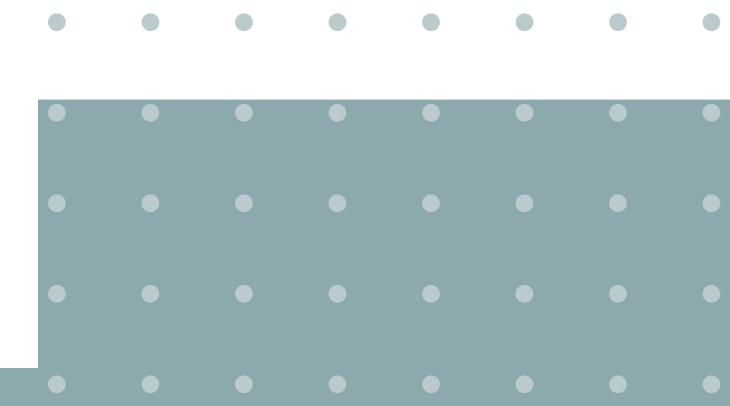




ISSM



B3.AI

Automate | Innovate | Accelerate



Brief Overview of Software and Hardware Applications

Tracking and Fuel Gauge Hardware and Software

Data Collection Choices

- Following hardware will be Deployed :
 - OBD based Trackers
 - Fuel Gauge Hardware
 - Kill switch and other support hardware

An OBD scanner connects to a vehicle's onboard computer, providing real-time data on diagnostics and performance. It's valuable for diagnosing issues and monitoring engine health.

A fuel gauge hardware in a vehicle collects fuel level data and sends it via OBD (On-Board Diagnostics) to the vehicle's computer, enabling real-time monitoring of fuel levels and consumption for efficient management.

Data Visualisation via Software Applications

A complete management portal will be provided to manage the whole operations from a single platform.

The main features of this platform are:

- Order Module
- Fuel Module
- Fleet and Vehicle Module
- Inventory Module
- Equipment Management and maintenance
- Web- App
- Service Creation Module
- Driver's Module
- Workflows and Alerts
- Video Module

Seamlessly integrating all these modules into a cohesive system, workflow optimization reaches its pinnacle. Orders are swiftly translated into meticulously optimized routes through real-time algorithms, guaranteeing punctual deliveries.

AI / ML Modeling

Elevating Fleet Management Through Data-Driven Insights.

Using AI and ML modeling, we can make use of advanced analytics solutions that empower efficient navigation, enhance driver safety, optimize resource allocation, and proactively anticipate maintenance needs, resulting in a smarter, more responsive fleet management ecosystem.

All of the data gathered will be integrated with the system to provide advanced analytics and forecasted predictions that will be based on data.

VALUE PROPOSITION

INTERNAL EFFICIENCY

ROUTE OPTIMIZATION

With Business 360s embedded AI route optimization, businesses can improve delivery efficiency by following the optimal route for delivery to reduce expenses and manage deliveries leading to an increase in on-time deliveries.



DATA ANALYTICS

We have deployed an extensive number of data points for analysis of your business to provide information and reports to help you make better decisions.



INTERLINKING

Our system has the ability to integrate your own delivery set up with the system along with an option to use 3PL services and floating riders like Bykea, Careem, etc.



CUSTOMER EXPERIENCE

ORDER NOTIFICATION

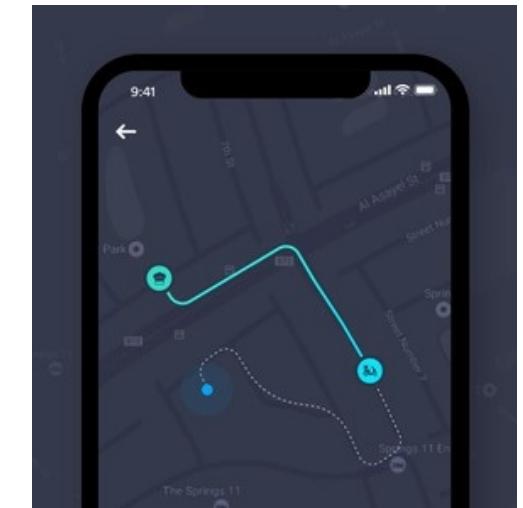
Your customers will get tailored notifications of orders, promotions, updates, and status which will help improve customers' experience.

- ✓ Order Received 7:17PM
DoorDash has received your order
- ✓ Being Prepared 7:20PM
Your food is being prepared
- ✓ Dasher Arrived 7:38PM
Kathy is waiting for the restaurant to finish your order
- ✓ On its way! 7:46PM
Kathy is on the way with your food



LIVE TRACKING

Customers will receive tracking links upon order placements with the detailed status of their orders along with live location of their delivery riders.





ISSM

Data Visualisation via Applications

Dashboard

All data that is collected →

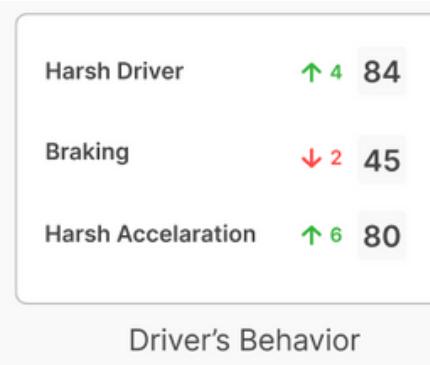
All data that is collected →

KPI's for Fleet Drivers

These Key Performance Indicators (KPIs) for fleet drivers in fleet management software help monitor driver performance, safety, and efficiency

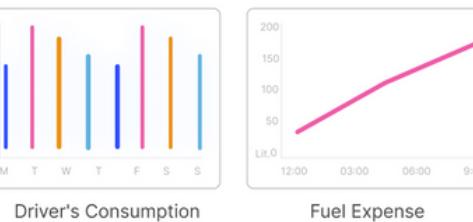
Driver Safety:

- Harsh Acceleration:** Instances of rapid acceleration from a stop.
- Harsh Braking:** Instances of sudden and hard braking.
- Harsh Cornering:** Instances of sharp turns taken at high speeds.
- Speeding Incidents:** Number of times the driver exceeds speed limits.
- Seat Belt Usage:** Frequency of seat belt usage by the driver.



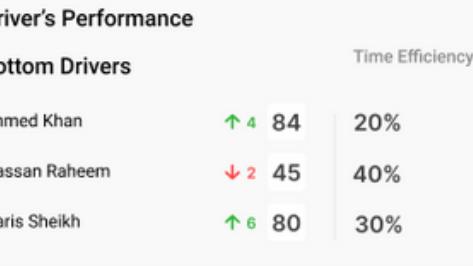
Efficiency and Fuel Economy:

- Fuel Consumption:** Average fuel used per distance traveled.
- Idle Time:** Total time the vehicle is idling while the engine is running.
- Average Speed:** Average speed during driving periods.
- Route Adherence:** Deviation from planned routes and schedules.



Performance Monitoring

- On-Time Performance:** Percentage of deliveries made on time.
- Delivery Accuracy:** Rate of successful deliveries without errors.
- Customer Feedback:** Ratings and feedback from customers.



Compliance and Regulations

- HOS (Hours of Service) Compliance:** Adherence to driving and resting hours regulations.
- Logbook Accuracy:** Accuracy of driver logbooks for reporting work hours.



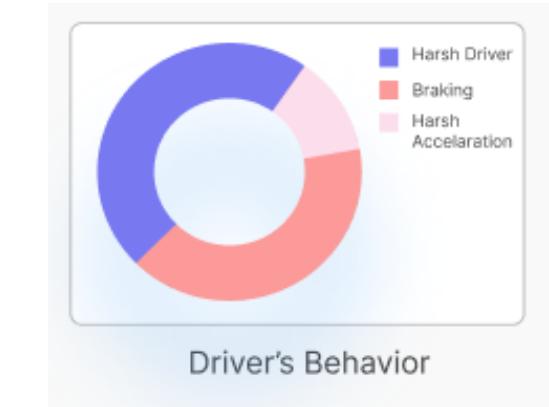
Accident and Incident Monitoring

- Accident Rate:** Frequency of accidents or collisions involving the driver.
- Incident Reports:** Number of incident reports filed by the driver.
- Incident Database:** A complete database is maintained for each driver's incident history.

Incident Report Table				
SR NO	INCIDENT ID	DESCRIPTION	DOCUMENTS	IMAGES
1	1234	Ahmed Khan	AccidentReport.pdf	Uploaded
2	2843	Hassan Raheem	Details.pdf	Uploaded
3	1048	Abdul Hannan	doc.pdf	Uploaded
4	2340	Haris Khan	pictures.pdf	Uploaded
5	3461	Salman Arvi	TruckPictures.pdf	Uploaded

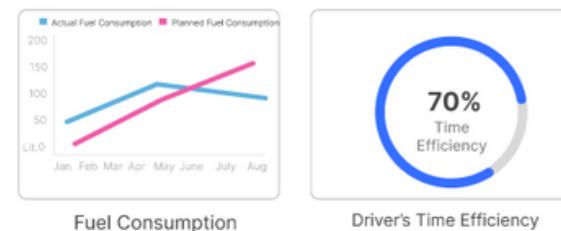
Behavioral Metrics

- Driver Score:** Composite score based on safety, efficiency, and compliance.
- Driver Feedback:** Manager or system-generated feedback on driving behavior.
- Ratings Display:** Ratings for top and bottom-ranked drivers are listed for optimal decision-making.



Fuel Tracking

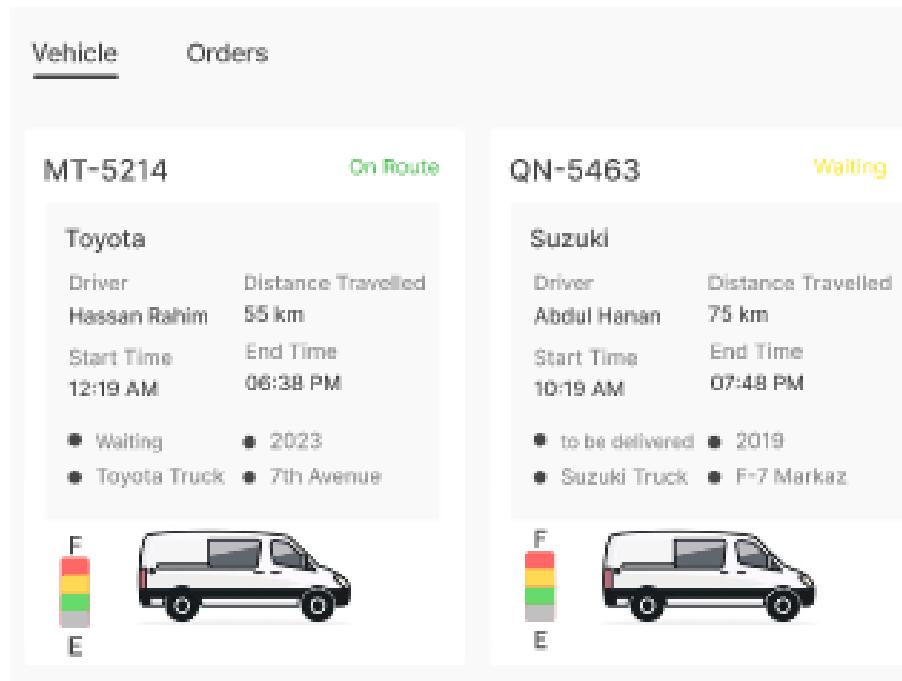
- Fuel Allotment Logs:** Logs of allotted fuel for each driver are made to improve fuel management and tracking.
- Fuel Consumption Analytics:** Analytics and ratios are presented on the dashboard of each driver related to their fuel consumption.



Fuel Management

Fuel Level and Tracking

The system provides real-time monitoring of vehicle status and fuel levels, ensuring optimal performance, efficiency, and informed decision-making.



Daily Fuel Reports

The system generates daily fuel reports, delivering valuable insights into fuel consumption patterns and expenses in the form of downloadable reports for complete transparency.

Daily Fuel Reports					
SR NO	VEHICLE	FUEL ISSUED	DRIVER	ODO READING	DISTANCE TRAVELED
1	Regular	12.0 Liters	Ahmed Khan	20,000	124,587 km
2	Inspection	13.4 Liters	Osama Malik	40,000	134,587 km
3	Regular	12.6 Litres	Haris Sheikh	30,000	103,223km
4	Regular	11.0 Liters	Salman Alvi	45,000	121,983 km
5	Inspection	13.7 Liters	Ibrahim Khan	37,000	235,019 km

Analytics and Graph

Detailed analytics and visualizations, presenting fuel management data through intuitive graphs and charts with extensive filters to generate data that you require.



Dashboard

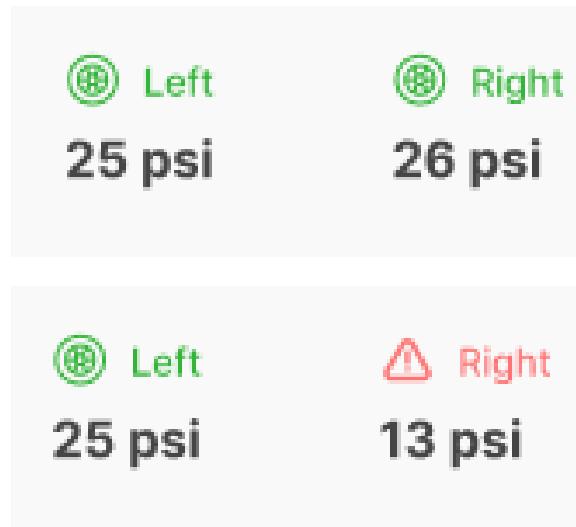
The system provides a comprehensive overview of all vehicles, encompassing key metrics such as fuel levels, mileage, distance traveled etc. to keep you updated at a glance.

VEHICLE	CAPACITY	FUEL CONSUMPTION	DAILY DISTANCE TRAVELED
Jetting Vehicle	100 Liters	7 l/km	75 km
Water Tanker	120 Liters	5 l/km	55 km
Sewerage Vehicle	97 Liters	6 l/km	42 km

Vehicle Data and Analytics

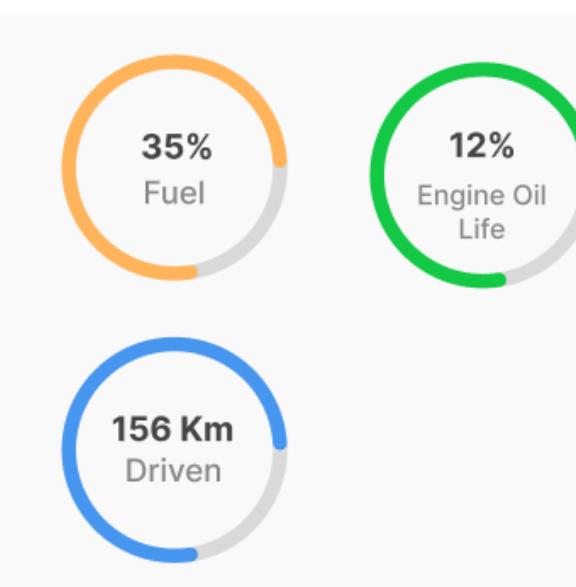
Tyre Pressure Sensors

The integrated tire pressure sensor data furnishes real-time insights into tire conditions, empowering efficient maintenance decisions and ensuring vehicle safety and performance through accurate pressure monitoring."



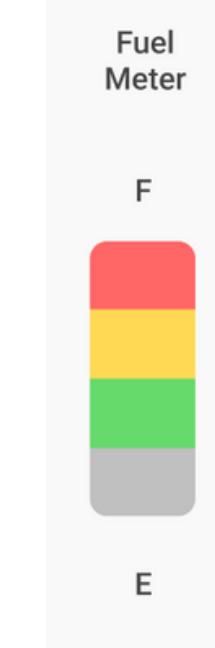
Fuel, Distance and Engine Oil Sensors

Fleet management can be enhanced with real-time fuel level, distance traveled, and engine oil data, enabling precise decision-making for enhanced efficiency and maintenance.



Fuel Level Sensor

Visualize real-time fuel levels at a glance, streamlining monitoring and enabling efficient fuel management for your fleet.



Alerts

Receive instant alerts like maintenance, engine light, tyre pressure, battery etc. to ensure proactive decision-making by staying informed about critical fleet parameters in real-time.

Alerts	
Maintenance Due Alert	Fluid Level Alert
Engine Light Alert	Warranty Expiration Alert
Tyre Pressure Alert	System Idling - 30 mins
Battery Health Alert	Freewheeling

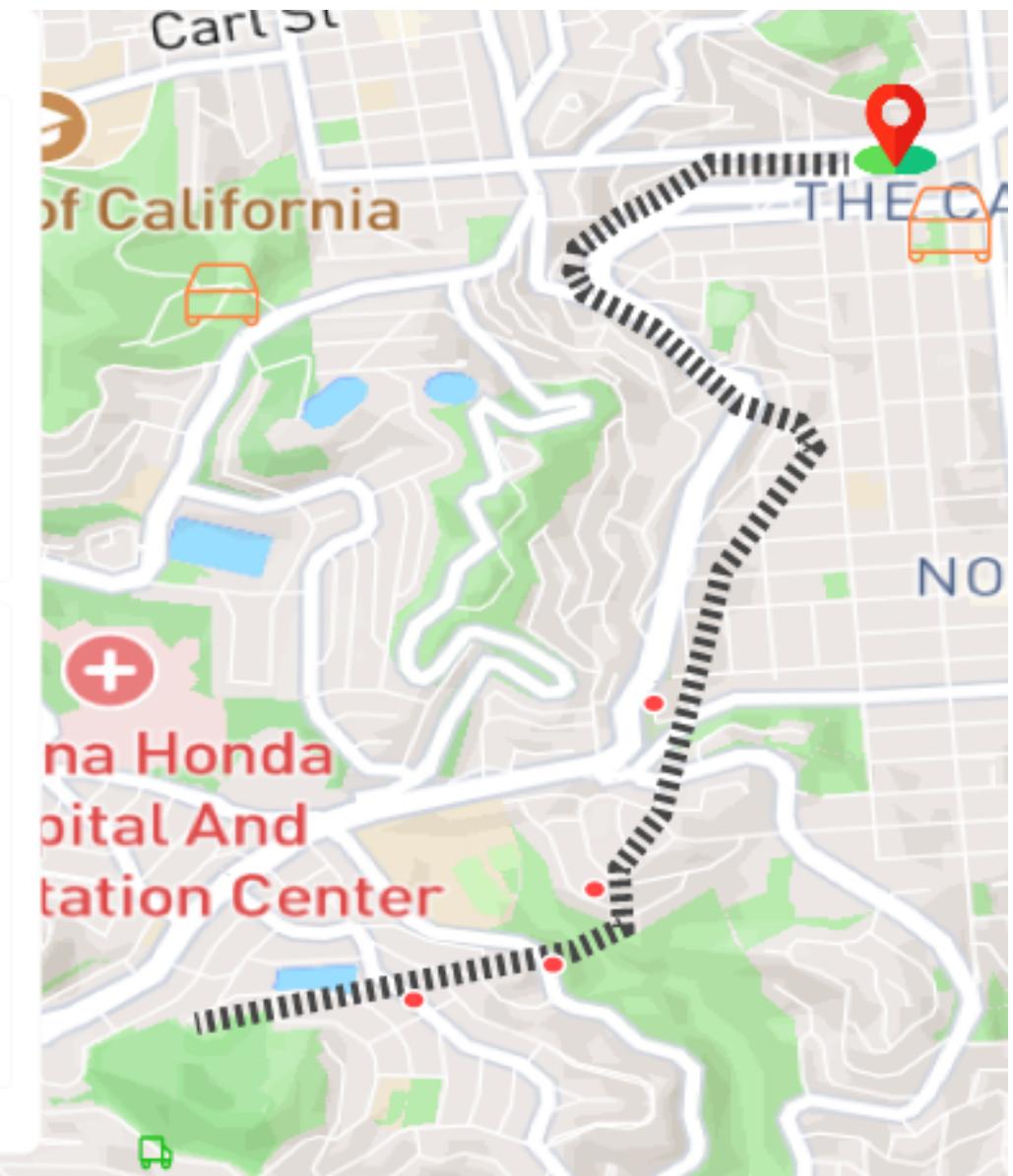
Live Vehicle Tracking

Tracking Module:

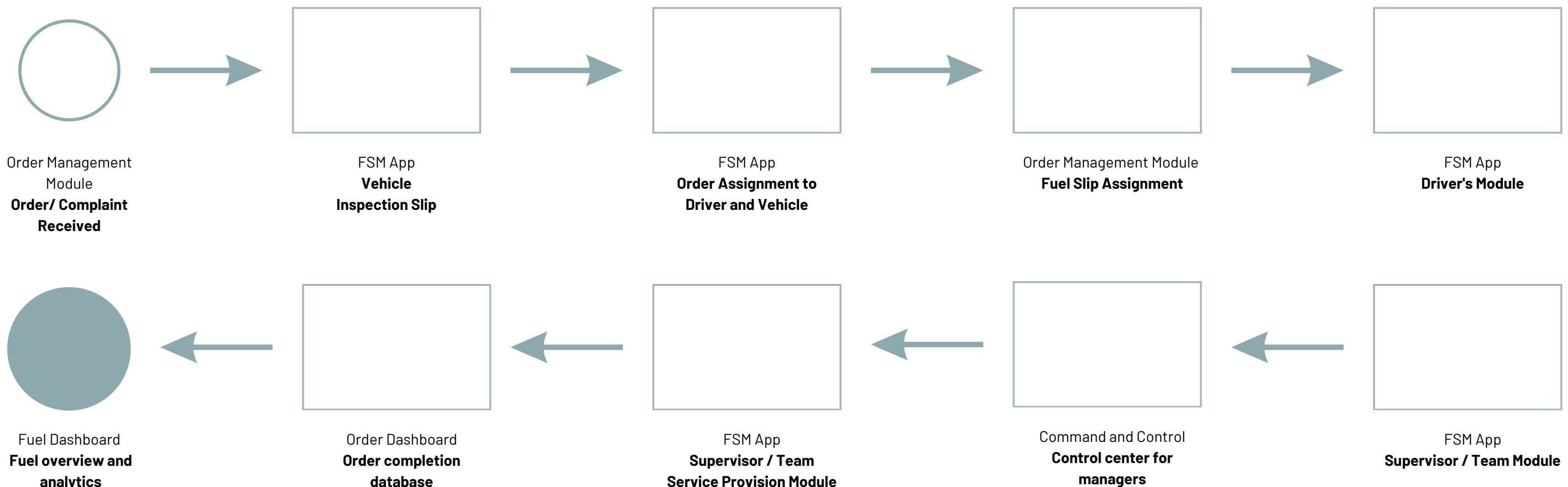
The system offers live vehicle tracking, empowering clients with real-time location and route information to enhance operational efficiency and fleet management.

- Live Vehicle Location
- Order Status
- Order Details
- Overview of all orders

Vehicles			
MT-5214	On Route	QN-5463	Waiting
Toyota		Suzuki	
Driver	Distance Travelled	Driver	Distance Travelled
Hassan Rahim	55 km	Abdul Hanan	75 km
Start Time	End Time	Start Time	End Time
12:19 AM	06:38 PM	10:19 AM	07:48 PM
● Waiting	● 2023	● to be delivered	● 2019
● Toyota Truck	● 7th Avenue	● Suzuki Truck	● F-7 Markaz
 F		 F	
QR-3457	Waiting	LR-7343	On Route
Hyundai		Suzuki	
Driver	Distance Travelled	Driver	Distance Travelled
Asim Azhar	50 km	Hassan Rahim	76 km
Start Time	End Time	Start Time	End Time
09:15 AM	10:44 PM	08:12 AM	11:08 PM
● To be delivered	● 2018	● Waiting	● 2023
● Hyundai Truck	● Rawal Rd	● Suzuki Van	● DHA Phase II
 F		 F	



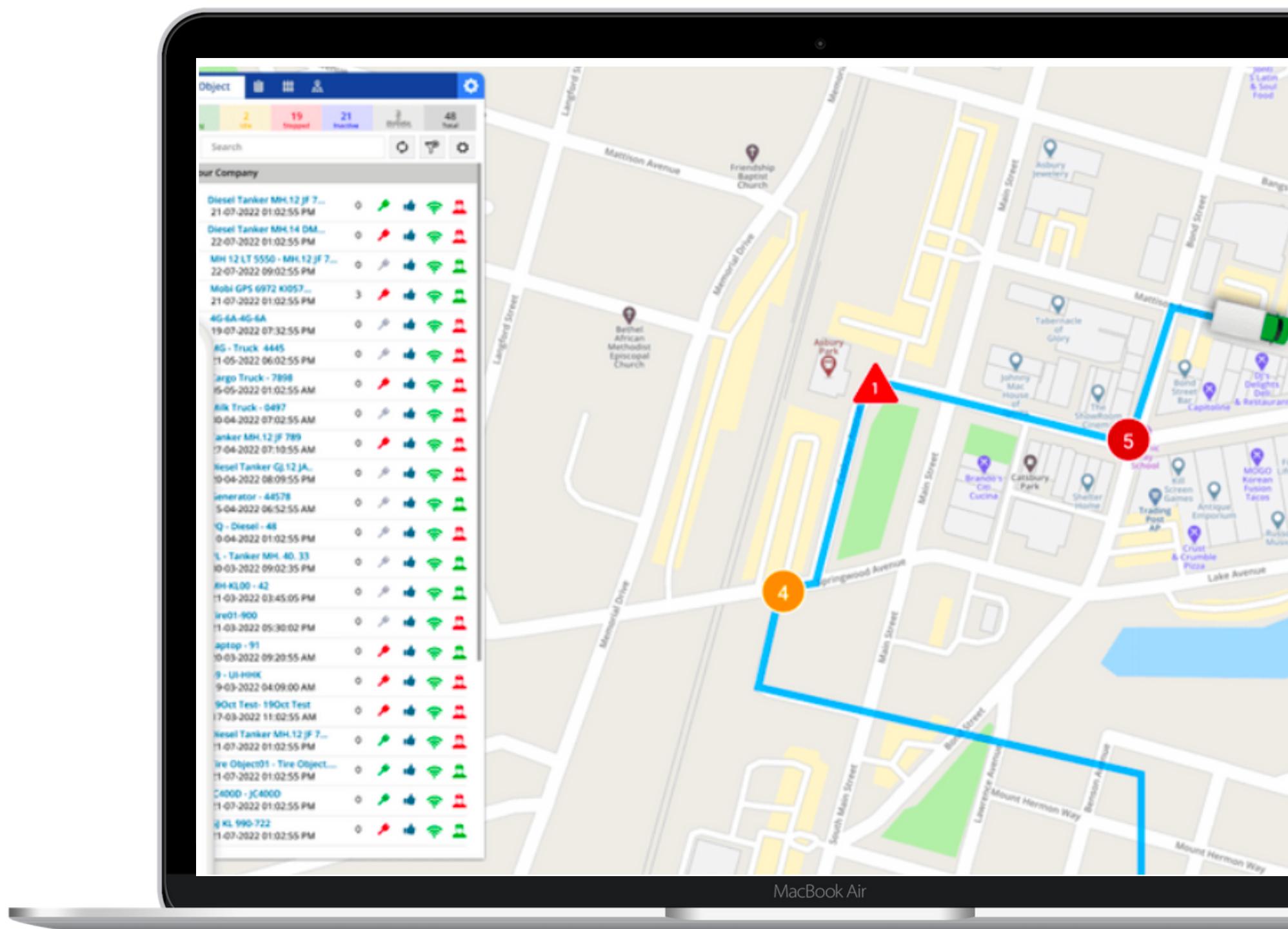
Service Provisioning Workflow



Command and Control Center

Features of the command and control centre:

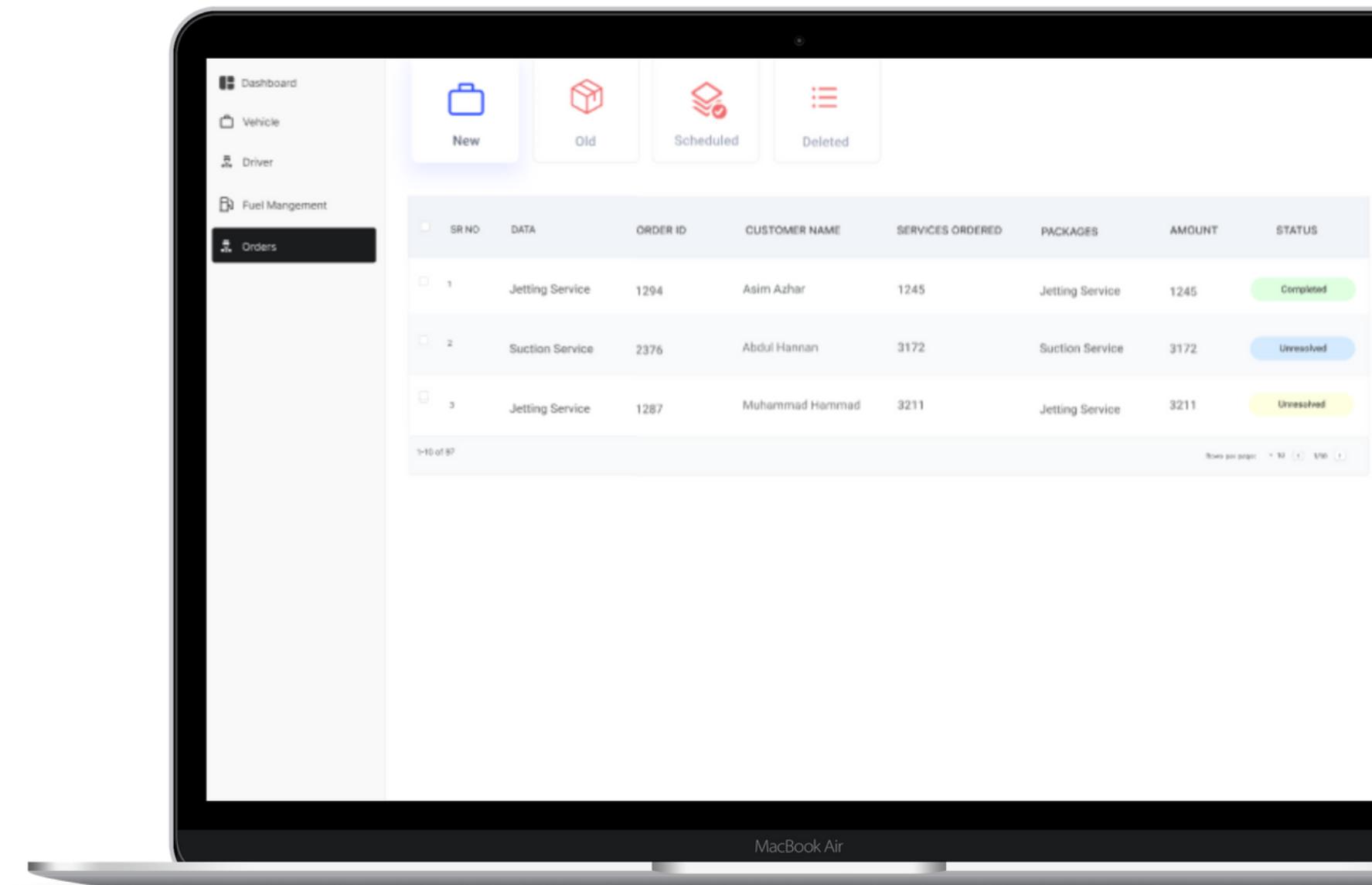
- 1. Real-time Vehicle Tracking:** Provides live tracking of all the vehicles on a map.
- 2. Vehicle Status Overview:** Displays the current vehicle status, including the active, idle, and delivery status of the vehicles.
- 3. Order Listing:** A complete list of orders that are to be handled by a vehicle, along with customer details.
- 4. Alerts and Status:** Real-time status is shown on the dashboard of all vehicles.
- 5. Route Optimization:** Enables planning and optimizing the most efficient routes for vehicles to improve fuel costs and delivery times.



Order Management Dashboard

Features of the order management module:

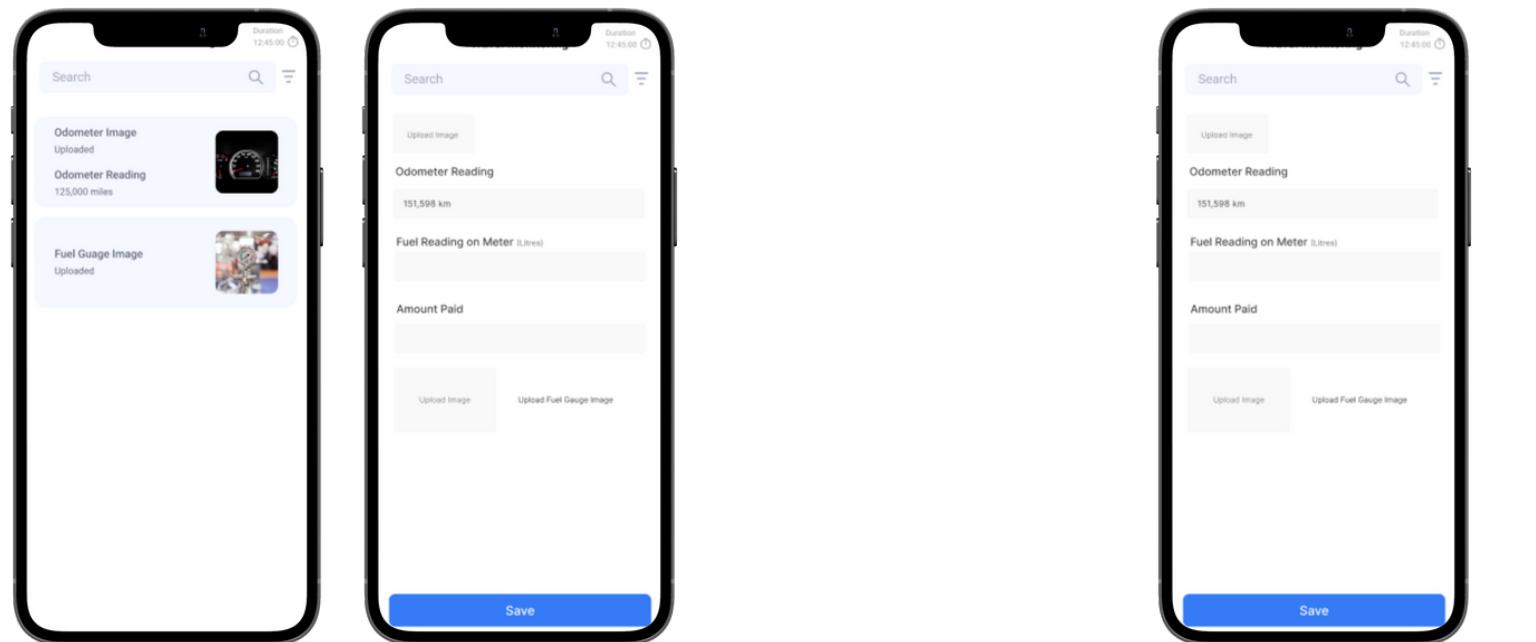
- **Order Creation:** Allows users to create new orders with essential details.
- **Order Tracking:** Provides real-time tracking of orders from creation to fulfillment.
- Enables scheduling and assigning deliveries based on available resources and routes.
- Generates reports and provides analytics on order fulfillment, delivery performance, and customer satisfaction.
- **Order History:** Maintains a record of past orders for reference and analysis



Fuel Monitoring

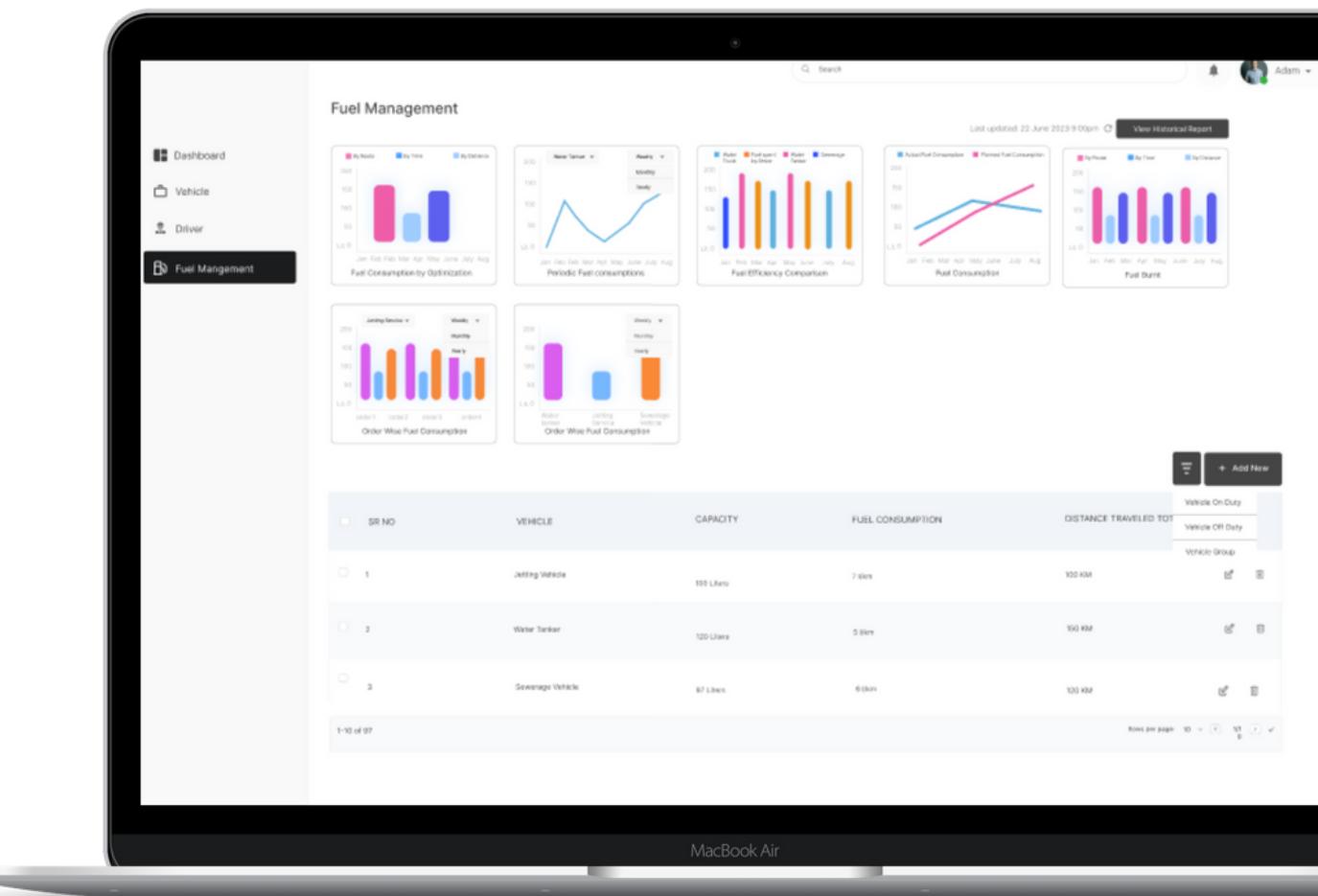
Features of the Fuel Monitoring Module:

1. Fuel Consumption Tracking: Monitors and tracks fuel consumption for individual vehicles or the entire fleet.
2. Fuel Reports and Analytics: Generates reports and provides analytics on fuel consumption, costs, and trends.
3. Fuel Efficiency Recommendations: Provides recommendations and best practices for improving fuel efficiency.



The driver will enter the odometer reading, and upload the image of fuel receipts and gauge before starting the day.

Driver will upload the odometer reading, fuel gauge image etc. at the end of day to track their fuel consumption

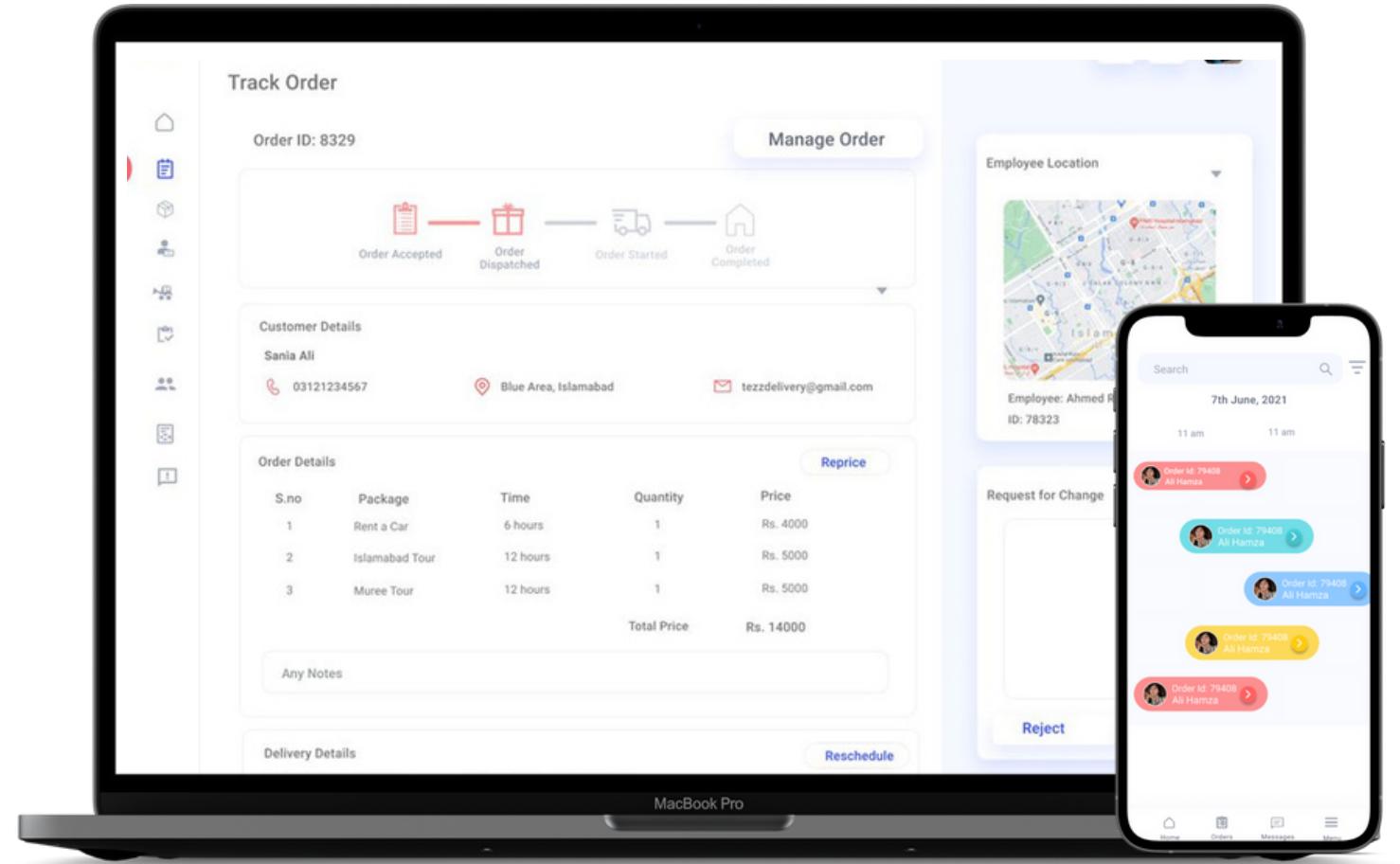


Admin/managers will have access to view the completed orders along with their fuel info, customer feedback, order status, payment mode, etc. in detail for better decision making and improved control.

Driver's Module

Features of the driver's management module:

- **Real-time Tracking:** Track your driver's live location and task status through the vendor portal and build geo-fencing for service delivery.
- **Driver's Analytics:** Effortlessly track driver ratings and analytics within our system, providing a comprehensive platform for evaluating driver performance over time.
 - Driver Behavior
 - Driving Pattern
 - Fuel Expense
 - Incident Management
- **Order History:** Maintains a record of past orders for reference and analysis



Vehicle and Equipment Maintenance

Vehicle Maintenance

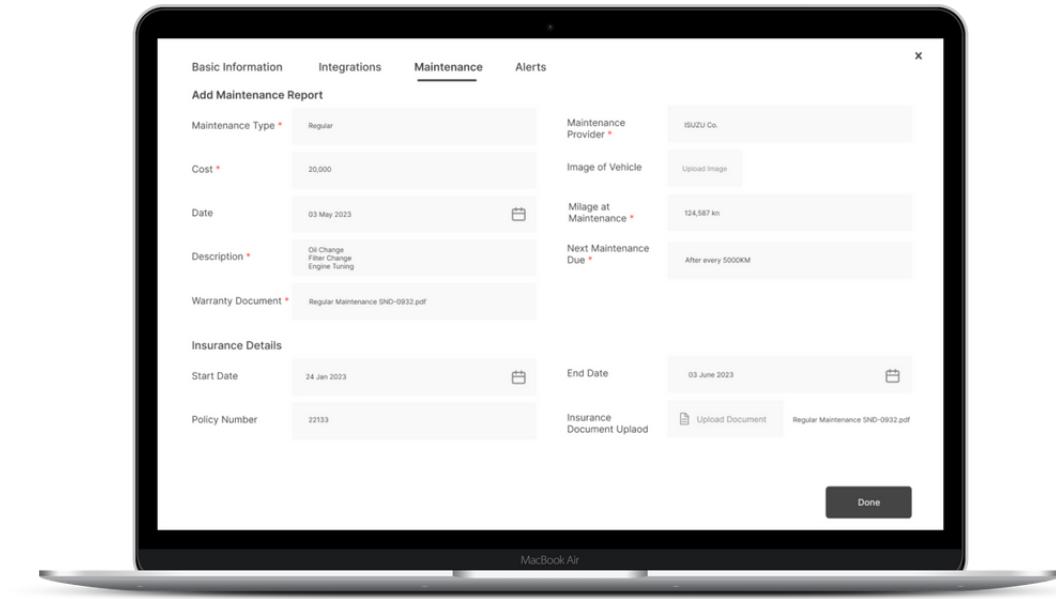
Keeping track of the fleet's maintenance can be streamlined using the system.

This module allows one to keep track of distance traveled, maintenance documents, and maintenance timelines, without having to remember the schedule. the system will automatically generate alerts and reminders of a specific part whenever required.

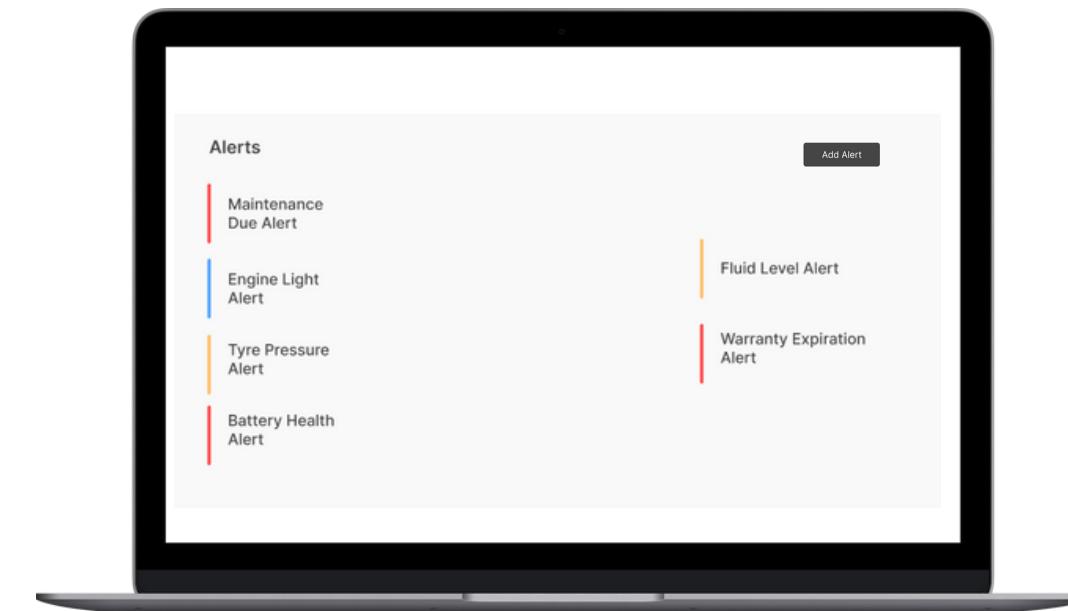
Moreover, maintenance and insurance documents e.g. warranty cards etc, can be stored on the database to keep track of it too.

Equipment Maintenance

Similarly, equipment used to provide services e.g. Jetting machines and Sewage Pumping machines are managed thru the portal as well. It includes historical maintenance reports and important to keep a complete database of when and where the machinery was serviced.



Vehicle Maintenance Form



Maintenance Alerts

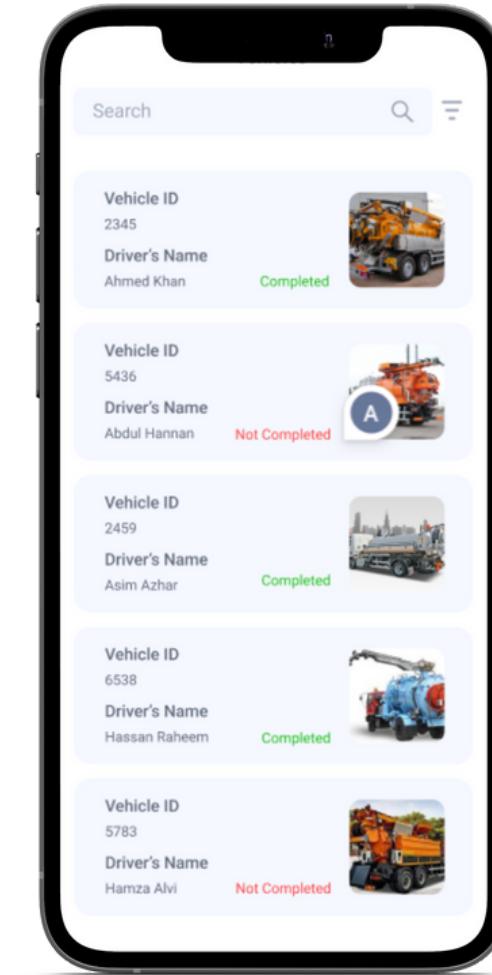
Inspection Team Field Service App

Inspection Points Checklist

The inspection team would be given predefined checkpoints to look into before marking the vehicle okay,

Inspection Vehicle Listing

A comprehensive list of vehicles would be generated at the start of the day that needs to be inspected before going out on the field.



Driver's Field Service App

Order Listing

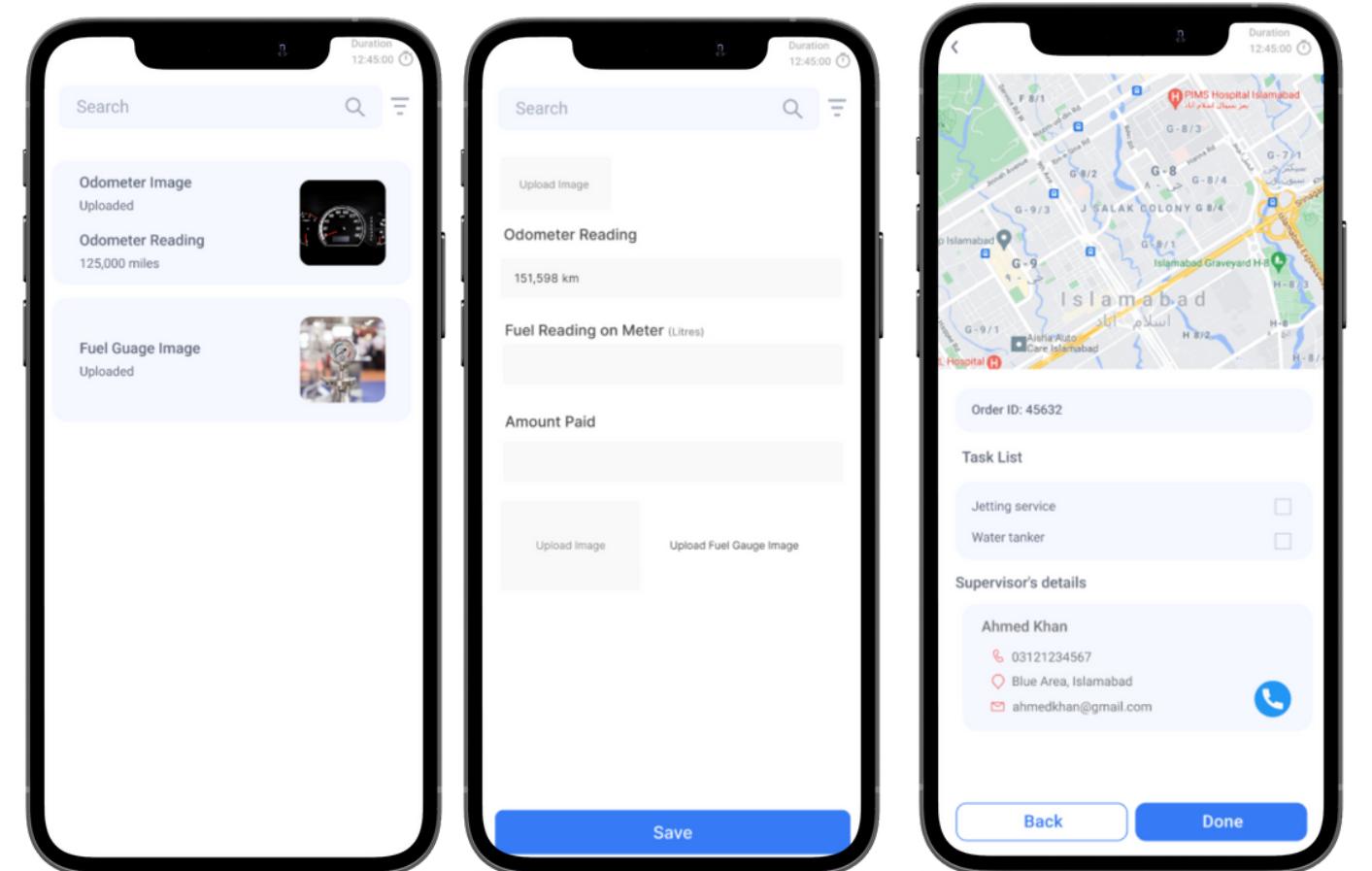
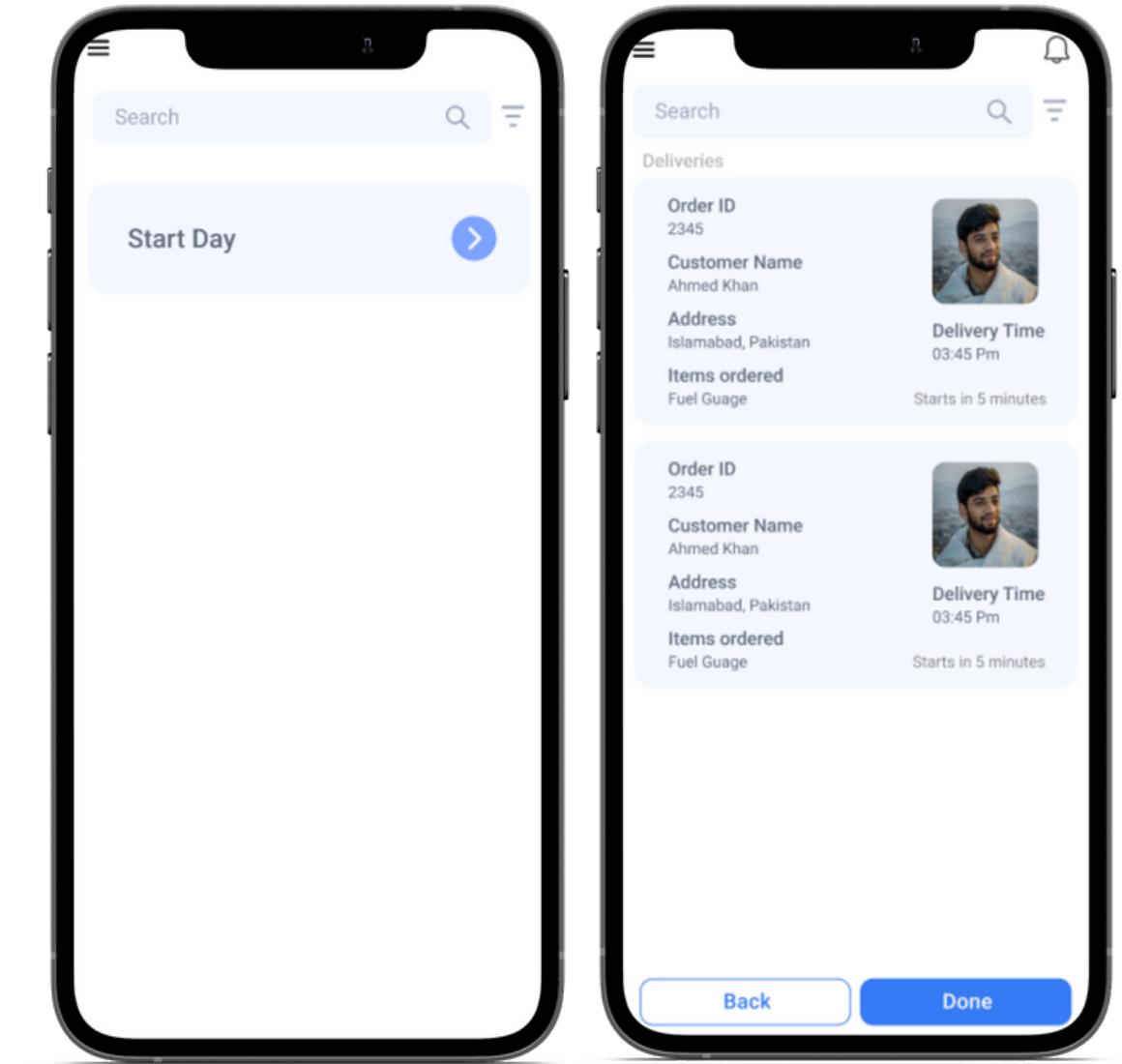
Driver has a complete list of orders to be taken care of for the day along with directions and contact details of a customer

Improved Transparency

The driver has to manually enter the odometer readings, and upload fuel receipts and fuel gauge images to improve fuel management, both at the start and end of the day.

Order Completion

Upon completion of all orders, the driver has to input odometer readings to calculate the distance traveled, fuel consumption, etc, to improve efficiency,



Supervisor's Team

Field Service App

Service Provision Section

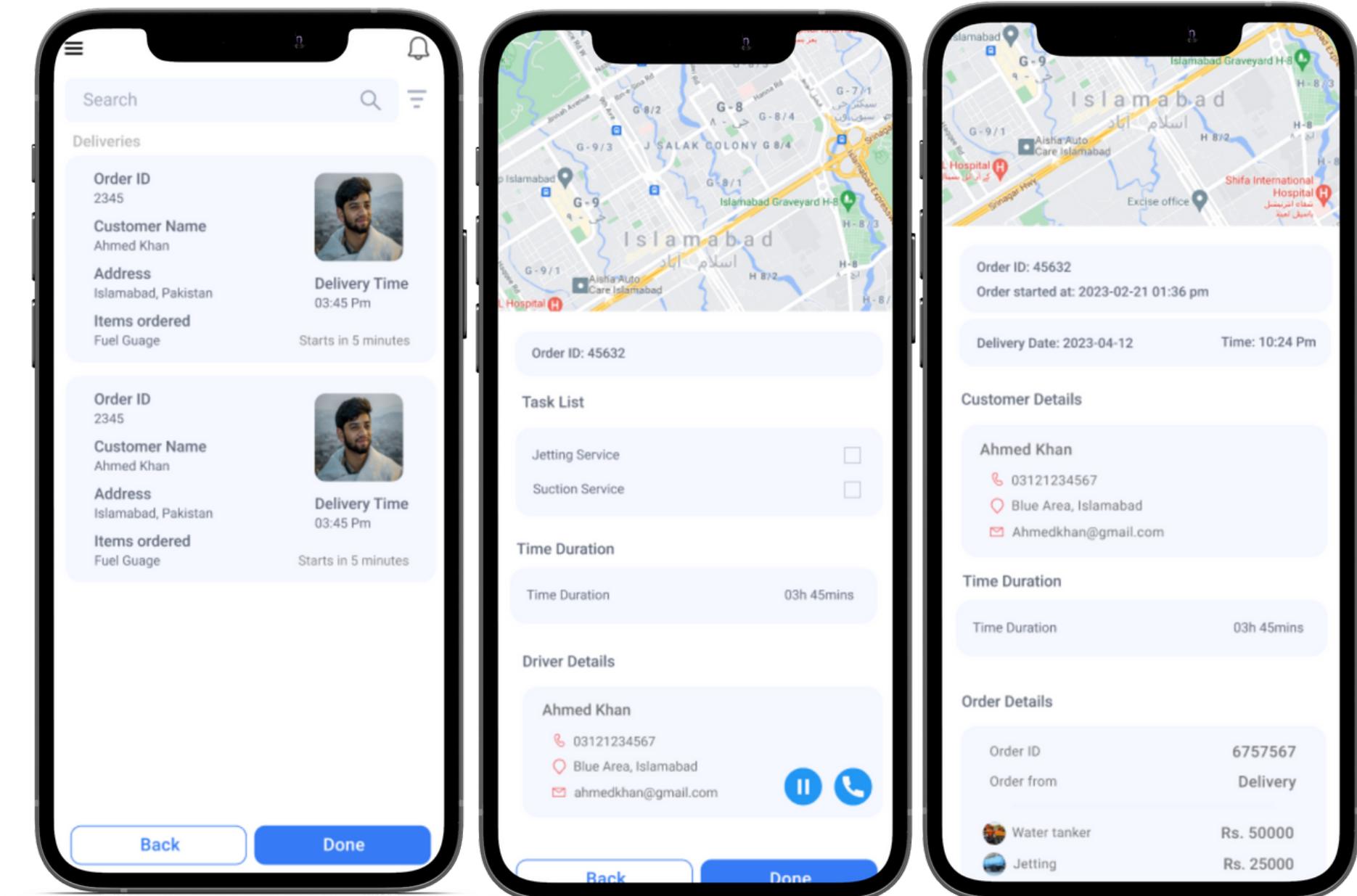
After the team reaches the location, they can now select the order to be delivered, the app will keep track of the status, time elapsed, and other information about the customer

Order Listing

The supervisor would be shown a list of orders for the day, along with detailed information of customers, order timings, services ordered etc.

Order Completion Section

Order can be completed digitally after collection of digital signs, images, and videos can be captured, the status of the order can be updated, notes can be taken and payment can be collected right from the app



AN INTEGRATED ECOSYSTEM

OPERATIONS & ASSET MANAGEMENT

- Inventory Management
- Order Management
- Equipment Management
- HR Management
- Field Service Management

PROCUREMENT SOFTWARE

- Supplier Portal
- Purchase Receipts and Invoices
- Supplier Scorecard
- Barcode Scanning
- Purchase Order
- Unlimited Warehouses
- Stock Entry

MARKETING & SALES

- CRM
- Omni Channel
- Chatbot Builder
- Web-App/Customer App

FINANCE

- Track Income and Expenses
- Connect your Bank via NIFT
- Insights and Reports
- Manage Employees
- Retail Operations
- Billings

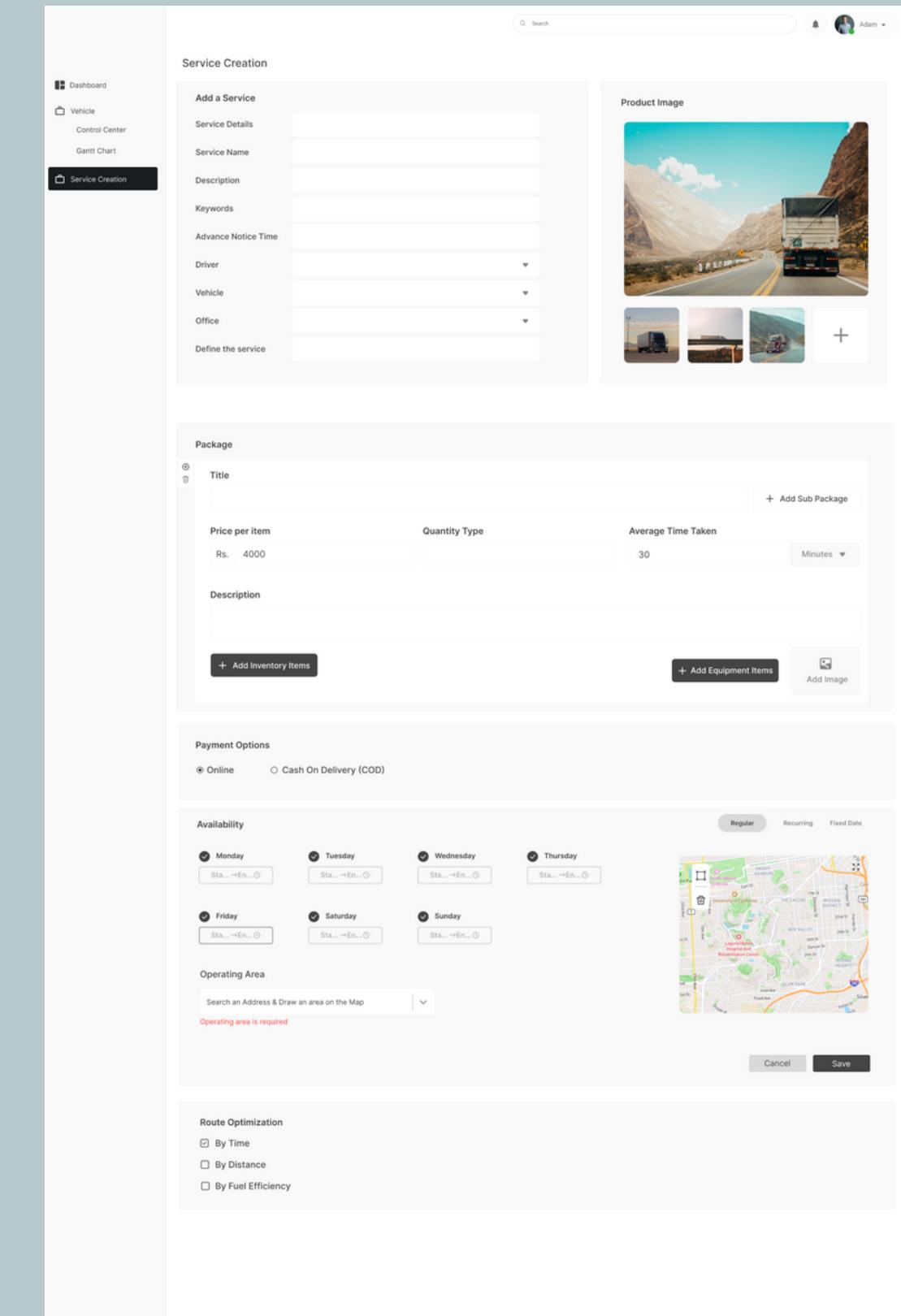
DATA ANALYTICS AND AI

- Data Governance
- Data Sourcing
- Data Lake
- Data Orchestration

Service Creation and Web-App

Digitize your business and increase your revenues.

- Create a customizable storefront that can be accessed via the customer's laptop or mobile, this would ensure a smooth and hassle-free ordering experience.
- Digital experience can be optimized immensely as customers would be able to view all your services without having to wait on the calling line.
- Webapp link can be used on multiple platforms, including social media platforms, text messages, etc.
- Using webapp would increase organic sales due to improved transparency.



Easy to use form to create your services

AI / ML Analytics and Forecasting

AI / ML Analytics and Forcasting

Elevating Fleet Management Through Data-Driven Insights

ML-driven Human Performance Analysis

We will be utilizing Machine Learning to assess driver behavior and fatigue patterns, enabling proactive interventions for improved safety and performance.

Fuel Consumption Forecasting

We will implement predictive analytics to estimate fuel consumption based on historical data and driving patterns, optimizing route planning and cost efficiency.

Route Optimization with Traffic Prediction

Leverage data-driven predictions of traffic conditions to optimize routes in real time, minimizing delays and enhancing delivery timelines.

Driver Behavior Profiling

AI algorithms will be used to analyze driving behavior, offering insights into aggressive driving, speeding, and other patterns for targeted training

Real-time Analytics Dashboards:

Visual analytics dashboards will be provided to offer a real-time overview of key performance indicators, enabling quick decision-making

Maintenance Predictions:

AI models will be used to predict vehicle maintenance needs, reducing downtime by scheduling repairs before issues escalate.