

*Progressing towards a whole new level of efficiency in Fleet Management for
the Logistics industry by leveraging next-generation technology.*



Connected Intelligence Software for
Fleet Management - Logistics



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Abstract

The rising complexities of the global Logistics and Supply Chain industry continue to plague even the most nuanced business corporations. And, with the global economy and international trade counting on logistics to facilitate growth, the need for executing operations within a controlled, high-quality and reliable environment has never been this paramount.

Starting from the changing customer behaviour owing to the advent of eCommerce, to the growing urbanisation in different developing sectors of the world, the logistics providers are faced with an enormous challenge of addressing customer expectations and integrating the different modes of transportation available today on a unified platform, all by adhering to the international standards of trade.

With growing concerns of high-level emission of hazardous materials, including greenhouse gases originating from the transport industry, logistics providers are under an immense pressure of reducing their carbon footprint.

Additionally, logistics service providers constantly face crucial pain points, ranging from increasing fuel expenditure and operational costs, ensuring optimal use of their fleet and drivers, compliance to stringent international regulations, establishing operational visibility across multiple geographical locations, to the overall safety and maintenance of vehicle and assets.

The advancement in technological innovation has been a distinct game changer in the Logistics landscape. Fleet management software aims at providing fleet operators with an advantage of leveraging advanced and automated tools to tackle everyday scenarios faced within the ever-changing nature of the business. By employing the emerging technologies of today, businesses, both large and small, can meet the modern-day demands and conquer the problems arising in the Logistics and Supply chain market.



Transforming the transportation industry with innovation to improve fleet productivity and bottom-line results.

Integrated Fleet Management Platform

Earlier, fleet managers battled increasing expenditure, inefficiency in operations and the arduous task of manually controlling daily fleet activities by depending upon unorganised methods to record crucial data. However, with the advancement in technology, today's fleet management solutions have armed business managers with powerful tools that wholly encapsulate the extensive processes governing the logistics business.

The fleet management software provides a simplistic approach for fleet tracking, manual and automatic dispatching and robust monitoring. With an all-in-one platform, fleet managers can assign jobs to a particular truck and its driver, monitor their progress and receive confirmation once the job has been completed.

The success of a logistic provider lies in its capability to fulfil the service commitments on time and ensuring the adherence to the quality standards throughout the process channel. With the help of an automated solution, fleet managers can now eliminate disorderliness and

inaccuracies, thereby ensuring customer satisfaction.

AVL or Automated Vehicle Tracking System has given fleet managers the much-needed control they seek for monitoring real-time vehicle movements, keeping unauthorised activities in check and ensuring the safety of its valuable fleet and corresponding assets.

A fleet management system allows business managers to make vital strategies regarding cost management, workforce management and vehicle management with an array of reporting and analytical tools. With such accurate, real-time information at hand, fleet managers are in a better position to make successful data-driven decisions.

By digitising the logistics business, fleet owners can operate on a global scale by effortlessly managing the enormous amount of data spread across various stages and utilising such decisive information to exponentially grow their business to the next level.

CerebroX Application Modules

Administrator

The master control of all logistics operations lies with the administrator. The CerebroX web-based admin panel facilitates with a comprehensive outlook on the overall activities of the business. The admin can assume responsibilities for the entire business process. Below are the modules illustrated in the admin panel.

- **Tracking**

The basic necessity for fleet managers/owners is to know how their fleets are employed, the current activity of their vehicle, the number of vehicles currently operating, the number of vehicles pushed aside for maintenance and much more.

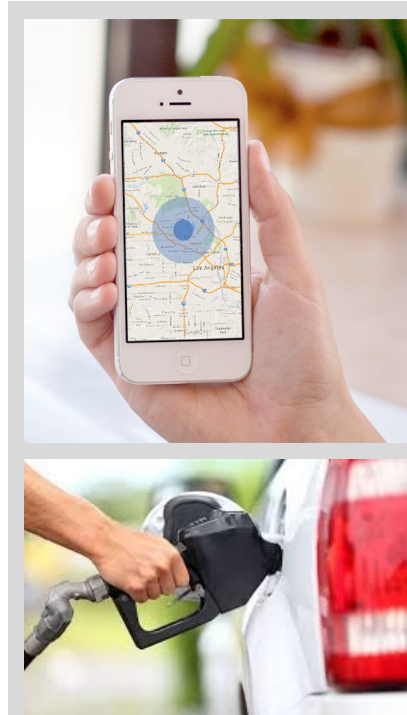
The tracking module highlights this crucial information through a streamlined overview, letting the admin know everything that occurs in real-time.

- **Dispatch**

While the dispatchers are responsible for assigning jobs to the fleet and drivers on a daily basis, the master admin has the ability to import bulk jobs and manually assign them to the team. The admin can finalise the waypoints available within the route and edit in-progress jobs to accommodate any change requests in real-time.

- **Smart Driver & Smart Fleet**

The Smart driver is a powerful analytical tool that illustrates the top performing



The Intelligent Fleet management platform accelerates the logistics operations by providing a bird's eye view of all the business activities, leaving no room for inaccuracies.

drivers based on their driving behaviour and the number of jobs completed.

The chart-wise illustration depicts the individual driver behaviour for a specific time period based on key metrics, including excessive speeding, harsh acceleration, braking and cornering.

The Smart fleet illustrates the fleet utilisation based on the distance travelled and the number of jobs undertaken by the vehicle.

- **Fleet, workforce & customer management**

From adding a new fleet, driver, dispatcher for a particular geographical region to a new customer, the admin can manage their workforce and fleet easily.

- **Analytical reports**

The web-based admin panel empowers owners with analytical tools that provide a comprehensive view of fuel expenditure, optimal fleet size, driver HOS, job-based information and driving violations.

- **Communication**

The admin can communicate with the drivers and dispatchers through private messaging.

- **Settings**

The admin has the master control of assigning roles and determining metrics for driving behaviour, fleet utilisation and more.

CerebroX Mobile Application Modules

Driver Application

The Driver application is equipped with advanced features that allow drivers to manage their daily assignments and rely on the GPS feature for receiving turn-by-turn navigation.

Upon logging into the application, the driver can set the status as on duty and accept assigned jobs to start their daily activities.

The driver can switch on the navigation feature to cover maximum locations through the fastest route to deliver on-time service.

With instant notifications for assigned jobs and safe driving violations, the

drivers can improve response time, productivity and individual performance.

Drivers can also review reports based on their driving behaviour that highlights driving patterns including harsh braking, acceleration, cornering and excessive speeding.

With HOS, drivers can monitor their on-duty, off-duty and break hours.

Through the app, the drivers can report an emergency situation, whether it is vehicle breakdown or road accidents.

They can also communicate with the dispatcher through private messaging.



Dispatcher Application

The cerebroX Dispatcher Application is first-of-its-kind that empowers dispatchers to handle assignments from anywhere, and at any time. The Dispatcher Application is compatible with all mobile and tablet devices.

Designed to manage the business' mobile workforce across multiple geographical locations, the dispatcher application is equipped with advanced features that simplify the way the business handles dispatching, tracking and management. The Dispatcher application built on an intuitive user interface design offers a comprehensive view of the real-time location of the vehicles assigned under the dispatcher's control.

- Quick dispatching functionality with advanced features equipped to handle bulk jobs.
- Refined filter and search capabilities to monitor the current location, details regarding the jobs assigned to the particular vehicle, vehicle activity, driving behaviour and more.
- Job-based search capabilities to monitor the status of in-progress assignments and review information related to completed jobs.
- Receive real-time notification for driver acceptance, job-related updates, driver behaviour, route deviation and more.
- Advanced reports regarding fleet utilisation, driver behaviour and more.

Features of The Fleet Management System



- Single and multiple job dispatch with fleet and driver assignment
- GPS live tracking
- Intelligent route planning and guidance
- Fuel Analytics
- Driver ranking and performance monitoring
- Geofencing
- Real-time alerts
- Compliance regulation
- Fleet maintenance
- Relay Network
- Advanced reports
- One-on-one communication
- Heatmaps
- DVIR and HOS

Benefits of The Fleet Management System



Cost Management

By keeping an eye on the daily expenditure, including fuel costs, labour wages and operational costs through robust analytics, fleet managers can work towards bringing down their expenses and improving their profit margin



Utilise your fleet optimally

Quite often, business operators own a large fleet of trucks, but fail to utilise them wholly. By relying on the connected intelligence fleet management system, fleet managers can ensure maximum vehicle utilisation and determine the right fleet size.



Better customer service

With efficient route planning and turn-by-turn navigation, your drivers can reach destinations on time and provide quality services, thereby enhancing your business standards.



Monitor driver behaviour

The fleet management solution allows fleet managers to monitor their driver behaviour, allowing them to control aggressive driving behaviour. This ensures the safety of both the driver and the fleet, saving you exorbitant accident expenses.



Paperless operations

In this era of globalisation, logistics businesses are spread across multiple geographical locations. Fleet management system allows businesses to go paperless for managing a large amount of information that is generated across the different business processes.



Reduce fleet wear & tear

Inefficient maintenance schedules and aggressive driving can seriously reduce the engine performance and increase vehicle wear and tear. The fleet management system can constantly monitor engine health and schedule regular maintenance to avoid vehicle downtime.



Theft protection

The advanced GPS tracking system sends alerts to fleet managers every time the vehicle is in operation. This reduces unauthorised vehicle usage and also prevents fleet and asset theft. Also, the tracking system can play a crucial role in tracking lost package, vehicle and assets.



Improve productivity

When it comes to the logistics business, time is money. With fleet management, dispatchers can schedule assignments quickly and expedite the process. When drivers are able to complete their daily assignments within the stipulated time, fleet managers can explore opportunities to improve productivity.

Our Products

Intelligent Fleet Management

NDOT Technologies is a product-based company developing applications to disrupt the Logistics and Transportation sector. With over 10+ years of industry experience, 1000+ customers and a 25D million turnover, we leverage our expertise in the technological advancements that have created ripples in the market to design software that addresses the major challenges faced by the industry.

CerebroX is the result of our thirst for innovation. Fuelled by the desire to solve real-life business challenges in the Logistics, Transportation and Supply Chain management landscape. CerebroX harnesses the emerging technologies of today to build a connected intelligence platform that is designed for automated tracking, dispatching and management process.

Why Choose us?

CerebroX is a comprehensive suite of advanced modules and tools that are targeted at simplifying complex processes involved in daily fleet operations. With our fleet management system, business managers can amalgamate tracking, dispatching, management and reporting responsibilities to communicate and collaborate better across multiple channels and geographical destinations.



Highlights


1. First of its kind to employ Artificial Intelligence, Big Data and Internet of Things in Fleet Management.
2. Monitor aggressive driving behaviour to maintain safe driving standards.
3. Route optimisation for smarter, faster and safer routes.
4. Digital HOS, DVIR and Compliances
5. Advanced fuel analytics to reduce fuel wastage and fuel expenditure.
6. Scheduled fleet maintenance to improve vehicle longevity.
7. Constant monitoring of daily operations for improving fleet utilisation.

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