



# Force iPULSE: Pioneering Intelligent Mobility for the Future





Experience a New Generation of Vehicles—

Smarter, More Efficient, and Always One Step Ahead with Predictive Intelligence

Top 5 Features Of Force iPULSE

Fleet Tracking and Trip Management Fuel Efficiency Monitoring & Insights Predictive Maintenance

Driver Behaviour Analysis Smart Alerts & Analytics



## Fleet Tracking And Trip Management



#### **Automated Reports**

Generate daily and hub-to-hub reports summarizing fuel usage, distance traveled, and engine run hours—along with timely service reminders to keep vehicles maintained and on schedule.



#### **Location Tracking & Geofencing**

Track vehicle movement in real time, analyze usage trends, set up geofences for better route control, and locate nearby Force service centers for timely support.

## **Fuel Efficiency Monitoring And Insights**



#### **Fuel Efficiency Tracking**

Our models can accurately track fuel economy by monitoring fuel injection, distance traveled, and engine hours.

## **Driver Behaviour Analysis**



Track critical driving behaviour exceptions such as hard braking, harsh acceleration, freerunning, idling, overspeeding, and continuous driving, along with gear utilization. Access driver scorecards with peer-to-peer rankings to identify improvement areas and enhance overall driveability.



### **Predictive Maintenance**



#### Diesel Particulate Filter (DPF) Monitoring

Track DPF health and receive alerts for clogging. Get guidance on regeneration to maintain fuel efficiency and avoid performance issues.



#### **Battery & Charging Systems Monitoring**

Our ML models interpret abnormal fluctuations in voltage readings at varying engine speeds. They can anticipate a malfunctioning alternator or a battery that is running down.



#### Diesel Exhaust Fluid (DEF) Monitoring

Monitor DEF levels and receive alerts for inefficient usage to ensure optimal engine performance and emissions compliance.



#### **Engine Temperature Analytics**

We record and raise alerts for overheating by leveraging AI, which can interpret the contrast between engine temperatures at varying engine loads. Our solutions can anticipate usability symptoms and a loss of power response, along with check engine light activation.



## **Smart Alerts and Analytics**



#### Diagnostic Trouble Codes (DTC)

"Our system identifies issues across key vehicle components and provides clear insights into causes,symptoms, and recommended fixes - enabling faster, remote diagnostics through a centralised control tower that ensures real -time monitoring and decision-making."



#### Air Intake Diagnostics

Continuously assess air intake levels across engine loads to detect issues like clogged air filters or reduced airflow, ensuring optimal combustion and engine performance.



## Discover the Intelligence Driving Tomorrow's Journeys



5 to 10% Savings on Fuel Cost



5 to 10% Savings on **Maintenance Cost** 





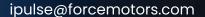


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