ForeFleet™ INTEGRATED FUEL AND FLEET MANAGEMENT

Where fleet management meets fuel control

Orpak’s ForeFleet provides fleet managers a powerful set of tools to efficiently run their fleets and control operations. ForeFleet uniquely combines Orpak’s powerful fleet telematics and fuel management solutions. Focused on fuel economy, ForeFleet helps fleet managers maximize efficiency.

Innovative Fuel and Fleet Management

ForeFleet is a field proven system already implemented in thousands of fleets worldwide, utilizing Orpak’s extensive fleet capabilities. ForeFleet includes and supports telematics, site automation, and vehicle identification solutions.

End-to-end Fleet Management
Orpak’s solution combines state of the art telematics with superior fuel fleet management capabilities and complete control of fueling.

Cost Efficient Solution
ForeFleet provides comprehensive analysis and management of all operations, whether fleets operate their own home-base stations or fuel at retail sites.

Oversee Driver Behavior
Orpak’s solution identifies drivers and vehicles associated with high fuel consumption, misuse, idle times, and inefficient performance patterns.

Fleet Maintenance and Scheduling
ForeFleet provides real-time notifications on scheduled maintenance, license or insurance renewal, and more.
SOLUTION DESCRIPTION

ForeFleet merges fleet telematics and fuel management in an integrated system, offering:
- Fleet tracking and routing with fuel optimization
- Fuel management and control
- Fleet maintenance and diagnostics
- Asset management and scheduling
- Driver behavior and safety
- Fleet analytics & alerts

40% of all fleet expenses derive from fuel costs, making it the most significant component in a fleet’s cost structure. ForeFleet allows fleets to improve efficiency and reduce fuel expenses, whether they operate their own commercial stations or fuel at retail sites. ForeFleet combines fueling transaction records with real-time vehicle location data into a single management system, resulting in significant savings and optimal performance.

Telematics
ForeFleet enables fleet managers to monitor vehicle location and receive real-time or off line reports. Using the advanced DPL vehicle unit, it combines data from the vehicle’s on-board computer, GPS, and a built-in G-force sensor to provide:
- Exact location on an active map and route history
- Safety events and diagnostics
- Route planning, monitoring, and geo-fencing

Fuel Management
ForeFleet provides fuel consumption data per vehicle, and ensures:
- Rule-based fueling restrictions
- Comparison of transactions with actual consumption and location
- Driver behavior (extreme acceleration, braking, idling)

Fleet Maintenance & Diagnostics
ForeFleet collects diagnostics data using on-board computer (OBD-II) connectivity, providing:
- Diagnostic error codes and descriptions
- Mileage and engine hours
- Fuel consumption and fuel tank levels

Fleet managers can set fueling restrictions to gain true control of fuel expenses and vehicle usage. This can pinpoint drivers and vehicles associated with high fuel consumption or misuse. The system also identifies inefficient idle time and poor driver behavior patterns, and includes notifications to perform scheduled maintenance for optimal vehicle performance.

With ForeFleet, retail fuel companies can provide value-added services to their fleet customers and increase their loyalty, while commercial fleets can add ForeFleet’s powerful fuel economy management and strong analysis tools. ForeFleet can be combined with ForeFuel AVI refueling and ForeHB homebase fuel site management.

Asset Management & Scheduling
ForeFleet stores all vehicle information, including:
- Vehicle identification data, expenses and log books
- Renewal dates of insurance, permits and inspections
- Routine maintenance, tire inspection, oil change, parts replacements, which can all be scheduled based on date or mileage

Driver Behavior & Safety
The system provides driver-related information:
- Orpak’s “Safety Stars” algorithm rates drivers and identifies driving patterns
- Excessive speeding, acceleration, and engine revving
- Non-compliant and prolonged driving hours
- Geo-fencing and deviation from defined routes

Fleet Analytics & Alerts
Reports are based on real-time as well as previous data, and can reflect any aspect of fleet operations such as driving distances, engine hours, idle times’ duration, safety, personal usage, vehicle diagnostics, and much more.
**SOLUTION COMPONENTS**

**ForeFleet Management Portal**

The ForeFleet Management Portal allows fleet managers to monitor and manage all fleet parameters through a customizable dashboard with powerful reporting capabilities.

The portal enables an advanced yet intuitive analysis of vehicle fuel consumption, driver behavior, fueling locations, and travel routes to detect misuse and reduce costs. In addition, fleet managers can predefine fueling restrictions. The portal also includes a comprehensive asset management and maintenance scheduling module, making it a perfect all-in-one fleet management solution.

**Features**

- Real-time tracking displayed on user-defined maps, with route planning and geo-fencing
- Advanced fuel optimization based on transactions, consumption analysis, idle/stop time, excessive speeding/RPM, harsh acceleration and breaking, engine status and route efficiency
- Critical real-time vehicle diagnostics including error codes, accurate mileage and engine hour reports, CO2 emission details and more
- Built-in fleet management module for vehicle-related information: expenses, maintenance, log book, history and scheduled tasks
- Unique "Safety Stars" driver rating algorithm that analyzes driver performance and identifies inefficient driving patterns
- Virtual vehicle dashboard with real-time location and diagnostics
- Fraud detection highlighting a mismatch between transactions and actual consumption or sudden fuel level drop alerts
- Flexible alert notification by email or SMS
- One click access via smartphone, tablet or PC

**DPL GPS Tracking device**

The DPL is a simple-to-install tracking device that captures on-board data, and has a built-in GPS receiver to accurately monitor a vehicle’s location with both online / offline connectivity options. DPL units have been successfully installed in tens of thousands of vehicles worldwide.

**Features**

- Connects directly to the vehicle’s on-board computer, with no need to connect to vehicle’s switch
- Built-in high-accuracy GPS receiver and internal antenna
- GSM/GPRS quad-band modem with data compression to reduce cellular data consumption
- Offline option with WiFi modem
- Captures OBD data, supporting common vehicle bus types:
  - J1708/J1587
  - J1939/FMS
  - OBD-II CAN-Bus
- 3D accelerometer and G-force sensor
- Internal storage for 30 days of data logging
- Interfaces with data log external accessories and temperature sensor
- Remote programming capabilities, and alerts
- Driver ID via keypad or MIFARE®, including immobilization
- Low power consumption with built-in backup battery
ABOUT ORPAK

Orpak delivers comprehensive solutions to oil companies and commercial fleets, improving profitability and optimizing performance from the forecourt to the head office. Our hardware, software, and services enhance the entire retail fuel network and fleet management value chains, be it the single fuel transaction, retail network optimization or business analytics. Orpak has a 25-year track record of success and innovation. Known for rapid deployment of large end-to-end projects, our field-proven products are installed in more than 30,000 service stations and 6 million vehicles across 60 countries. Orpak solutions are distributed via an international network of subsidiaries and value-added partners.