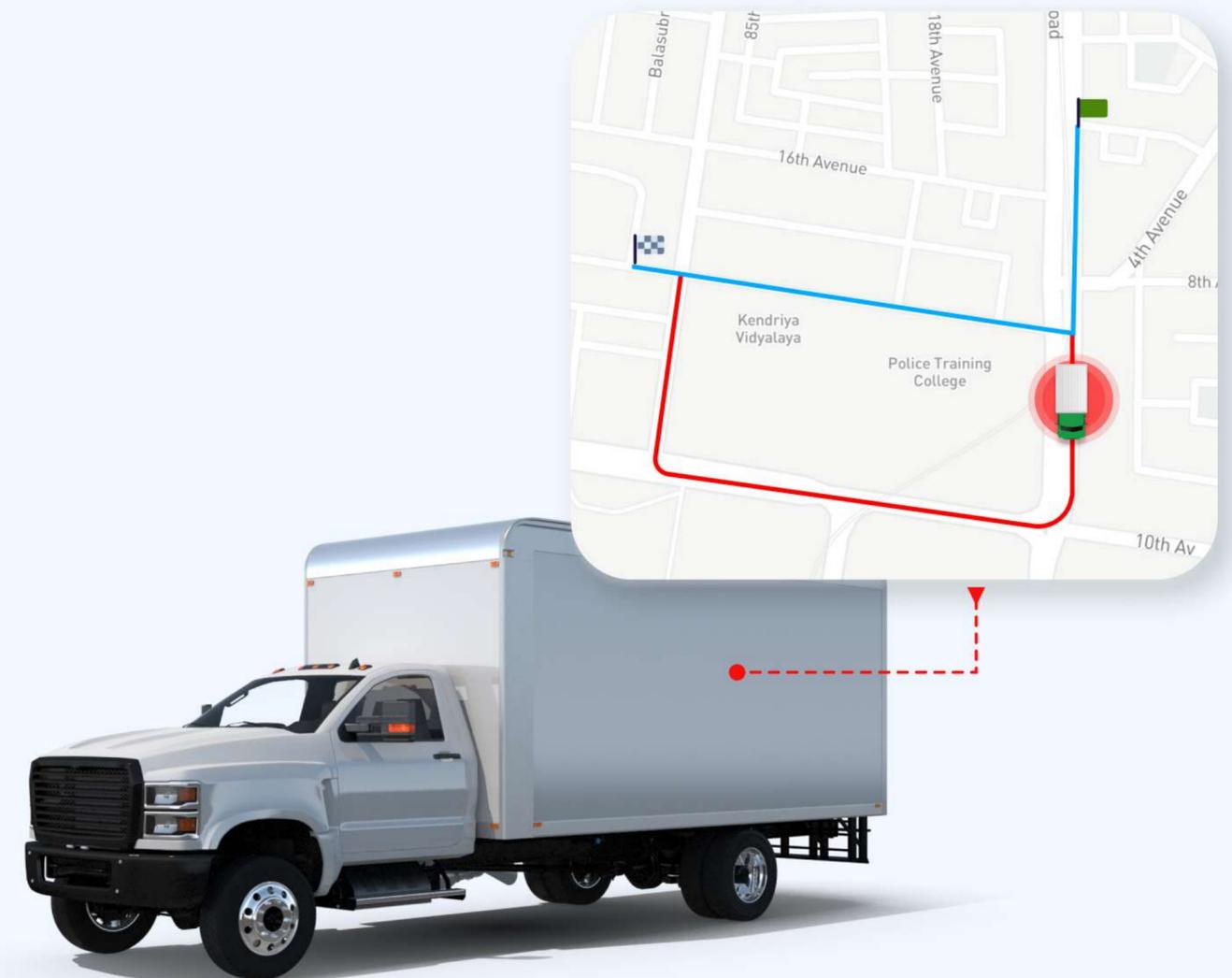
Without optimized job allocation, vehicles and drivers are not used to their full potential, increasing operational costs.

→ **High operational costs**

Inefficient fuel usage and idle time add to expenses, impacting profitability.

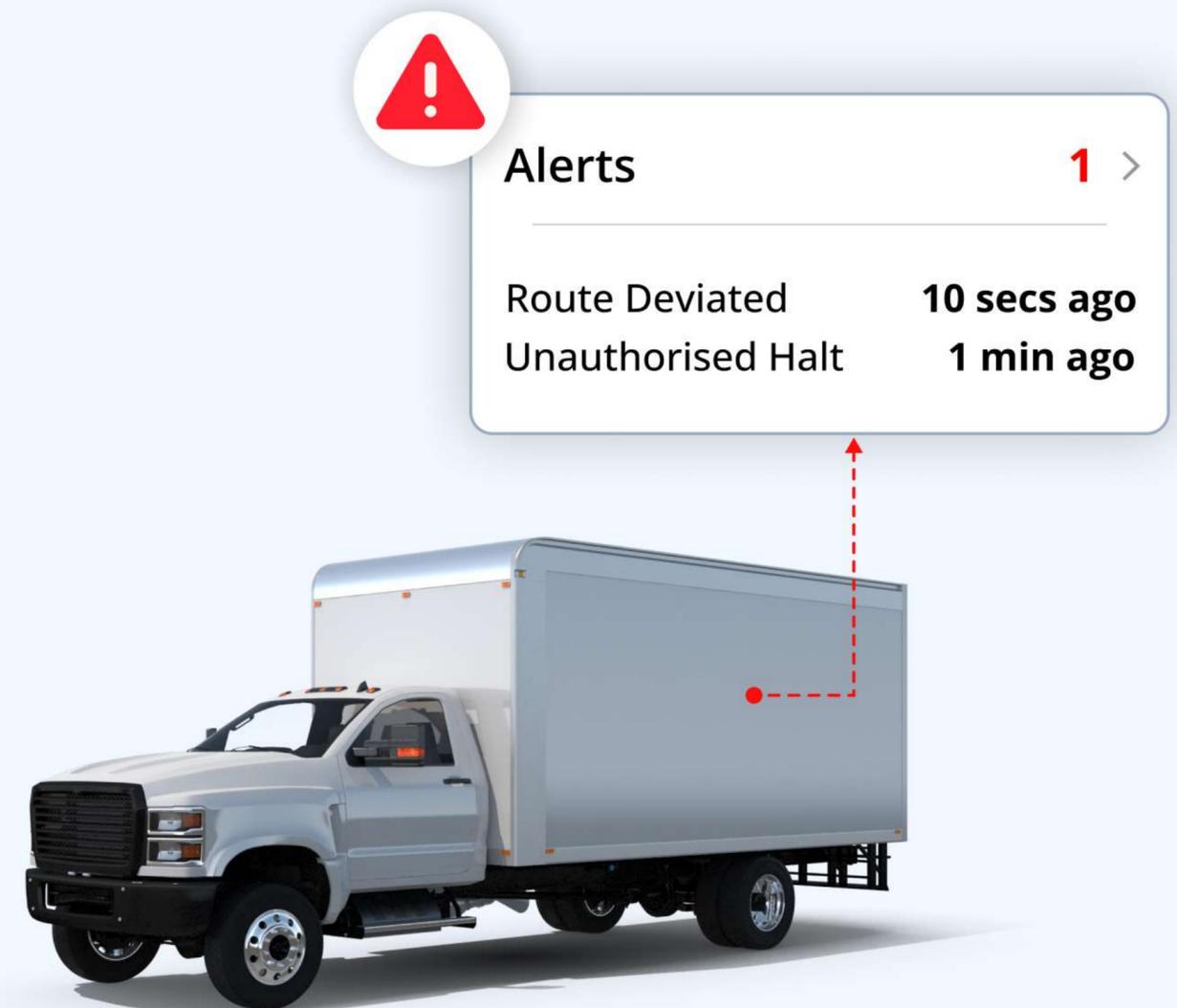
→ **Customer dissatisfaction**

Delays and a lack of delivery updates lead to frustrated clients and a damaged reputation.



SOLUTIONS

- **Automated route planning**
Generate the shortest and most efficient routes based on real-time data, traffic patterns, and delivery priorities.
- **Smart job allocation**
Assign jobs to the nearest available vehicles or drivers to reduce downtime and improve resource utilization.
- **Real-time tracking and updates**
Provide live tracking and automated alerts to ensure timely delivery and transparent operations.
- **Proactive alerts for route deviations**
Notify managers of unexpected route changes to resolve issues quickly and maintain schedule adherence.



RESULTS



1

Improved resource utilization

Maximize vehicle and driver productivity with smart scheduling and real-time monitoring.

2

Enhanced customer satisfaction

Meet delivery deadlines consistently, improving client trust and loyalty.

3

Faster deliveries with reduced costs

Optimized routing not only shortens travel times, ensuring on-time deliveries, but also minimizes unnecessary mileage. This leads to a significant 20% reduction in fuel expenses.

Use Case

COURIER AND FOOD DELIVERY

CHALLENGES

→ Missed delivery timeframes

Poor route planning and traffic congestion result in late deliveries, leading to dissatisfied customers and loss of trust.

→ Unoptimized resource allocation

Inefficient assignment of delivery personnel increases delivery times and operational inefficiencies.

→ High fuel and maintenance costs

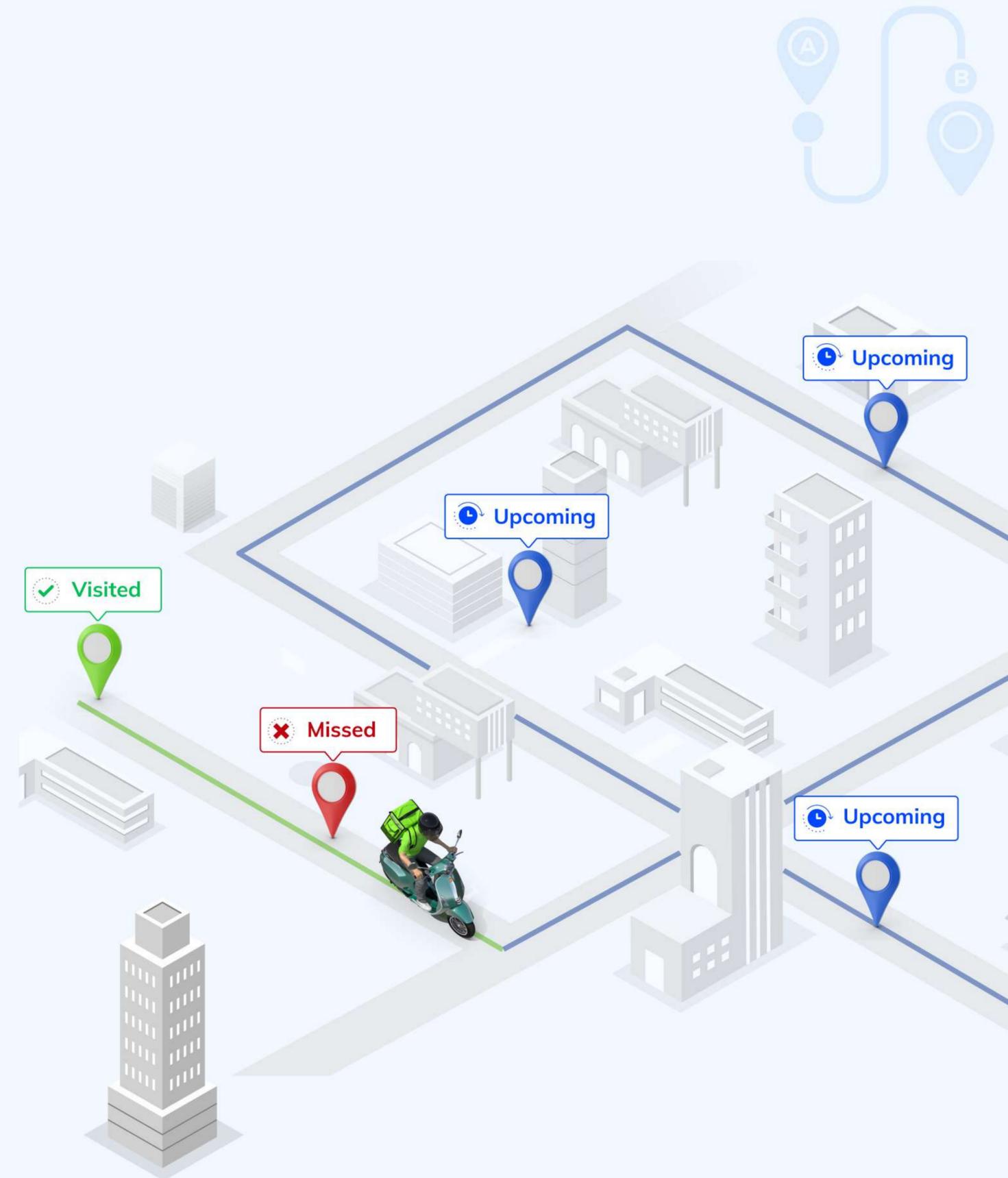
Excessive mileage due to unoptimized routes escalates fuel consumption and vehicle wear and tear.

→ Lack of real-time tracking and updates

Absence of live tracking makes it difficult to provide accurate delivery ETAs to customers, causing frustration.

→ Handling a high volume of orders

Managing a large number of orders during busy hours becomes challenging, leading to delays and mistakes in deliveries.



SOLUTIONS

→ Real-time route optimization

Generate the most efficient delivery routes dynamically, factoring in traffic and order locations.

→ Smart job scheduling

Automatically allocate jobs based on the proximity of delivery personnel to the delivery point, reducing idle time.

→ Fuel-saving features

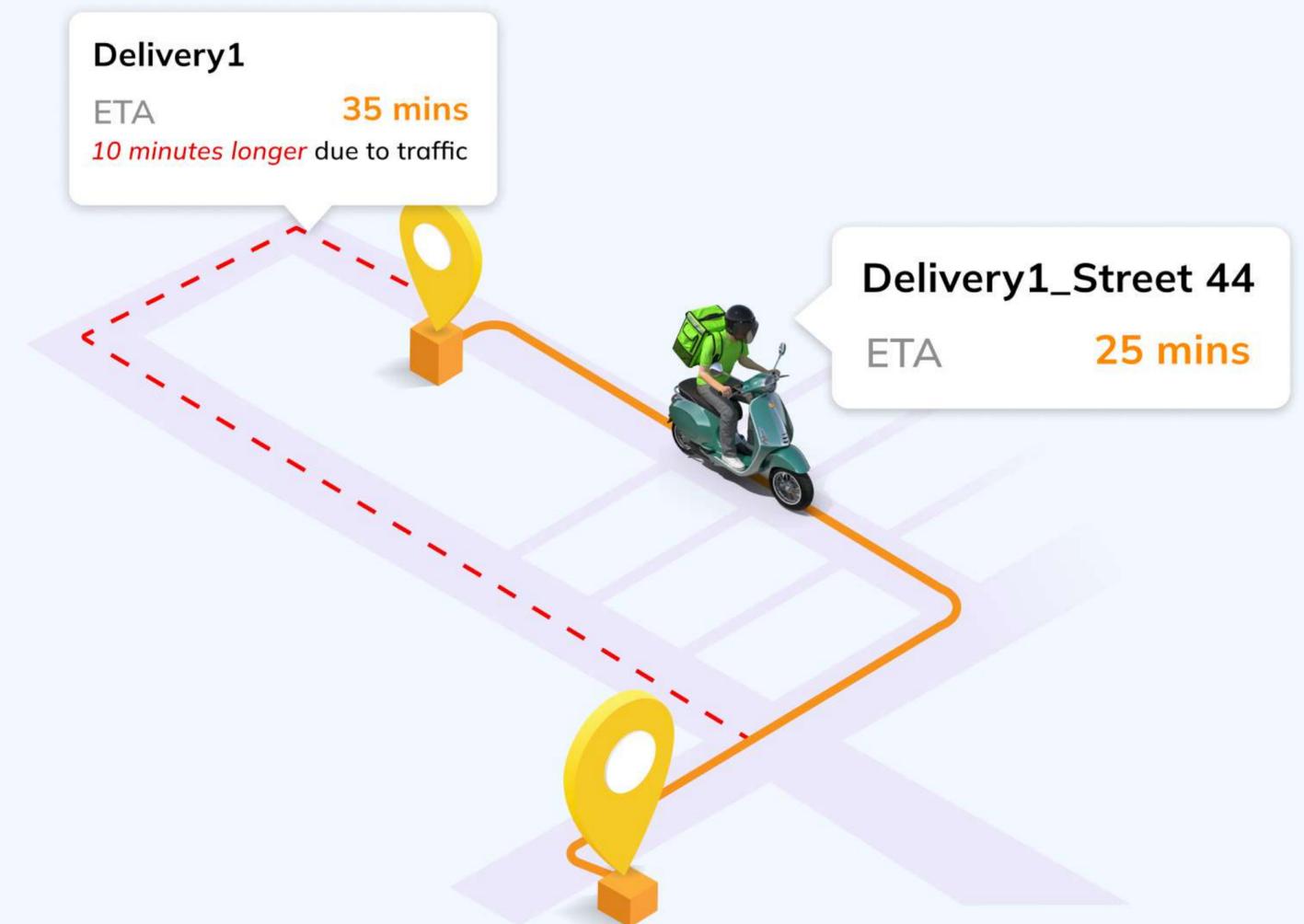
Optimize routes to reduce mileage and implement idle alerts to lower fuel consumption and vehicle maintenance costs.

→ Live tracking and ETA updates

Enable real-time location tracking and provide accurate delivery updates to customers for improved transparency.

→ Order prioritization tools

Prioritize deliveries during busy hours, balancing workload and ensuring high-priority orders are completed on time.



RESULTS



1

30% improvement in on-time deliveries

Real-time optimization ensures deliveries meet promised timeframes, improving customer satisfaction and retention.

2

Better management during busy periods

Dynamic scheduling and prioritization allow businesses to handle a large number of orders effectively, avoiding delays and errors.

3

20% reduction in operational costs

Optimized routes and efficient resource allocation reduce fuel expenses and vehicle maintenance costs.



Use Case

WASTE MANAGEMENT

CHALLENGES

- **Missed waste collection schedules**
Poorly planned routes result in delays or missed pickups, affecting community cleanliness and compliance with schedules.
- **Unbalanced workload distribution**
Inefficient job allocation leads to overburdened vehicles and drivers, while others remain underutilized.
- **High operational costs**
Unoptimized routes increase fuel consumption, vehicle wear and tear, and overall expenses.
- **Difficulty handling unplanned requests**
Sudden waste collection demands disrupt pre-planned routes and schedules, leading to inefficiencies.
- **Lack of visibility and tracking**
Without real-time tracking, managers face challenges in monitoring vehicle movement and ensuring route adherence.



SOLUTIONS

→ Dynamic route optimization

Automatically generate the most efficient routes based on collection points, traffic conditions, and time constraints.

→ Balanced workload allocation

Distribute jobs evenly among vehicles and drivers to avoid overburdening and improve overall efficiency.

→ Fuel optimization features

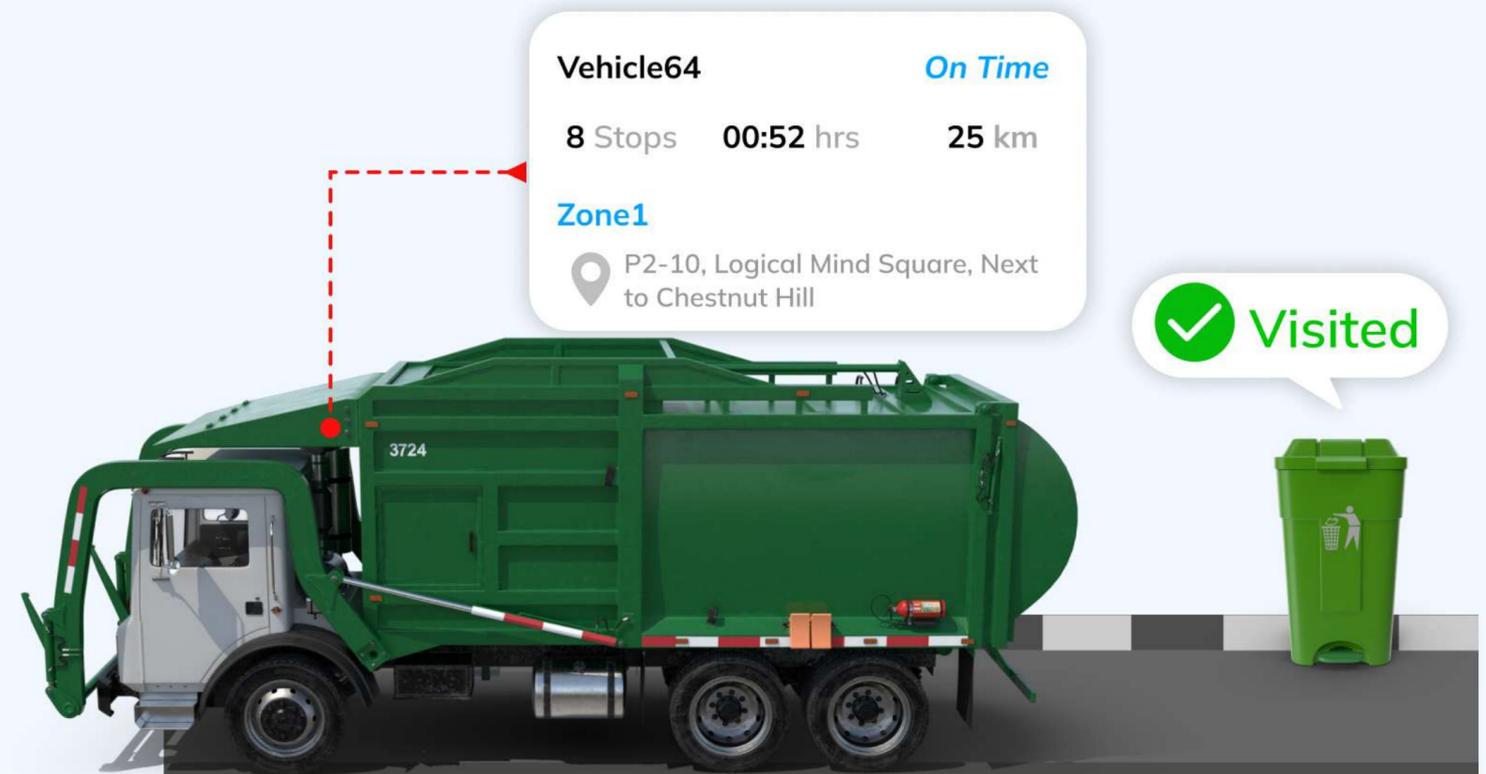
Implement fuel-efficient route planning and idle-time alerts to reduce fuel consumption and operational costs.

→ Real-time tracking and alerts

Provide live tracking and notifications for route deviations or missed stops to maintain schedule adherence.

→ Flexible scheduling tools

Enable managers to adjust routes and schedules dynamically to accommodate unplanned collection requests seamlessly.



RESULTS



1

25% improvement in collection efficiency

Optimized routes ensure timely pickups, maintaining cleanliness and meeting community expectations.

2

20% reduction in fuel and maintenance costs

Efficient planning and route optimization reduce operational expenses significantly.

3

Enhanced operational transparency

Real-time tracking and dynamic scheduling improve monitoring, ensuring route adherence and better resource utilization.

Use Case

TOUR AND TRAVEL SERVICES



CHALLENGES

→ **Delays in reaching destinations**

Poor route planning and unexpected traffic conditions lead to delays, affecting the customer experience and tour schedules.

→ **Inefficient fleet utilization**

Vehicles remain underutilized or overburdened due to unoptimized allocation, increasing operational costs.

→ **High operational expenses**

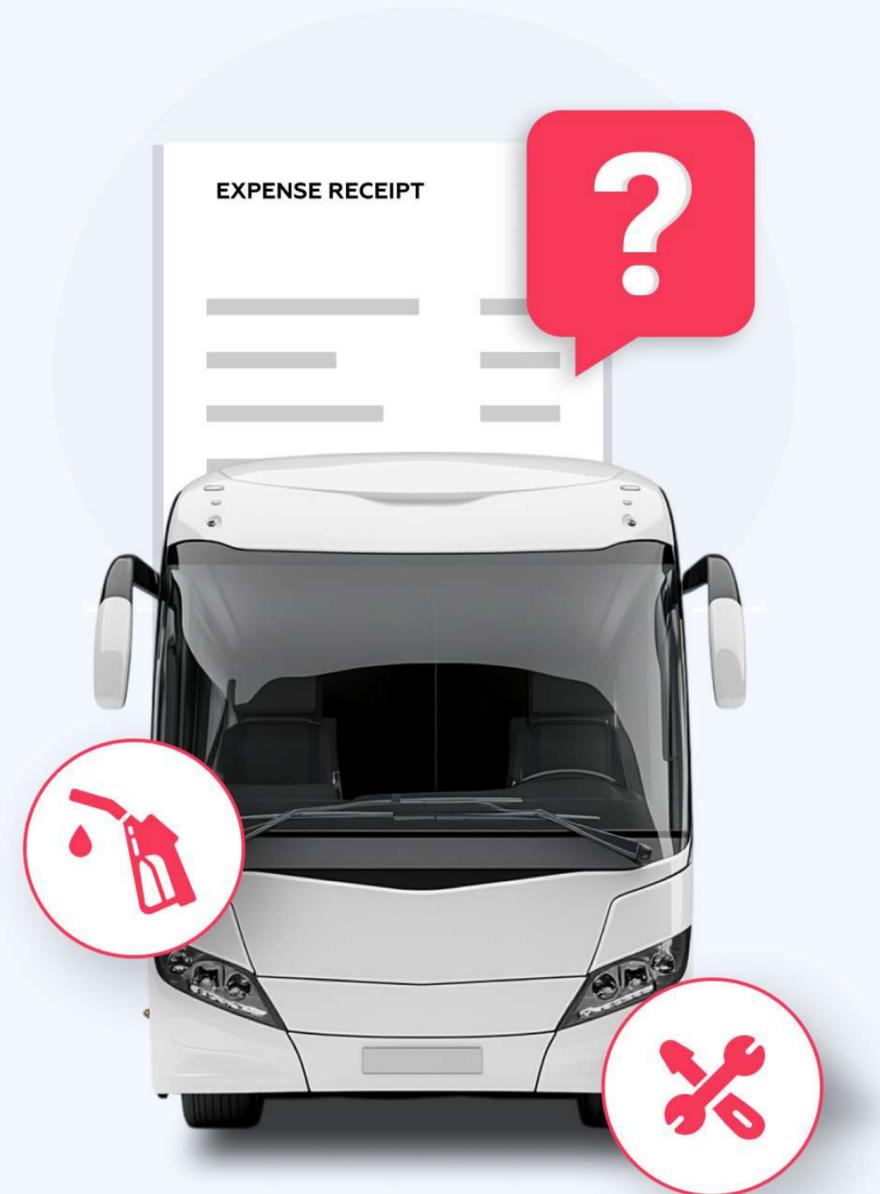
Unoptimized routes and unnecessary detours increase fuel consumption and vehicle maintenance costs.

→ **Difficulty managing customized itineraries**

Handling last-minute changes or personalized itineraries becomes challenging, leading to dissatisfied customers.

→ **Lack of real-time updates**

Absence of live tracking makes it difficult to provide accurate updates to customers or address issues proactively.



SOLUTIONS

- **Route optimization with real-time data**
Generate efficient routes based on real-time traffic and weather conditions to ensure timely arrivals at destinations.
- **Smart vehicle allocation**
Distribute vehicles effectively based on group size, tour requirements, and locations to improve fleet utilization.
- **Cost-saving tools**
Optimize routes to reduce unnecessary mileage and implement idle alerts to minimize fuel consumption and maintenance costs.
- **Dynamic itinerary management**
Allow managers to update routes and schedules quickly to accommodate personalized or last-minute changes without disruptions.
- **Live tracking and updates**
Provide real-time location tracking and notify tour guides and customers of any delays.



RESULTS



1

30% improvement in schedule adherence

Optimized routes ensure tours stay on schedule, enhancing the customer experience.

2

20% reduction in operational costs

Fuel-efficient routes and better vehicle utilization significantly lower expenses.

3

Improved customer satisfaction

Real-time updates and personalized itinerary management ensure seamless and enjoyable travel experiences.

Use Case

CONSTRUCTION AND HEAVY EQUIPMENT MANAGEMENT



CHALLENGES

- **Delays in moving equipment to sites**
Poorly planned routes lead to delays in transporting heavy equipment, causing project slowdowns and increased costs.
- **Underutilized machinery**
Inefficient job allocation leaves equipment idle, reducing productivity and increasing operational expenses.
- **High fuel and maintenance costs**
Unoptimized routes and prolonged idle times escalate fuel consumption and wear on heavy machinery.
- **Difficulty managing multiple job sites**
Coordinating equipment and labor across various sites becomes challenging without centralized planning.
- **Limited visibility of equipment movement**
Lack of real-time tracking makes it hard to monitor equipment utilization and ensure timely delivery.



SOLUTIONS

→ **Dynamic route optimization**

Plan the most efficient routes to transport heavy equipment, factoring in road conditions, distance, and equipment size.

→ **Smart job scheduling**

Assign machinery and labor based on real-time project requirements to maximize productivity and minimize idle time.

→ **Fuel-efficient planning**

Reduce unnecessary mileage and idle time through route optimization and alerts, lowering fuel and maintenance costs.

→ **Centralized task management**

Coordinate resources effectively across multiple job sites with a centralized platform for planning and monitoring.

→ **Real-time tracking and alerts**

Monitor equipment movement in real time and receive notifications for delays or deviations, ensuring timely deliveries.



RESULTS



1

25% decrease in fuel and maintenance costs

Optimized routes and reduced idle times significantly lower operational expenses.

2

Improved resource utilization

Better allocation of machinery and labor maximizes productivity across job sites.

3

30% reduction in project delays

Efficient routing and resource allocation ensure machinery and labor arrive on time, keeping projects on schedule.



KEY TAKEAWAYS FOR EFFECTIVE FUEL MONITORING

Here's what you've learned about fuel monitoring and how it benefits the fleet:

- ✔ Real-time fuel monitoring helps to track consumption and levels instantly.
- ✔ Analytics and reports helps to detect fuel theft and irregular fuel usage.
- ✔ Detailed reports provide data-driven insights for better decision-making.
- ✔ Accurate fuel monitoring reduces unnecessary fuel usage.
- ✔ Improved fuel efficiency contributes to cost savings and sustainability goals.

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