

Agriculture Industry



Why this industry is a strong opportunity for you

In agriculture, moving seeds and fertilizers on time is very important. Machines and vehicles also need to be tracked, especially during harvest season. Since farms are in remote areas with less supervision, it is hard to manage everything smoothly. This creates delays, losses, and a strong need for better monitoring solutions.

Source: <https://www.mordorintelligence.com/industry-reports/agriculture-analytics-market>



Key problems you can solve



No visibility of tractors and farm machinery



Misuse of farm equipment for non-farm work



Inaccurate measurement of land covered



No record of actual working hours



High fuel consumption



Frequent equipment breakdowns during critical periods



Difficulty managing operations in remote rural areas



Tyre wear and sudden tyre failures during peak season

What you can offer with Uffizio



Live tracking of tractors and farm vehicles



Geo-fencing for farms and work zones



Fuel monitoring and consumption analysis



Area measurement (field coverage tracking)



Work-hour tracking for farm machinery



RPM monitoring for equipment health



Equipment utilization tracking

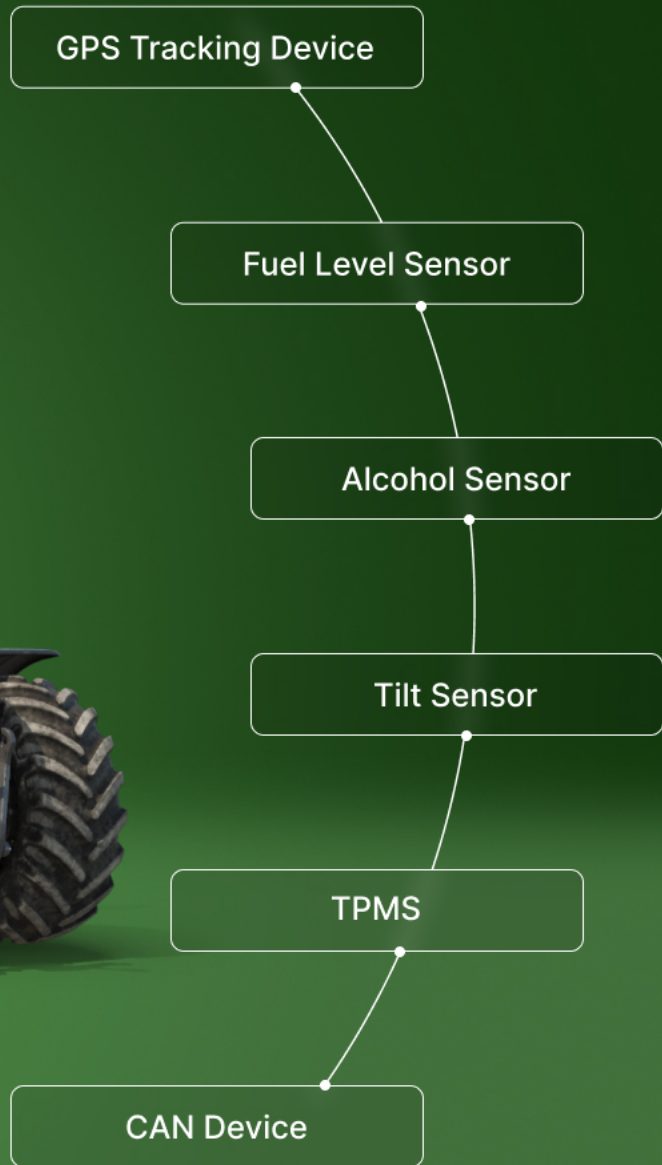


Tyre Health & Pressure Monitoring

Key benefits that help close deals faster

- ✓ Clear visibility across farms and fields
- ✓ Reduced misuse of agricultural machinery
- ✓ Better fuel and cost control
- ✓ Timely delivery of farm inputs
- ✓ Smooth harvest-time operations
- ✓ Audit-ready operational data

Hardware used in this Industry



01

USE CASE

Daily tractor & farm equipment operations

In daily farming operations, tractors and farm equipment are used across large fields and villages with minimal supervision.

This use case shows how Uffizio helps bring visibility, control, and accuracy to daily tractor and equipment usage.



01 Tractor moves into the field

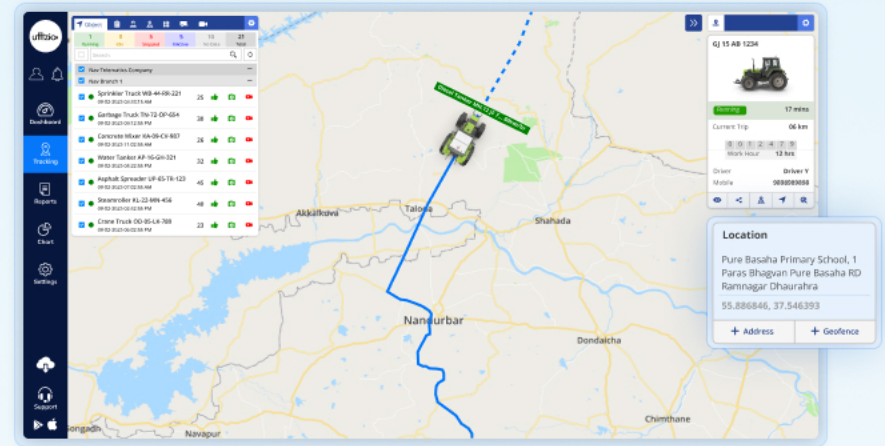
Problem

No real-time visibility of tractor location.



Solution

Live GPS tracking shows exact tractor movement.



02 Vehicle used outside assigned areas

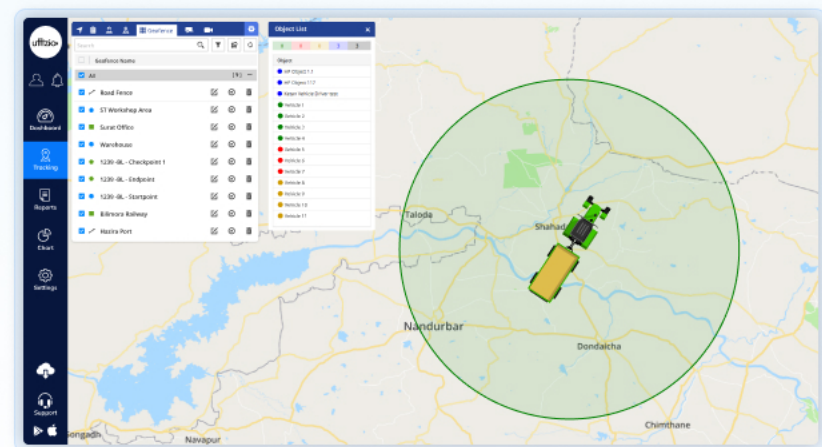
Problem

Tractors are misused for non-approved work.



Solution

Geo-fencing restricts usage to assigned fields.



03 Actual working hours unknown

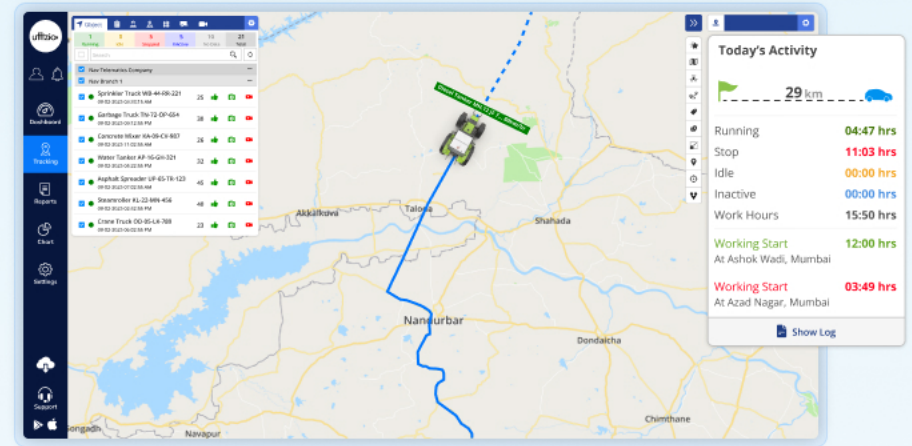
Problem

No clarity on productive vs idle hours.



Solution

Work-hour tracking records real engine usage.



04 Disputes over land covered

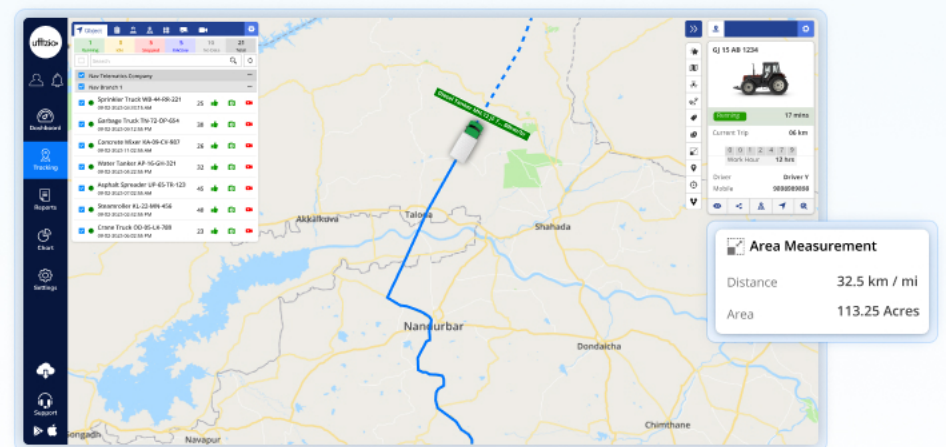
Problem

Manual area calculations are inaccurate.



Solution

Area measurement captures exact field coverage.



05 Fuel consumption visibility

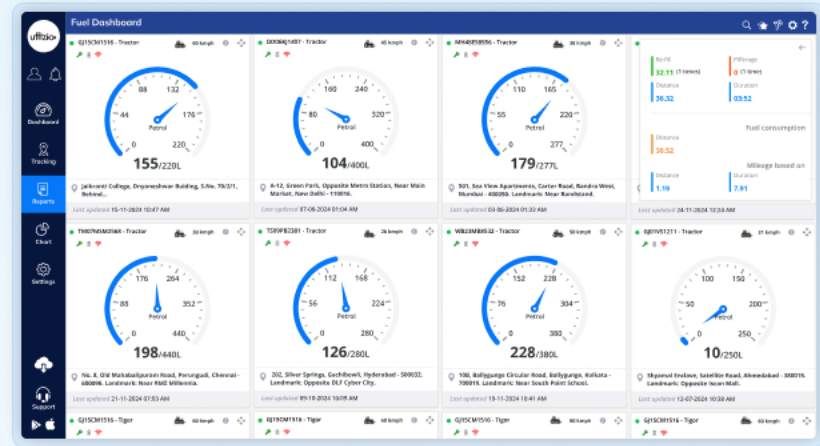
Problem

No clear view of fuel usage during daily farm operations.



Solution

The fuel dashboard shows vehicle-wise fuel usage and sudden fuel drops.



06 Tyre stress during harvest operations

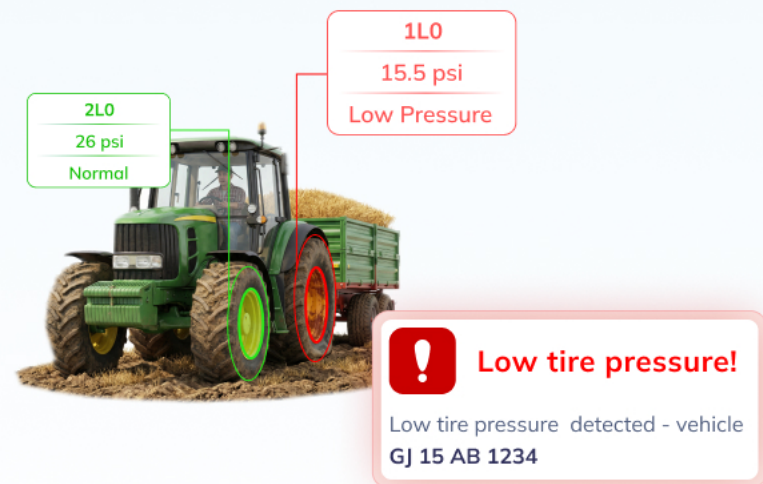
Problem

Heavy loads and rough field terrain cause sudden tyre failures, leading to harvest delays.



Solution

TPMS continuously monitors tyre pressure and temperature and sends instant alerts for abnormal conditions



07 Rough handling of vehicles

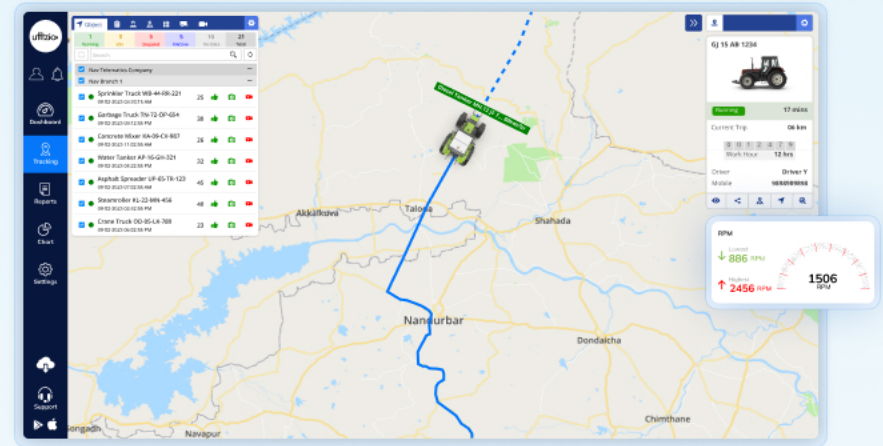
Problem

Vehicles are run at very high engine speed, causing equipment damage.



Solution

RPM monitoring detects harsh machine usage and alerts when the usage is pushed beyond safety limits.



08 No record of daily farm jobs

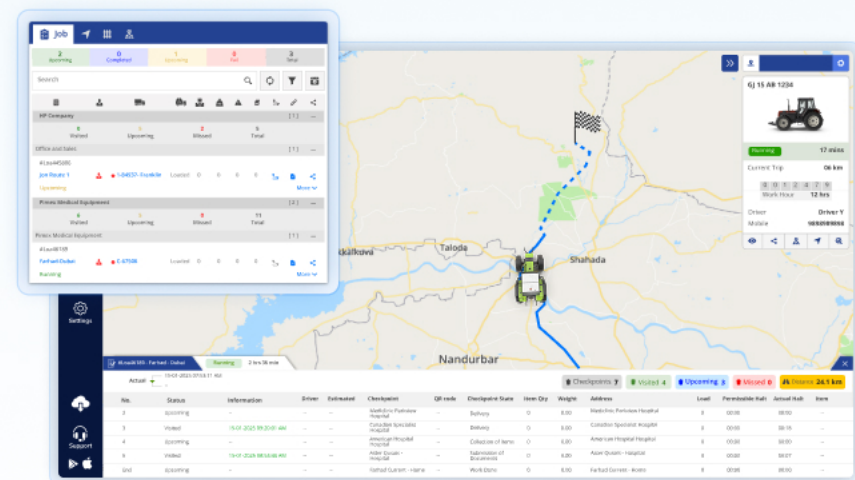
Problem

Tasks are tracked manually or forgotten.



Solution

Job tracking logs each farm activity automatically.



09 Manual reporting and guesswork

Problem

No reliable data for review or audits.



Solution

Job Summary Reports and Object Job Summary Reports show completed jobs, time taken, and work details.

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	Loa97127	346.0	0.0	0.0	3	0	1	2	3	Loaded	-	0	-

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 Pairs	Viewed Pairs	Missed Pairs	Alerts	Playback
Completed Without Error	01-28-2025 06:40 PM	01-28-2025 06:33 PM	00:16	4443.51	01-28-2025 08:25 PM	01-28-2025 08:37 PM	01-28-2025 08:37 PM	00:16	4472.51	28.0	01:27	0.0	13	15	0	0	▶
Completed With Error	01-29-2025 06:00 PM	01-29-2025 06:43 PM	00:16	4568.76	01-29-2025 08:25 PM	01-29-2025 07:58 PM	01-29-2025 07:58 PM	00:26	4507.76	28.0	01:23	0.0	13	12	1	0	▶
Completed Without Error	01-30-2025 06:40 PM	01-30-2025 02:30 AM	00:16	4688.83	01-30-2025 08:25 PM	01-30-2025 08:05 PM	01-30-2025 08:05 PM	00:20	4536.83	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	00:16	4844.00	01-31-2025 08:25 PM	01-31-2025 08:10 PM	01-31-2025 08:10 PM	00:07	4591.00	27.0	01:48	0.0	13	13	0	0	▶

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
Sankhesh Sagar	Loa9716	362.0	0.0	0.0	2	0	0	2	0	Loaded	-	0	-
Sankhesh Sagar	Loa9706	314.0	0.0	0.0	2	0	1	1	0	Loaded	-	0	-

Result

Clear visibility and accurate measurement across daily farm operations.



Reduction in tractor misuse



Improvement in vehicle utilization



Accurate land coverage data for billing and audits

02

USE CASE

Harvest season logistics management

Harvest season is time-critical. Delays in moving crops from fields to storage or markets can cause losses and chaos.

This use case shows how Uffizio ensures smooth, timely harvest-time transportation.



03 Confusion across multiple routes

Problem

During peak harvest season, vehicles follow different routes, creating confusion and delays.



Solution

Assigned routes with live route tracking show which route each vehicle is following

No.	Status	Information	Driver	Estimate	Checklist	QR code	Checkpoint Name	Item Qty	Weight	Address	Level	Permissible Rate	Actual Rate	Rate
1	Waiting	1507-2024-09-20-01-01					Station	0	0.00	Station, Purnea Hospital	0	0.00	0.00	---
2	Waiting	1507-2024-09-20-01-01					Station	0	0.00	Station, Purnea Hospital	0	0.00	0.00	---
3	Waiting	1507-2024-09-20-01-01					Collection of Waste	0	0.00	Area, Van Hospital Hospital	0	0.00	0.00	---
4	Waiting	1507-2024-09-20-01-01					Station	0	0.00	Area, Van Hospital Hospital	0	0.00	0.00	---
5	Waiting	1507-2024-09-20-01-01					Station	0	0.00	Area, Van Hospital Hospital	0	0.00	0.00	---
6	Waiting	1507-2024-09-20-01-01					Station	0	0.00	Area, Van Hospital Hospital	0	0.00	0.00	---

04 Lack of visibility on field trips

Problem

Managers cannot verify completed trips or review daily field movement accurately.



Solution

Trip Reports provide complete trip details including distance, duration, routes, and stoppages etc.

Client Number	From	To	Up / Down	Travel Hours	Depart At	Scheduled Arrival	Estimated Arrival	Arriving At	Status	Last Seen	Last Location
C-45	Delhi	Chennai	Down	18.00	03/02/2024 05:45 AM	03/02/2024 10:30 PM	04/02/2024 12:00 AM	01:08:00	Delayed	03/02/2024 09:30 PM	Mumbai
KL-78	Kolkata	Hyderabad	North	19.15	03/02/2024 07:10 AM	03/02/2024 11:00 PM	04/02/2024 01:30 AM	02:15:00	On Time	03/02/2024 10:45 PM	Delhi
TM80	Ahmedabad	Surat	Up	17.45	03/02/2024 05:30 AM	03/02/2024 09:00 PM	03/02/2024 09:30 PM	00:45:00	Arrived	03/02/2024 08:15 PM	Mysore
9J99	Jalpur	Agra	West	28.30	03/02/2024 06:00 AM	03/02/2024 11:15 PM	04/02/2024 03:00 AM	03:08:00	Cancelled	03/02/2024 10:00 PM	Dharam
MH-12	Mumbai	Pune	Down	21.90	03/02/2024 06:45 AM	03/02/2024 11:50 PM	04/02/2024 12:18 AM	00:28:00	On Time	03/02/2024 10:15 PM	Vadodra
LP-06	Kanpur	Lucknow	South	22.15	03/02/2024 07:30 AM	03/02/2024 12:05 PM	04/02/2024 01:18 AM	01:15:00	In Transit	03/02/2024 11:00 PM	Hyderabad
PK-04	Chandigarh	Delhi	East	23.90	03/02/2024 08:00 AM	03/02/2024 12:15 PM	04/02/2024 02:00 AM	01:45:00	Delayed	03/02/2024 11:30 PM	Jalpur
TM-80	Chennai	Madurai	West	23.30	03/02/2024 08:15 AM	03/02/2024 12:20 PM	04/02/2024 02:18 AM	01:55:00	On Time	03/02/2024 11:45 PM	Kanpur
AI-45	Delhi	Kolkata	Down	08.15	03/02/2024 05:30 AM	03/02/2024 09:00 AM	03/02/2024 09:45 AM	00:28:00	Scheduled	03/02/2024 07:50 AM	Patra
0T-07	Chennai	Hyderabad	Up	15.00	03/02/2024 10:15 AM	03/02/2024 01:00 PM	03/02/2024 01:00 PM	00:45:00	On Time	03/02/2024 12:30 PM	Vadodra
C1-89	Ahmedabad	Surat	Down	28.45	03/02/2024 08:40 AM	03/02/2024 11:50 PM	04/02/2024 12:18 AM	00:28:00	Delayed	03/02/2024 10:50 PM	Amravati
0T-12	Jalpur	Udaipur	Up	14.30	04/02/2024 07:30 AM	04/02/2024 10:00 AM	04/02/2024 10:45 AM	00:15:00	On Time	04/02/2024 09:15 AM	Hydrabad
0T-54	Kochi	Thiruvananthapuram	Down	19.10	04/02/2024 04:40 AM	04/02/2024 06:20 PM	04/02/2024 09:05 PM	00:25:00	In Transit	04/02/2024 06:50 PM	Jalpur
0T-27	Pune	Nagpur	Up	08.25	05/02/2024 09:45 AM	05/02/2024 12:15 PM	05/02/2024 01:00 PM	00:40:00	Scheduled	05/02/2024 11:00 AM	Ludhiana
0T-96	Ludhiana	Kanpur	Down	08.50	05/02/2024 12:55 AM	05/02/2024 03:30 AM	05/02/2024 04:15 AM	00:29:00	On Time	05/02/2024 02:10 AM	Kanpur
HT-22	Agri	Dwar	Up	13.95	06/02/2024 07:30 AM	06/02/2024 10:40 AM	06/02/2024 11:20 AM	00:45:00	In Transit	06/02/2024 09:00 AM	Amravati
0T-11	Bhopal	Indore	Down	18.20	06/02/2024 01:45 PM	06/02/2024 04:15 PM	06/02/2024 05:00 PM	00:45:00	Scheduled	06/02/2024 03:00 PM	Chandigarh
JT-08	Bombay	Jayprakash	Up	18.55	07/02/2024 08:15 AM	07/02/2024 12:00 PM	07/02/2024 12:40 PM	00:45:00	On Time	07/02/2024 10:30 AM	Kalyan
KL-17	Dharam	Haridwar	Down	22.35	07/02/2024 02:50 AM	07/02/2024 05:20 AM	07/02/2024 06:05 AM	00:40:00	Delayed	07/02/2024 04:00 AM	Kolkata

05 Overworked vehicles and breakdowns

Problem

Vehicles are used continuously without proper rest, leading to overuse and breakdowns.



Solution

Work-hour and RPM reports show how long and how hard each machine is used, helping to avoid overuse.

Work Hour Summary [01-11-2024 12:00 AM - 30-11-2024 11:59 PM]									
Branch	Object	Object Brand	Object Model	Object 1	Object 2	Driver	Distance	Working Duration	
HP Branch 2	HP Object 21	Mahindra	Scorpio	1	--	Rakesh Yadav	2,388.83	130:50:25	
Start Statistics									
Start Date/Time	Start Location	End Date/Time	End Location	Driver	Employee No.	Distance	Working Duration	Show Path	
14/03/2023 11:30 AM	Ring Road Near Galaxy Circle, Surat	18/08/2023 02:13:42 AM	Ajdar Gani, Palanpur, Surat	Ramesh Sharma	09787043	95.58	08:55:15		
20/04/2023 01:40 PM	Ahmednagar Near Gandhi Darg, Surat	22/03/2023 09:22:13 AM	Katargam, Ahmed, Surat	Suresh Verma	097468133	110.75	09:10:55		
03/06/2023 03:08 PM	Chiyaji Near VV Mall, Surat	15-11-2023 11:59:58 PM	Thalad, Dumas Road, Surat	Kamlesh Joshi	097898123	88.20	11:28:30		
09/09/2023 01:10 AM	Vesu Near G. Mart, Surat	07/01/2023 09:00:01 AM	Hoda Kanchhi, Surat	Rajesh Khanna	097360281	125.40	01:17:40		
11/01/2023 06:38 PM	Pandhara Near GDC, Surat	28/09/2023 04:48:22 PM	Usvak, Anand, Surat	Waseem Dagh	097440308	79.39	04:03:20		
HP Branch 2	HP Object 21	Mahindra	Toyota	2	095581234	Ash Sharma	2,490.50	110:19:50	
HP Branch 2	HP Object 21	Wazen	GO+	3	095584321	Waseem Dagh	2,390.75	100:45:20	
HP Branch 2	HP Object 21	Honda	City	4	095585078	Pritya Patel	2,330.96	100:39:16	
HP Branch 2	HP Object 21	Ford	Mustang	5	095588765	Amit Kumar	2,190.60	95:15:45	
HP Branch 2	HP Object 21	Hyundai	Civic	6	095582345	Sneha Reddy	2,090.80	98:00:20	
HP Branch 2	HP Object 21	Mercedes	C-Class	7	095585432	Ajay Mehta	1,960.50	85:45:55	
HP Branch 2	HP Object 21	BMW	XLR	8	095589789	Divya Nair	1,880.75	88:30:30	
HP Branch 2	HP Object 21	Audi	A8	9	095589076	Rahul Verma	1,790.00	75:15:10	
HP Branch 2	HP Object 21	Volkswagen	Polo GT	10	095583456	Meha Joshi	1,680.60	78:30:45	
HP Branch 2	HP Object 21	Benz	Classe	11	095580543	Suresh Kumar	1,580.80	65:40:20	

Result

Clear visibility and accurate measurement across daily farm operations.

50%

Faster movement of harvested crops

35%

Reduction in harvest-time delays

30%

Decrease in crop loss due to late transportation