

# Fleet Management Solution

Streamlining Transportation and Logistics Operations

## PROJECT OVERVIEW

The customizable fleet management solution helps improve safety and performance, enabling fleet owners to negotiate better contracts with clients and insurance carriers.

The solution automates processes for vehicle inspections, repairs, accident investigations, document management, and electronic logs. Drivers, mechanics, and fleet owners receive alerts with access to real-time data.

## CLIENT PROFILE

Our client is a US-based technology startup serving the transportation industry with safety and compliance solutions. They offer cloud-based solutions that help fleet operators decrease downtime and improve performance.

## BUSINESS REQUIREMENT

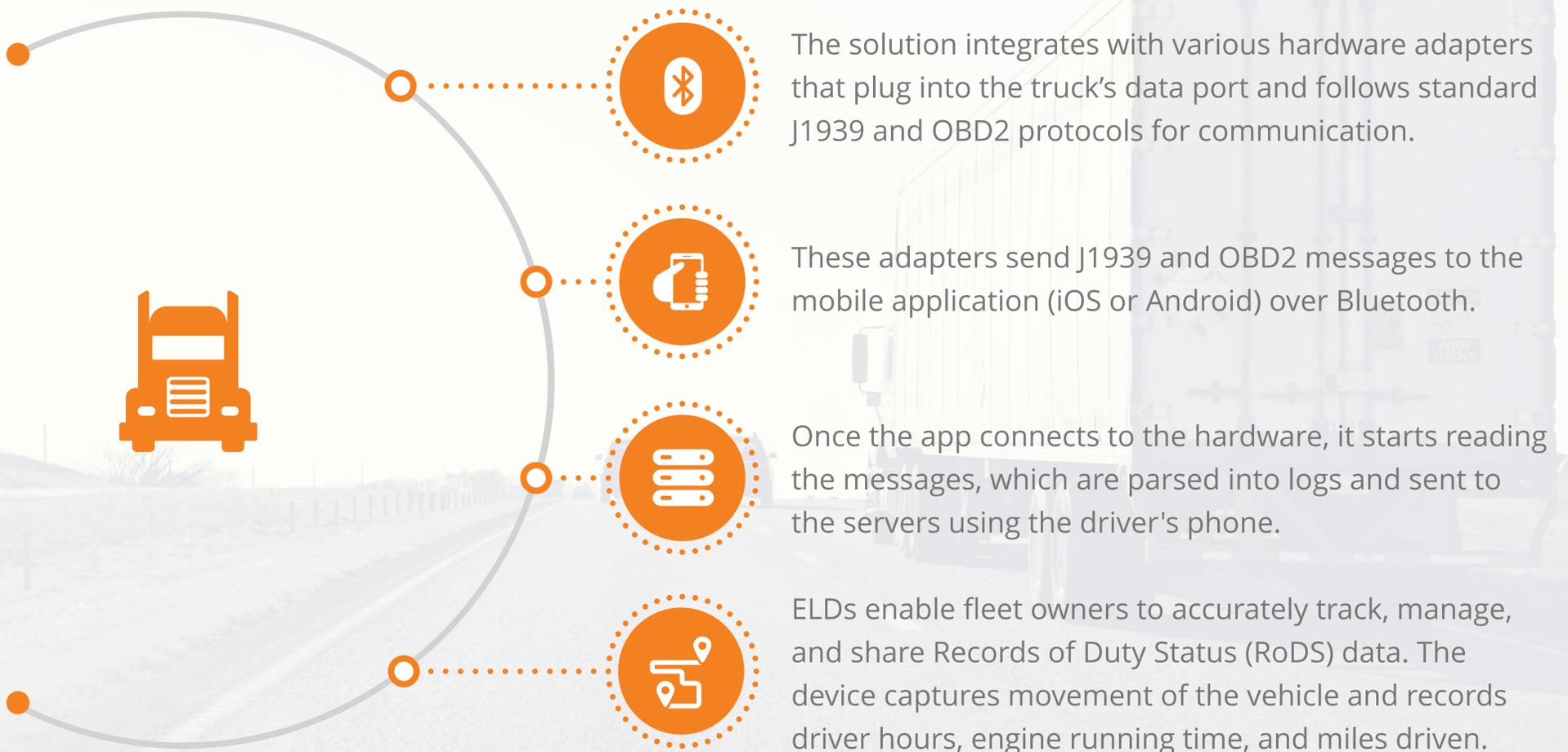
The client required a platform that helps fleet operators comply with guidelines stipulated by the U.S. Department of Transportation. This would entail digitization of processes such as recording service hours, mileage reporting, and document management, leading to significant improvements in fleet tracking.

## OUR SOLUTION

The solution comprises mobile and web applications to track the geographical position of commercial vehicles. The platform digitally stores documents for regulatory and compliance purposes. The solution helps fleet owners to electronically track hours of service and automate processes required for roadside inspections.

The completely customizable and quick-to-deploy fleet management solution simplifies accident investigations, claims management, DOT audit preparation, and Electronic Logging Device (ELD) documentation. The solution integrates eDVIRs (Electronic Driver Vehicle Inspection Reports) with the mechanic repair process.

## HOW IT WORKS



## KEY FEATURES

- ❖ Electronic logging with automatic status change
- ❖ Work order creation for mechanics based on inspection reports
- ❖ Alerts for malfunctions or violations
- ❖ One touch logbooks for checks and inspections
- ❖ GPS-enabled route optimization and fleet tracking
- ❖ Fuel consumption and vehicle maintenance tracking
- ❖ Accident scene management through real-time reporting and investigation

## TECHNOLOGIES

- ❖ Java 8
- ❖ Spring, Spring Data, Spring MVC, Spring Security
- ❖ Hibernate
- ❖ MySQL
- ❖ MongoDB
- ❖ Stripe
- ❖ JasperReports
- ❖ Google Maps
- ❖ Bluetooth Stack - BT classic and BLE
- ❖ Android SDK
- ❖ Objective-C



## BUSINESS BENEFITS

- ❖ Enhanced safety and compliance processes led to 6% reduction in insurance premiums
- ❖ Enhanced tracking capability ensured 'on time service'
- ❖ Efficient route planning led to 13% reduction in fuel consumption
- ❖ 15% reduction in total claims as a result of fraud prevention
- ❖ Reduced documentation with digitized logging



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