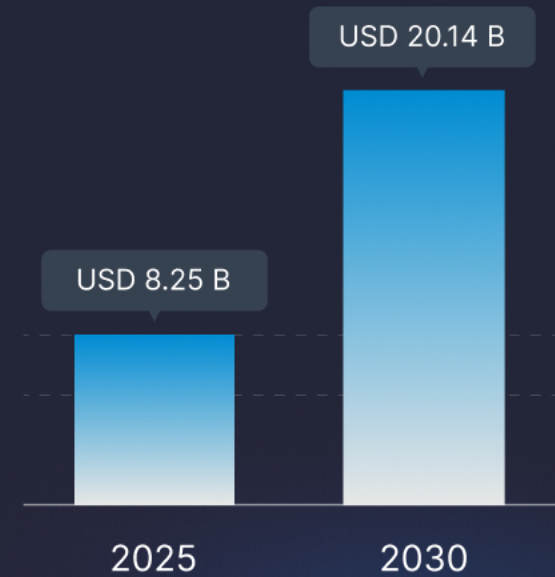


Electric Vehicle



Why this industry is a strong opportunity for you

The electric vehicle industry is moving from early adoption to large-scale commercial deployment. Governments are pushing sustainability goals, fuel prices remain unpredictable, and businesses are actively transitioning to electric fleets to reduce long-term operating costs. The electric vehicle telematics market size is valued at USD 8.25 billion in 2025 and is projected to reach USD 20.14 billion by 2030, reflecting a robust 19.54% CAGR through the forecast period.



Source: <https://www.mordorintelligence.com/industry-reports/electric-vehicle-telematics-market>

Key problems you can solve

A grid of seven key problems in the electric vehicle industry that can be solved. Each problem is represented by an icon and a text box.

- Battery range uncertainty
- Lack of visibility into battery health
- Inefficient charging schedules
- Difficulty managing mixed EV fleets
- High energy consumption due to poor driving behavior
- No early warning for low battery situations
- Limited reporting on EV performance metrics

What you can offer with Uffizio



Real-time
battery status
monitoring



Energy
consumption
tracking



State of Charge &
battery health
insights



Predictive alert



Driver behavior
analysis



Centralized
dashboard



Detailed EV
performance reports

Benefits that help you close deals faster

- ✓ Reduced operational risk with proactive battery and charge monitoring
- ✓ Improved vehicle uptime, especially for route-based operations
- ✓ Extended battery life, protecting high-value EV investments
- ✓ Clear ROI visibility, making EV adoption more predictable
- ✓ One solution for mixed fleets, avoiding multiple systems

Why you should invest in Our EV management solution



Scalable solution

Works for small projects and large fleets alike.

Accurate battery insights

Helps track battery performance and avoid sudden issues.

Strong support & training

Ongoing help to ensure smooth setup and usage.

Flexible customization

Can be adjusted to fit different client needs.

01

USE CASE

Electric bus operations for public transport authorities

Electric buses are now a core part of city public transport systems. Authorities must ensure bus availability, route reliability, and passenger service continuity, while managing charging, power constraints, and reporting pressure.

This use case shows how Elexee helps electric bus authorities run daily operations smoothly and predictably.



01 Peak-hour bus shortage

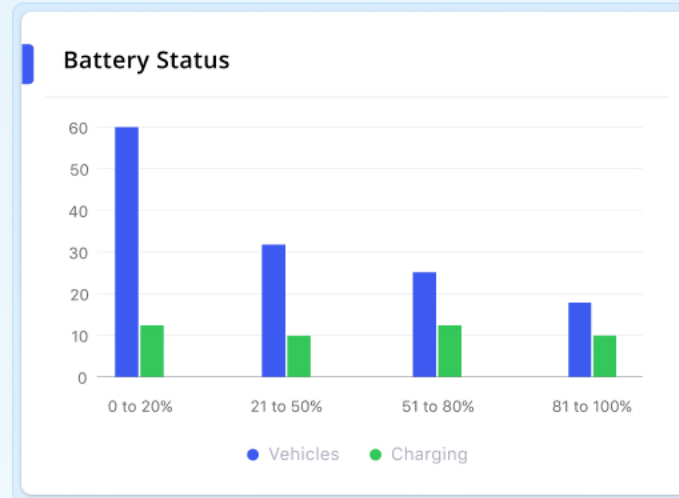
Problem

Some buses are not fully charged or ready during morning and evening rush hours.



Solution

Elaxee provides real-time charging status, ensuring buses are prepared before dispatch.



02 Charging queue at depots

Problem

Limited chargers cause buses to wait and delay routes.



Solution

Charging history and usage data help to plan charging schedules.

Battery Charge/Discharge History Summary [01-02-2026 12:00 AM - 05-03-2026 12:42 PM]													
Company	Branch	Object	Total Events		Distance	Mileage	Lbs	Stop	Inactive	Charging Event Per Day		Faults Allowed During	
			Charging	Discharging						Min	Max	Charging	Discharging
Government Corp	Dubai	UW-803	18	20	530.5	12.3	2.5	1.2	8.0	1	4	1	2
Volvo Drive Pvt Ltd	Abu Dhabi	VDR-220	22	25	408	14	3.1	1.8	5.0	2	5	0	1
EcoMobility Ltd	Dhagah	ECD-8828-912	15	18	275.4	10.5	2.0	2.2	5.0	1	3	1	0
Arqam Logistics	Riyadh	ARL-05-800	19	21	360.2	13.2	1.7	1.5	6.5	2	5	1	1
PulseEnergy	Kuwait	PLS-1-007	20	19	295.5	11.8	2.4	1.9	7.2	1	4	0	2
Volvo EV Solutions	Dubai	VLT-01-302	17	19	315.2	11.5	2.2	1.1	8.4	1	4	0	1
Tecvati Mobility	Abu Dhabi	TRV-4589-018	21	26	403.4	14.6	2.4	2.8	6.5	2	5	1	2
EcoFuel Dynamics	Dhagah	EFD-RLT-080	16	20	298.9	10.8	1.9	2.3	8.2	1	5	0	0
HansaArq Logistics	Riyadh	HSA-188-078	24	27	455.1	14.4	2.8	1.8	5.2	2	6	1	1
GreenFuel Transport	Muscat	ZYF-58206-82	16	21	360.6	12.7	2.2	1.5	6.8	1	4	0	1
EngelCharge Corp	Dubai	ECG-92-11	20	22	385.9	13.0	2.3	1.3	7.1	2	5	1	2
Elara Motors	Dhagah	ELM-61-04	14	17	275.8	10.2	2.5	2.3	9.3	1	3	0	0
Alqoray EV	Bahrain	ALQ-091284	19	20	305.4	11.9	2.7	1.4	6.6	2	5	1	1
OptiDrive Solutions	Doha	ODS-280	25	26	428.7	14.1	3.0	1.2	5.4	1	6	1	2
EVLogic Systems	Dubai	ELV-RLT-07-05	16	19	286.4	10.7	2.3	2.8	8.9	1	3	0	1
GreenFuel Mobility	Kuwait	GFM-88-79	20	24	410.3	13.8	2.4	1.7	6.0	2	5	1	1
HansaArq Solutions	Jeddah	HAS-91-412	18	21	302.9	12.5	2.0	1.9	7.5	2	4	0	0
SwiftCharge Tech	Riyadh	SCT-8824-707	22	25	438.1	14.7	2.4	1.5	6.1	2	4	1	1

03 Power outages at charging stations

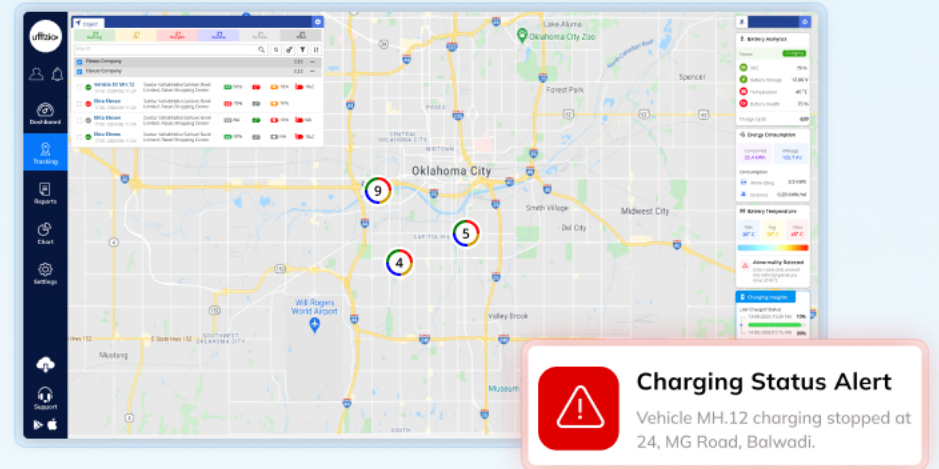
Problem

Grid issues disrupt overnight or mid-day charging.



Solution

Charging disconnection alerts help depots take quick action.



04 Unreliable real-world range

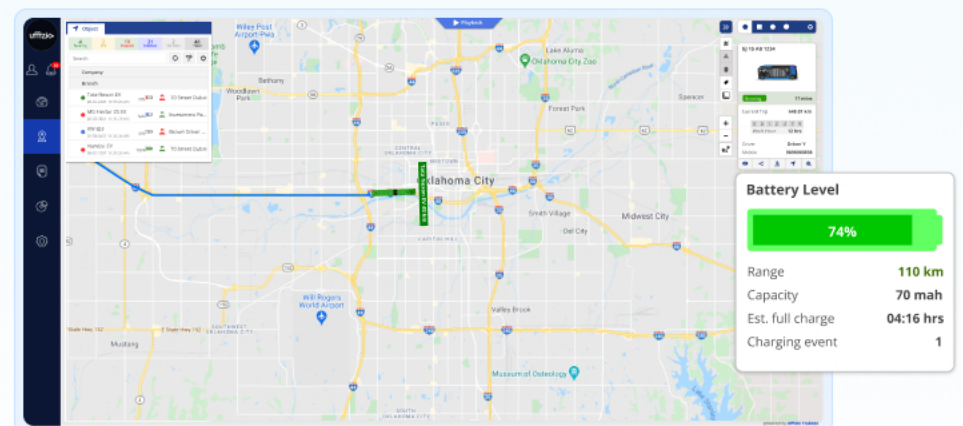
Problem

Actual range changes due to traffic and passenger load.



Solution

Elxee tracks real route-wise energy usage to estimate usable range.



05 Battery degradation across fleet

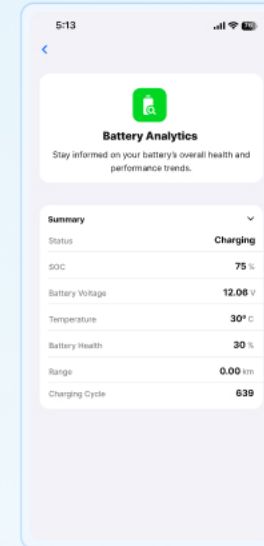
Problem

Some buses lose range faster, without early warning.



Solution

Battery health trends highlight underperforming buses early.



Result

More reliable public transport with confident EV operations.



Improvement in peak-hour bus availability



Reduction in route disruptions



Less charging delays through planned usage

02

USE CASE

Electric two-wheeler fleets for food & hyperlocal delivery

Electric two-wheelers are widely used for food delivery, grocery delivery, pharmacy drops, and hyperlocal logistics.

These fleets operate under high delivery pressure, tight timelines, and continuous stop-and-go traffic.

The biggest challenges are not just route delays — but battery drain, rider behavior, and unplanned charging interruptions.



01 Battery drain during delivery rush

Problem

Riders run out of charge mid-shift, causing delivery delays and customer complaints.



Solution

Live battery monitoring shows real-time charge level and remaining range for every vehicle.



02 Unplanned charging & downtime

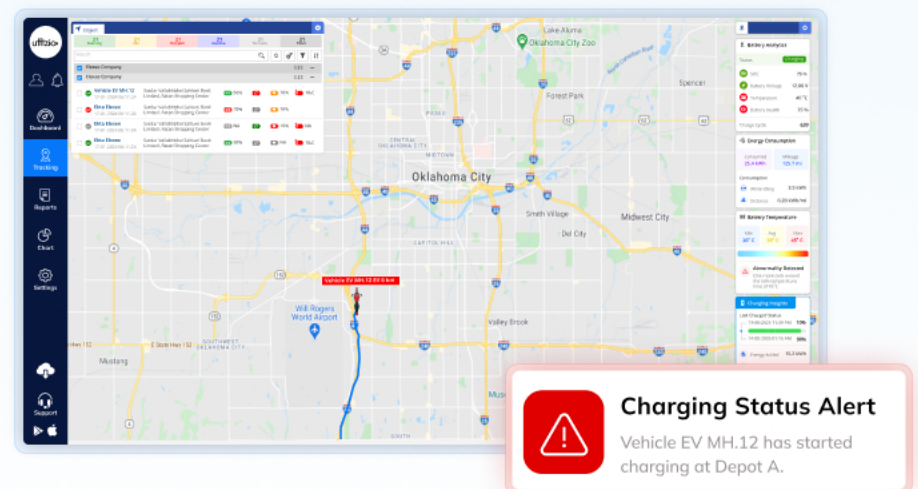
Problem

Riders stop for charging without informing supervisors.



Solution

Charging status alerts notify when vehicles start and stop charging.



03 No visibility on rider location

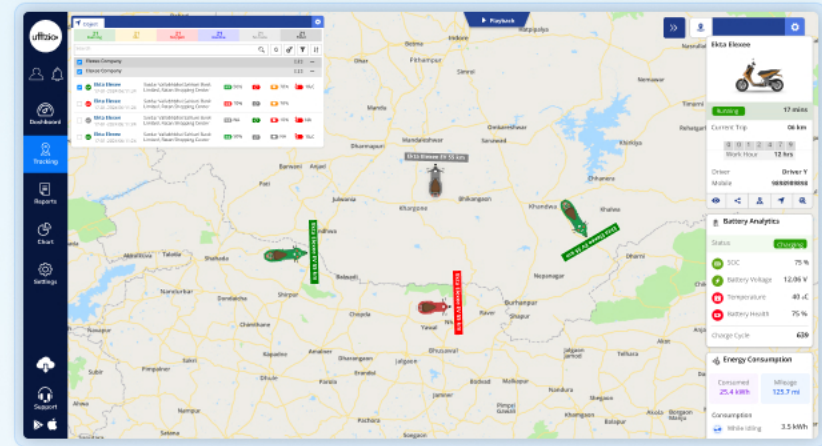
Problem

Operations teams cannot track multiple riders at once.



Solution

Live tracking dashboard with continuously updated ETA.



04 Range anxiety & route planning

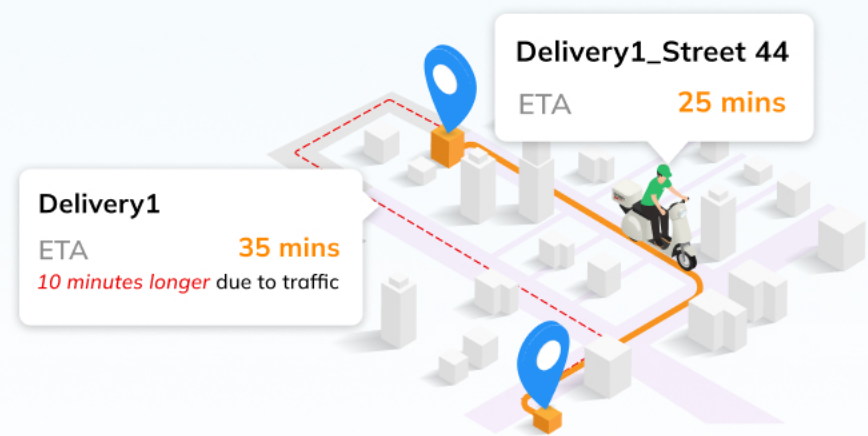
Problem

Riders avoid longer routes fearing battery shortage.



Solution

Route planning based on battery level and delivery distance.



05 Vehicle misuse beyond assigned zone

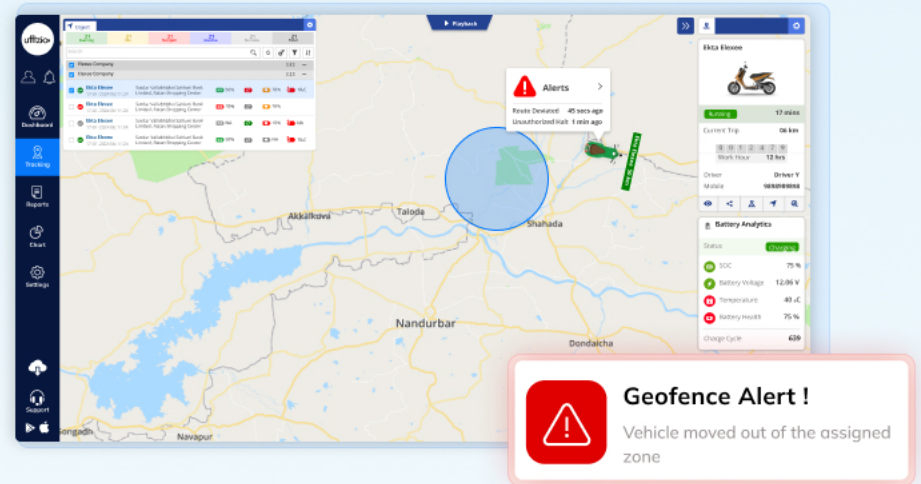
Problem

Vehicles are used for personal tasks outside delivery zones.



Solution

Geofencing alerts when vehicles move outside approved areas.



Result

Electric two-wheeler fleets operate with controlled charging, optimized routes, and improved rider accountability.

28%

Reduction in battery-related delivery delays

22%

Improvement in delivery efficiency

18%

Increase in average battery life

03

USE CASE

Electric rental & commercial EV fleets

Electric rental fleets and commercial EV operators manage vehicles that are used by multiple drivers across shifts or clients. The challenge is not just tracking — it's managing battery health, usage patterns, charging compliance, and asset protection.



01 Battery health degradation

Problem

Frequent fast charging and improper usage reduce battery life.



Solution

Battery health monitoring tracks charging cycles, depth of discharge, and performance trends.



02 Improper charging practices

Problem

Drivers charge vehicles inconsistently.



Solution

Charging reports and location-based charging tracking.

Object Charging Pattern (20-02-2020 12:00 AM - 20-02-2020 12:42 PM)

Company	Branch	Vehicle	0-10%	10-20%	20-30%	30-40%	40-50%	50-60%	60-70%	70-80%	80-90%	90-100%
GreenPact Solutions	Planet Branch 1	8-10098 - Peugeot 5 - Sport	2	3	1	2	1	2	1	2	2	4
CoTransMobility	CoTrans Branch 1	62783 - BWS ATTO 3	1	2	1	1	3	3	1	0	3	5
Wideline Systems	Wideline Branch 1	49215 - GJ Suni P10-A2	0	1	1	3	2	1	2	3	2	2
Novelife Technologies	Novelife Branch 1	Novelife Branch 1	3	3	2	2	3	2	2	1	1	3
Edelweiss AutoTech	Edelweiss Branch 1	27762-967	1	1	1	1	1	2	3	2	1	2
Jarvis Ev Corp	Jarvis Branch 2	84-3466-Tealby	0	1	1	0	2	1	1	0	0	2
Ampere Drive Solutions	Ampere Branch 2	587-C-18173	2	2	2	2	2	2	2	2	2	2
SparkLine Mobility Pvt Ltd	SparkLine Branch 2	92103 - Peugeot 5 - Sedan	0	0	1	2	1	1	2	1	1	1
KuramWest Dynamics	KuramWest Branch 1	10663 - E-Bike	1	4	2	1	0	1	1	1	1	2
Charge Vision Technologies	Charge Vision Branch 3	E-1000-305	1	1	2	1	1	2	1	1	2	3
VolThail Logistics	VolThail Branch 2	270-1305	2	0	1	2	3	1	1	0	1	4
Orion Energy Systems	Orion Branch 1	898-656	1	1	1	1	3	3	1	2	2	1
Bluebird Motors	Bluebird Branch 3	73-A-Electro	0	2	2	1	1	1	2	1	1	2
UrbanSpark Fleet Solutions	UrbanSpark Branch 1	05-040022	3	1	0	2	0	2	1	2	2	3
Eflex Dynamics	Eflex Branch 1	8F-8086	2	3	2	2	1	0	0	1	2	2

03 No visibility on energy consumption per vehicle

Problem

Operators cannot compare which vehicles consume more energy.



Solution

Energy consumption analytics with vehicle-wise comparison.

Battery Trip Report [19-02-2026 12:00 AM - 20-02-2026 12:42 PM]																	
Company	Branch	Vehicle	Distance	Running	Idle	Stop	Avg	Max	No. of Trip	No. of Charging	Charging Duration	Jobs%					
Zs - 10996 Prayaghat E-Logist			1296.56	66.20	61.15	487.15	20	120	180	4	30:02	27%					
Start																	
Time	Location	Coordinate	SOC (%)	Time	Location	Coordinate	SOC (%)	Battery Stage (%)	Distance	Running	Idle	Stop	Jobs	MAX	Min/Sec	Headlock	
19-02-2025 13:14:48	39 Street, Mubarak	03.2717418, 55.430975	76.0	19-02-2025 12:19 PM	146 Street, H. Ques M	05.1301938, 55.2449150	87.0	9.8	31.87	08:57	08:27	00:01	18	16	28	>	
19-02-2025 14:52:07	146 Street, H. Ques M	05.1301938, 55.2449150	81.0	19-02-2025 21:16:19	146 Street, Mubarak	03.2638998, 55.430975	64.0	10.0	81.18	09:19	09:08	00:07	36	190	18	>	
19-02-2025 18:20:09	21-180 Street, Mubarak	02.5629698, 55.4304615	54.0	19-02-2025 28:37:04	28 Street, Mubarak	02.2723132, 55.4358218	53.0	1.8	2.34	08:15	08:22	00:11	9	28	8	>	
19-02-2025 09:16:09	28 Street, Mubarak	02.2723132, 55.4358218	53.0	19-02-2025 28:37:04	28 Street, Mubarak	02.2723132, 55.4358218	53.0	0.0	6.0	08:08	08:27	00:01	3	3	12	>	
19-02-2025 08:41:09	38 Street, Mubarak	02.2723132, 55.4358218	53.0	19-02-2025 7:56:19	38 Street, Mubarak	02.2723132, 55.4358218	53.0	2.8	10.8	07:08	08:18	00:34	16	48	14	>	
19-02-2025 09:16:09	7000 79th, 37th Street	02.2723132, 55.430975	50.0	19-02-2025 31:59:04	31 Street, Dera Ismail	02.5244166, 52.4417402	48.0	2.8	3.58	08:17	08:13	00:01	28	48	8	>	
End																	
HP Company	Truckload	5M81 - 870 High	2311.8	64.20	10.18	147:01	36	180	189	0	0:00	17%					
ABC Company	Truckload	12345 - 8-899	8.8	08:30	0:00	0:00	0	0	0	0	0:00	0%					
DEF Inc	Truckload	666666 - 1000000	4687.01	150:42	22:31	242:05	30	131	141	0	0:00	18%					
GHI Industries	Truckload	567-C-18173	3768.7	28:50	40:13	125:48	13	91	78	0	0:00	15%					

04 Vehicle idle time & underutilization

Problem

Some EVs remain parked while others are overused.



Solution

Utilization reports showing trip frequency and active hours.

Battery Trip Report [19-02-2026 12:00 AM - 20-02-2026 12:42 PM]																	
Company	Branch	Vehicle	Distance	Running	Idle	Stop	Avg	Max	No. of Trip	No. of Charging	Charging Duration	Jobs%					
Zs - 10996 Prayaghat E-Logist			1296.56	66.20	61.15	487.15	20	120	180	4	30:02	27%					
Start																	
Time	Location	Coordinate	SOC (%)	Time	Location	Coordinate	SOC (%)	Battery Stage (%)	Distance	Running	Idle	Stop	Jobs	MAX	Min/Sec	Headlock	
19-02-2025 13:14:48	39 Street, Mubarak	03.2717418, 55.430975	76.0	19-02-2025 12:19 PM	146 Street, H. Ques M	05.1301938, 55.2449150	87.0	9.8	31.87	08:57	08:27	00:01	18	16	28	>	
19-02-2025 14:52:07	146 Street, H. Ques M	05.1301938, 55.2449150	81.0	19-02-2025 21:16:19	146 Street, Mubarak	03.2638998, 55.430975	64.0	10.0	81.18	09:19	09:08	00:07	36	190	18	>	
19-02-2025 18:20:09	21-180 Street, Mubarak	02.5629698, 55.4304615	54.0	19-02-2025 28:37:04	28 Street, Mubarak	02.2723132, 55.4358218	53.0	1.8	2.34	08:15	08:22	00:11	9	28	8	>	
19-02-2025 09:16:09	28 Street, Mubarak	02.2723132, 55.4358218	53.0	19-02-2025 28:37:04	28 Street, Mubarak	02.2723132, 55.4358218	53.0	0.0	6.0	08:08	08:27	00:01	3	3	12	>	
19-02-2025 08:41:09	38 Street, Mubarak	02.2723132, 55.4358218	53.0	19-02-2025 7:56:19	38 Street, Mubarak	02.2723132, 55.4358218	53.0	2.8	10.8	07:08	08:18	00:34	16	48	14	>	
19-02-2025 09:16:09	7000 79th, 37th Street	02.2723132, 55.430975	50.0	19-02-2025 31:59:04	31 Street, Dera Ismail	02.5244166, 52.4417402	48.0	2.8	3.58	08:17	08:13	00:01	28	48	8	>	
End																	
HP Company	Truckload	5M81 - 870 High	2311.8	64.20	10.18	147:01	36	180	189	0	0:00	17%					
ABC Company	Truckload	12345 - 8-899	8.8	08:30	0:00	0:00	0	0	0	0	0:00	0%					
DEF Inc	Truckload	666666 - 1000000	4687.01	150:42	22:31	242:05	30	131	141	0	0:00	18%					
GHI Industries	Truckload	567-C-18173	3768.7	28:50	40:13	125:48	13	91	78	0	0:00	15%					

05 Range planning for commercial trips

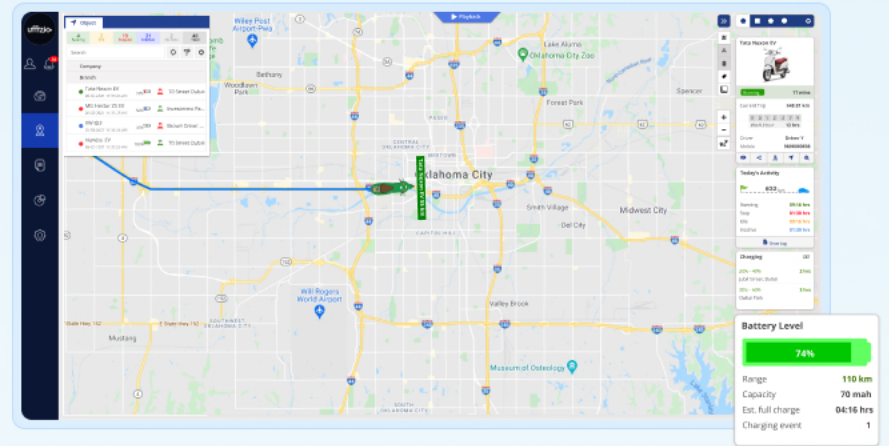
Problem

Long-distance trips risk mid-route charging delays.



Solution

Dynamic range estimation with live battery data.



Result

Electric rental and logistics fleets operate with improved battery health control, higher utilization and predictable performance

30%

Improvement in fleet utilization

25%

Reduction in battery degradation risks

20%

Lower operational energy costs