



Suite of solutions for construction and infrastructure industry

www.fupo.app



FUPO is world's first-in-class software product exclusively designed to address multi location and multi departmental construction asset management, engagement and productivity needs of companies in the construction and infrastructure industry.

Fleet Utilization Productivity & Optimization



Reduces asset idling and improves the overall centralized visibility of asset utilization.



Reduces asset mishandling and creates accountability amongst depts/individuals to utilize the allotted fleet effectively and efficiently.



Saves fuel by providing full allocation control based on set parameters.



Increases overall productivity and helps in tracking job wise productivity.

Stacked with features that provide 360° fleet overview



A secure, smart and advance solution with API driven multi sensor and multi system integration capabilities for effective asset management.



EQUIPMENT FLEET

Equipment overview



Equipment requests



Equipment allocation



Engagement tracking



Fuel allocation



E- Log sheets



Alerts, Notifications,
Reports & Analytics

Modules & Features(Equipment)

Asset Management

- Asset Registration
- Own/Hired Assets
- Asset Transfer/Release
- Asset Breakdown
- QR Code for each Asset
- Asset History

Vendor Management

- Vendor Registration
- Pilot Registration
- Own/Hired Pilots
- Vendor Fleet Composition

Asset Allocation

- Multi-site Requests
- Asset Availability
- Asset Sharing
- Distance based Allocation
- Purpose based Allocation
- OTP based Acceptance/ Rejections

Asset Engagement

- Engagement Status
- GPS based Arrival
- Asset Utilisation
- Job wise Productivity
- E-Log Sheet

Remote User Access(App)

- Asset Live Location
- Multiple Asset Requests
- QR based Authentication
- HMR/KMR Capture
- Secondary User
- Report Breakdown
- Job Extension
- Request History
- Engagement History



EMPLOYEE CONVEYANCE

Fleet availability



Ride requests



Ride mapping



Ride allocations



Fuel allocation



E- log sheets



Alerts, Notifications,
Reports & Analytics

Modules & Features(Employee Conveyance)

Fleet Management

- Vehicle Registration
- Own/Hired Vehicles
- Vehicle Transfer/Release
- Vehicle Breakdown
- QR Code for each Vehicle
- Vehicle History
- Location Configuration
- Route Planning

Driver Management

- Vendor Registration
- Driver Registration
- Own/Hired Drivers
- Driver Documentation
- Driver Productivity

Fleet Allocation

- Multi-location Requests
- Vehicle Availability
- Seating Availability
- Vehicle Sharing
- Distance based Allocation
- OTP based Acceptance/ Rejections

Fleet Engagement

- Engagement Status
- Vehicle Utilisation
- QR based Ride Start/Stop
- Odometer Capture
- Trip wise Productivity
- E-Log Sheet

Ride Management (Senior Personnel)

- Dedicated Vehicle Allocation
- Dedicated Pilot Allocation
- Ride Extension
- Add Co-passenger
- Report Breakdown

Ride Management (Other Employees)

- Ride Requisition
- Ride Sharing
- Multi Seat Allocations
- Ride Extension
- Report Breakdown

Common Modules & Features(Equipment & Conveyance)

Telematics

- Live location
- Movement Status
- HMR & KMR Tracking
- Idling, Working & Non-working Hours
- Route Playback
- Geofencing
- Route & Trip Configuration

Fuel Management

- Fuel Entry
- Fuel Consumption Norms
- Monthly Fuel Budget
- Ideal vs Actual Fuel Consumption

General Features

- Web & Mobile App
- Multi Level Hierarchy
- Multi User Connect
- Role Based Access Control
- Alerts & Notifications
- Reports & Analytics

Reports

- Allocation Report
- Productivity Report
- Breakdown Report
- Utilisation Report
- Performance Report
- Hourly Working Pattern
- Movement Report
- Ignition Report



Implementing the PQRSS Principle



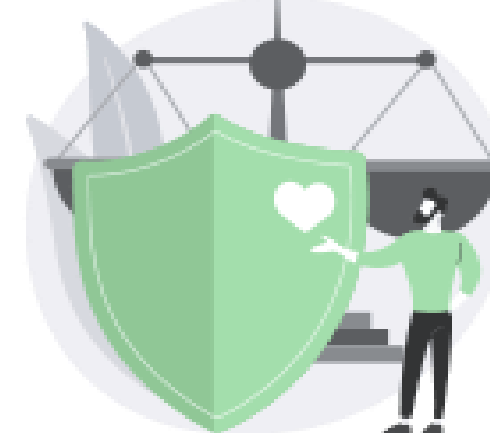
Productivity



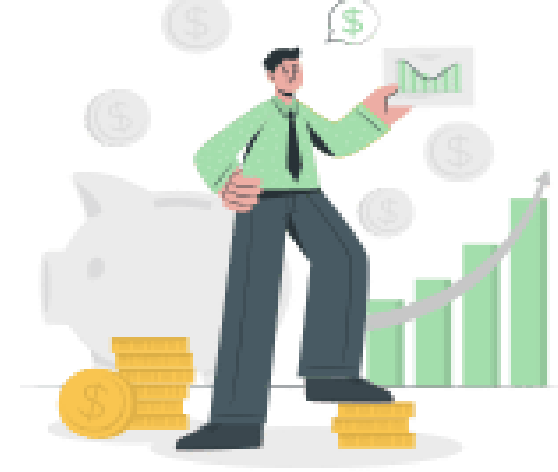
Quality



Reliability



Safety



Sustainability

Saves time

- Instant visibility of asset position, status, work in progress, engagement, under whose usage
- Eliminates calls and coordination with multiple personnel/departments
- Automated alerts, reminders & escalations
- Real-time reporting & actionable insights

Saves manpower

- Generating *e-log sheets* and push to L&T portals via integration/ bulk upload
- Eliminate manual record keeping

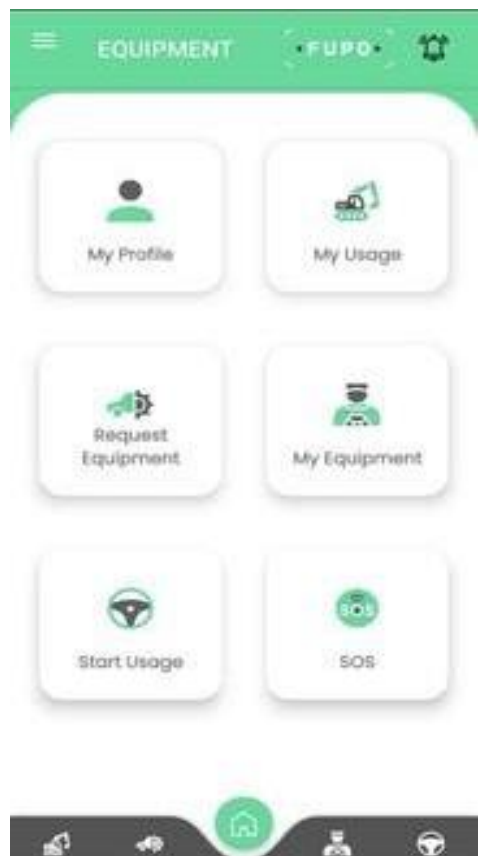
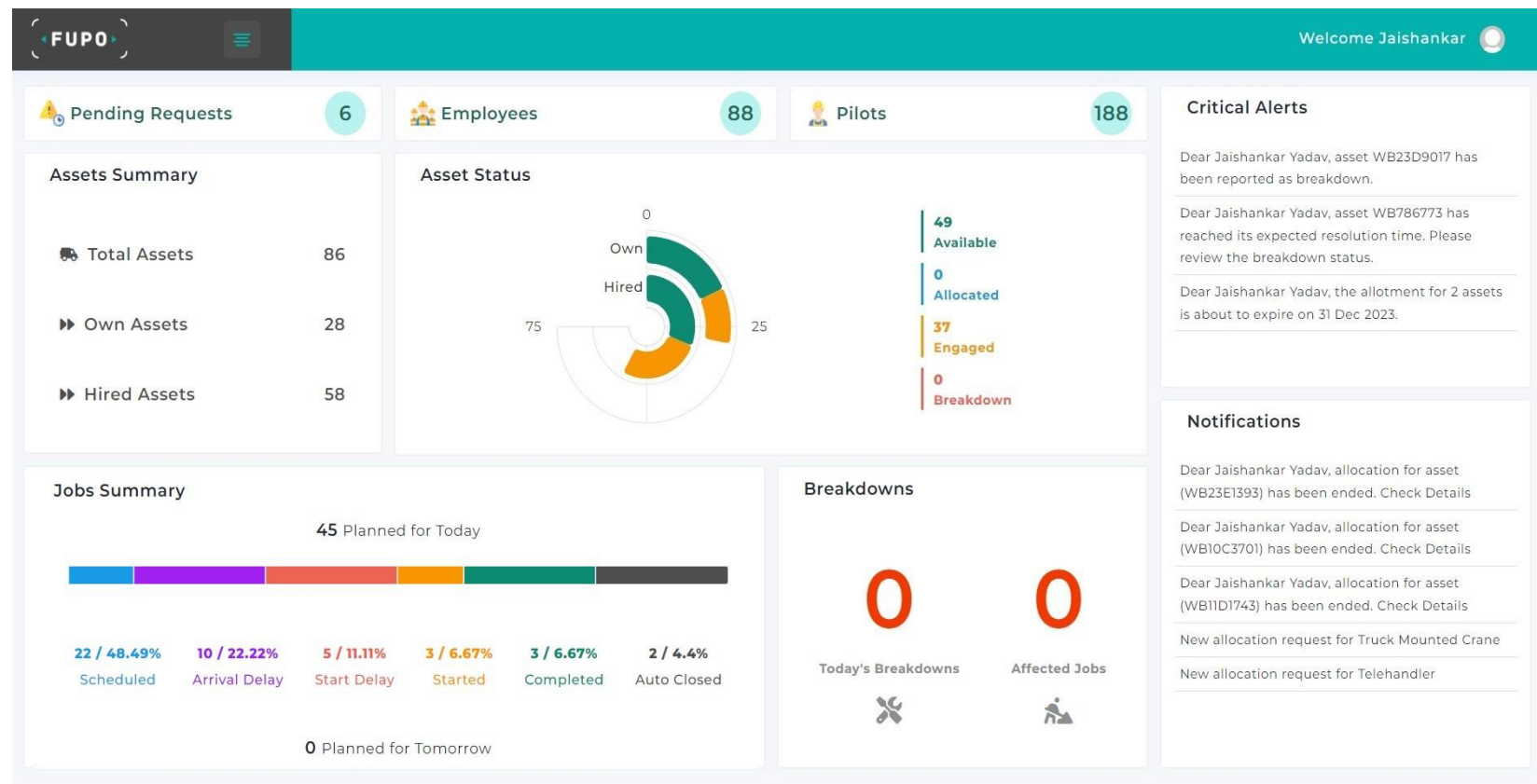
Saves Cost

- Diesel savings by improved equipment engagement
- Opportunity cost
- Man hours for equipment engagement management

Departments empowered

- Planning
- P&M
- Stores

Web & App Screens(Equipment)



The mobile app screen displays the 'Request Equipment' form with the following fields:

- Start Date
- Start Time
- End Date
- End Time
- Purpose
- Equipment Type
- Equipment Capacity
- Priority
- Reporting Location
- Remarks

The web dashboard for FUPO displays various equipment management metrics. At the top, it shows 'Welcome Jaishankar' and navigation icons. The main section includes:

- Asset Requests:** A table showing equipment requests with columns for Requested By, Equipment, Start Date & Time, End Date & Time, Purpose, and Priority.

Requested By	Equipment	Start Date & Time	End Date & Time	Purpose	Priority
Soumik Pramanick 9874354035	Semi Low Bed Trailer Req Equipment	05-06-2023 08:20 AM	05-06-2023 08:20 PM	Materials Shifting (MT)	Emergency
04-06-2023 11:21 AM	60 MT	05-06-2023 08:20 PM	22.00 (MT)	Shuttering and supporting materials shifting from Plot B	Emergency
Soumik Pramanick 9874354035	Tyre Mounted Crane Req Equipment	05-06-2023 08:18 AM	05-06-2023 07:18 PM	Placing of Pier Cap Shutter (Sqm)	Emergency
04-06-2023 11:19 AM	40 MT	05-06-2023 07:18 PM	36.00 (Sqm)	P20 support of shuttering	Emergency
Soumik Pramanick 9874354035	Tyre Mounted Crane Req Equipment	05-06-2023 08:16 AM	05-06-2023 07:16 PM	Loading of Material (MT)	Emergency
04-06-2023 11:17 AM	20 MT	05-06-2023 07:16 PM	22.00 (MT)	P23 P24 span trestle materials shifting	Emergency
Susanta Shil 8609643776	Tyre Mounted Crane Req Equipment	05-06-2023 08:00 AM	200.00 (Sqm)	Soffit Shuttering Fixing	Scheduled



The mobile app screen displays the 'My Equipment' screen with the following information:

- Status: Inprogress
- Equipment Number: JCB3DX
- Time: 12:49:21
- Date: 06-11-2022
- Tonnes: 0
- Start Location: XCGH+94W, Congress Road, B-6, Block B, Kolkata, West Bengal 740235, India, West Bengal, Nadia, Kolkata, India
- Buttons: Pause/Break, End of Day, STOP

Web & App Screens (Conveyance)

FUPO

Welcome Harsha

ALL ASSETS

ASSETS MANAGEMENT / ALL ASSETS

Available	Car & Luxury Car Asset category & subcategory	00:00:00 Total Allocated Hours	-- -- Expected Output	-00:00:00 Total Difference In Engagement	PorscheMacan - Rental Asset Id & Ownership	5 Capacity	Maintenance Asset Release History	QR Code
	TS10EL6745 Registration No	Porsche & Macan Brand & Model	00:00:00 Total Engaged Hours Id	-- -- Actual Output	0.00 Total Difference In Output	0 % Engagement Percentage		
	Description --							
Available	Car & Luxury Car Asset category & subcategory	32:43:56 Total Allocated Hours	-- -- Expected Output	-00:00:00 Total Difference In Engagement	BMW X6 - Rental Asset Id & Ownership	5 Capacity	Maintenance Asset Release History	QR Code
	BMW X6 Registration No	BMW & X6 Brand & Model	97:44:56 Total Engaged Hours Id	-- -- Actual Output	0.00 Total Difference In Output	298.632 % Engagement Percentage		
	Description BMW X6							
Available	Car & Luxury Car Asset category & subcategory	21:44:58 Total Allocated Hours	-- -- Expected Output	-00:00:00 Total Difference In Engagement	BMW X3 - Own Asset Id & Ownership	5 Capacity	Maintenance Asset Release History	QR Code
	BMW X3 Registration No	BMW & X3 Brand & Model	751:32:42 Total Engaged Hours Id	-- -- Actual Output	0.00 Total Difference In Output	3455.468 % Engagement Percentage		
	Description BMW X3							
Available	Car & Luxury Car Asset category & subcategory	04:00:00 Total Allocated Hours	-- -- Expected Output	-00:00:00 Total Difference In Engagement	Audi Q3 - Rental Asset Id & Ownership	5 Capacity	Maintenance Asset Release History	QR Code
	TS10EL6725 Registration No	Audi & Q3 Brand & Model	00:04:25 Total Engaged Hours Id	-- -- Actual Output	0.00 Total Difference In Output	1.84 % Engagement Percentage		
	Description							

FUPO

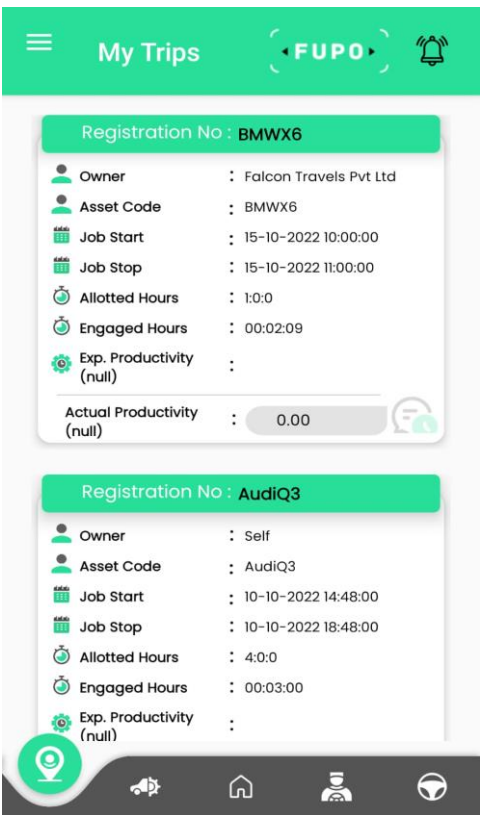
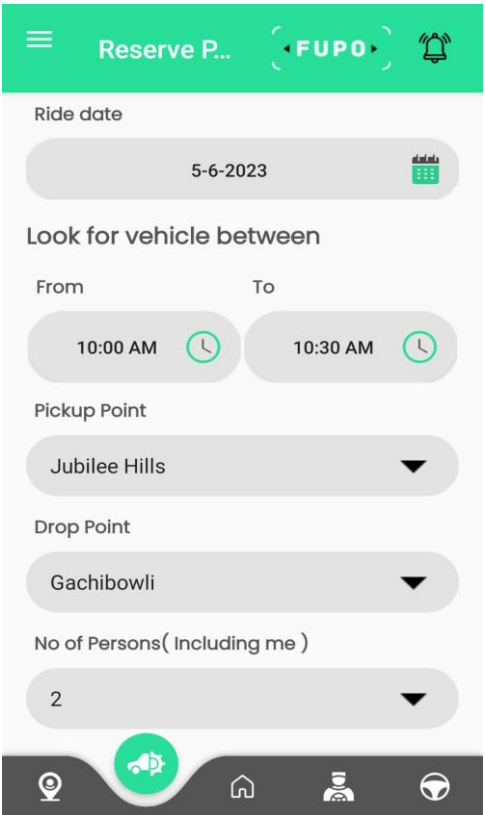
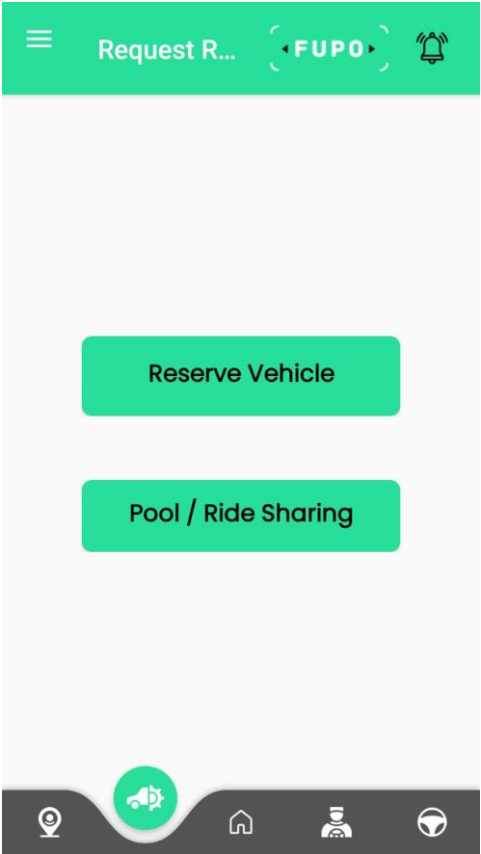
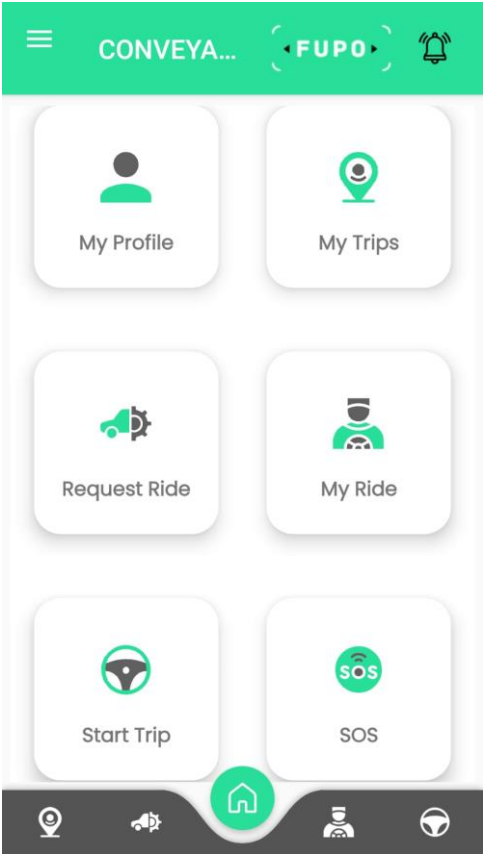
Welcome Harsha

ENGAGED ASSETS RESULTS

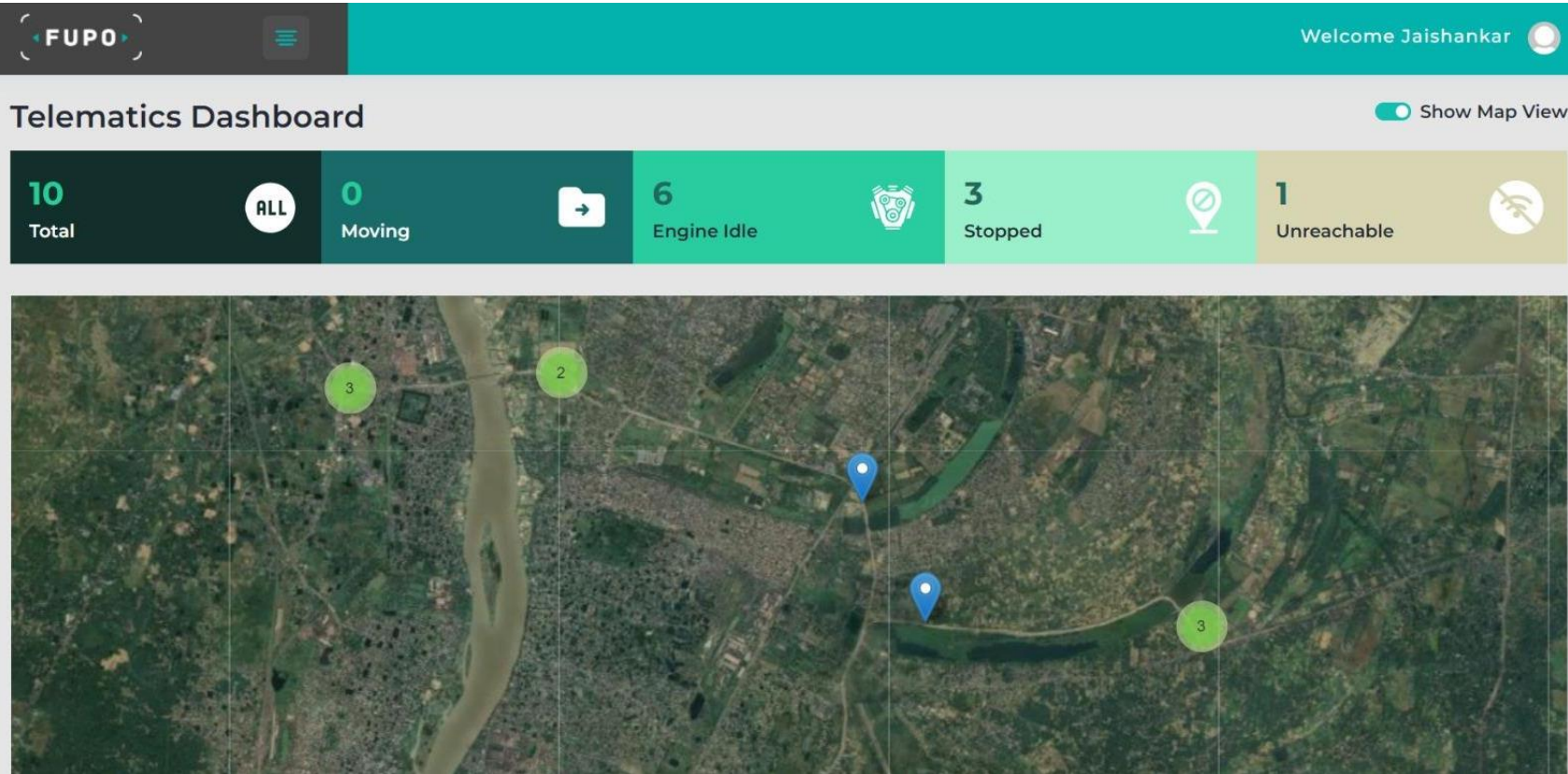
ASSETS MANAGEMENT / ENGAGED ASSETS RESULTS

Color Codes

●	SkodaSlavia & Rental Asset Id & Ownership Type	Car & Sedan Asset category & subcategory	07:00:00 Total Allocated Hours	0.00 Km Total Expected Output	07:00:00 Total Difference In Engagement	Swaraj Das 555555210 Rider Details	Pilot Accepted Pilot Arrived History Close	More info
	TS10EL6775 Registration No	Skoda & Slavia Brand & Model	00:00:00 Total Engaged Hours Id	0.00 Km Total Actual Output	0.00 Km Total Difference In Output	Reserved Request Type		
	Description							
●	SkodaSlavia & Rental Asset Id & Ownership Type	Car & Sedan Asset category & subcategory	03:00:00 Total Allocated Hours	0.00 Km Total Expected Output	03:00:00 Total Difference In Engagement	Swaraj Das 555555210 Rider Details	Pilot Accepted Pilot Arrived History Close	More info
	TS10EL6775 Registration No	Skoda & Slavia Brand & Model	00:00:00 Total Engaged Hours Id	0.00 Km Total Actual Output	0.00 Km Total Difference In Output	Reserved Request Type		
	Description							
●	BMW X3 & Own Asset Id & Ownership Type	Car & Luxury Car Asset category & subcategory	02:00:00 Total Allocated Hours	0.00 Km Total Expected Output	02:00:00 Total Difference In Engagement	Swaraj Das 555555210 Rider Details	Pilot Accepted Pilot Arrived History Close	More info
	BMW X3 Registration No	BMW & X3 Brand & Model	00:00:00 Total Engaged Hours Id	0.00 Km Total Actual Output	0.00 Km Total Difference In Output	Reserved Request Type		
	Description							
●	TataNexon & Rental Asset Id & Ownership Type	Car & SUV Asset category & subcategory	05:00:00 Total Allocated Hours	0.00 Km Total Expected Output	05:00:00 Total Difference In Engagement	Swaraj Das 555555210 Rider Details	Pilot Accepted Pilot Arrived History Close	More info
	TS10AL6745 Registration No	Tata & Nexon Brand & Model	00:00:00 Total Engaged Hours Id	0.00 Km Total Actual Output	0.00 Km Total Difference In Output	Reserved Request Type		
	Description							



Telematics, Fuel & Reports



FUPO

Welcome Madhu

Fuel Norms & Budget

Master / Fuel Norms & Budget

Show Records : 10

Set Multiple Values

Search:

SN	Asset ID	Asset Type	Capacity	Fuel Norm			Fuel Budget (In Litres)			Action
				LPH	KMPL	Productivity	Last Month	Consumed	Current Month	
1	ABC120ECOT	Asphalt Mixing Plant	120 TPH	13.00	NA	100.00	200	183	850	⋮
2	Bike	Bike	2 Seater	NA	10.00	100.00	200	5	250	⋮
3	Car	Car	5 Seater	NA	12.00	10.00	200	115	600	⋮
4	DGNC1411	Diesel Generator	15 KVA	10.00	NA	100.00	200	145	500	⋮
5	DGNC1135	Diesel Generator	15 KVA	10.00	NA	100.00	200		300	⋮
6	DGNC1255	Diesel Generator	15 KVA	10.00	NA	100.00	200	120	300	⋮
7	MadhuErtiga	Flat Bed Trailer	15 MT	NA	11.00	21.00	31		1000	⋮
8	TS23UT4323	Flat Bed Trailer	15 MT	NA	11.00	21.00	0	233	1200	⋮
9	MadhuExtra	Tyre Mounted Crane	20 MT	13.00	NA	10.00	200		1500	⋮

FUPO

Welcome Gayalal

Productivity Report

Reports / Productivity Report

Type: User Wise

From Date: 13-02-2023

To Date: 25-02-2023

Employee: All

Go

Generates the job wise productivity report of the selected assets for the specified date range.

Productivity Report of User : "All" from : 13-02-2023 to 25-02-2023

Show Records : 10

Search:

SN	Employee Name	Purpose	Asset Type	Asset Code	Total Allocated Hours	Job Start	Job Stop	Total engaged Hours	Expected Productivity	Actual Productivity	Productivity status
1	Pralay Mandal	Steel Shifting	Semi Low Bed Trailer	WO2104358	08:20:00	25-02-2023 11:40:00	25-02-2023 20:00:00	07:50:49	1.00 (MT)	1.00 (MT)	●
2	Pralay Mandal	Soil Shifting	Tipper	1811-117-3	08:25:00	25-02-2023 11:35:00	25-02-2023 20:00:00	07:48:32	2.00 (Trips)	0.00 (Trips)	●
3	Pralay Mandal	Pond Ash Shifting	Tipper	1811-117-3	09:00:00	24-02-2023 11:00:00	24-02-2023 20:00:00	07:37:15	2.00 (Cum)	3.00 (Cum)	●
4	Pralay Mandal	Steel Shifting	Semi Low Bed Trailer	WO2104358	09:00:00	24-02-2023 11:00:00	24-02-2023 20:00:00	07:38:37	1.00 (MT)	1.20 (MT)	●
5	Pralay Mandal	Steel Shifting	Semi Low Bed Trailer	WO2104358	08:50:00	23-02-2023 11:10:00	23-02-2023 20:00:00	06:25:45	2.00 (MT)	2.00 (MT)	●

FUPO

Welcome Jaishankar

Asset Working Pattern

Telematics Reports / Asset Working Pattern

Date: 03-06-2023

Select Asset: Select Type

Go

Generates the hourly working pattern of the selected assets for the selected date.

Search:

Asset ID	Reg No.	Asset Type	Movement Type	Owner	00:00 - 01:00 (HH:MM:SS)	01:00 - 02:00 (HH:MM:SS)	02:00 - 03:00 (HH:MM:SS)	03:00 - 04:00 (HH:MM:SS)
4060535H	WB41F2418	Semi Low Bed Trailer	Moving	Nazir Roadkings	Working : 00:00:00 Non Working : 01:00:00 Idle : 00:00:00	Working : 00:00:00 Non Working : 01:00:00 Idle : 00:00:00	Working : 00:00:00 Non Working : 01:00:00 Idle : 00:00:00	Working : 00:00:47 Non Working : 00:58:43 Idle : 00:00:30
40011CUH	WB39A0401	Water Tanker	Moving	Radhakanta Ghosh	Working : 00:00:00 Non Working : 01:00:00 Idle : 00:00:00	Working : 00:00:00 Non Working : 01:00:00 Idle : 00:00:00	Working : 00:00:00 Non Working : 01:00:00 Idle : 00:00:00	Working : 00:00:00 Non Working : 01:00:00 Idle : 00:00:00
25961012	25961012	Diesel Generator	Not Moving	Self	Working : 00:00:00 Non Working : 01:00:00 Idle : 00:00:00	Working : 00:00:00 Non Working : 01:00:00 Idle : 00:00:00	Working : 00:00:00 Non Working : 01:00:00 Idle : 00:00:00	Working : 00:00:00 Non Working : 01:00:00 Idle : 00:00:00
					Working : 00:00:00	Working : 00:00:00	Working : 00:00:00	Working : 00:00:00

CONSTRUCTION
COMPANY

Case Study

EN 23
J11N
02

One of the world's largest construction companies implemented FUPU to strategically improve transparency, control and accountability concerning their asset registration, allocation, utilization, productivity, fuel consumption and keep a check on asset idling and fuel theft with integrated telematics.

Industry	Period	Fleet Size	Fleet Type	Market
Construction	3 Months	80	Heavy Machinery	India

Problems



Industry	Period	Fleet Size	Fleet Type	Market
Construction	3 Months	80	Heavy Machinery	India

OKRs & Goals

- Manage daily **asset allocations** effectively and efficiently.
- Have **centralized** visibility of assets.
- Ensure proper **asset usage** and improve **asset utilization**.
- Reduce **asset idling** due to various reasons.
- Have control over daily **fuel consumption** of assets.
- Keep a check on **fuel theft** incidents.
- Track **job-wise productivity** and improve overall productivity.
- **Asset telematics** to monitor the live location and transit time of assets.
- Improve **accountability** among various departments/employees.
- Generate **e-logsheets** for jobs on a daily basis.

Industry	Period	Fleet Size	Fleet Type	Market
Construction	3 Months	80	Heavy Machinery	India

Deployed Solution

FUPO

- Asset Management
- Asset Utilization
- Asset Productivity
- Asset Optimization
- Centralized Control
- De-centralized Application
- Approval & Escalation Matrix
- Multi Level Organizations
- Equipment Maintenance Integration
- Seamless Connect, Multi-user end points

Multi Level Set up

Fleet Telematics

Project Level

Employee Level

- Asset Registration, QR Code Application
- Asset Allocation to projects/sites
- Asset Requests from sites
- Asset Allotment as per request
- Asset Engagement & Productivity Tracking
- Asset Movement Tracking with in-built Telematics
- Operations: Fuel Allocation & Consumption Analysis
- Asset Breakdown Analysis
- E-Logsheets
- Personalized/ Custom Alerts & Reminders
- Reports & Analytics
- Improve Employee Accountability
- Multi-Layer Reporting & Communication
- Cloud Based Solution

TECHNOLOGY STACK



Industry	Period	Fleet Size	Fleet Type	Market
Construction	3 Months	80	Heavy Machinery	India

Key Results

- Productivity
- Quality
- Reliability
- Safety
- Sustainability

Savings Analysis for 3 Months

STAKEHOLDERS

57

ASSET REQUESTS

1990

JOB ALLOCATIONS

1864



65%

REDUCTION IN DAILY ASSET ALLOCATION TIME



20%

INCREASE IN ASSET UTILIZATION



50%

REDUCTION IN DAILY STAKEHOLDER COMMUNICATION



100%

INCREASE IN ASSET VISIBILITY



546

TOTAL MAN HOURS SAVED



2%

INCREASE IN FUEL SAVINGS

Cost Savings due to Reduced Idling

Total Idling Time	2400 Hrs	INR 31.2 Lakhs
Total Savings @20%	480 Hrs	
Rental + Production Cost/Hr	INR 6500	

Diesel Savings

Total Diesel Consumption	4.5L Ltrs	INR 8.1 Lakhs
Total Savings @2%	9k Ltrs	



Fleet Utilization Productivity & Optimization

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