

Case Study

FLEET MANAGEMENT – ROADSIDE ASSISTANCE
(ANDROID, iOS)



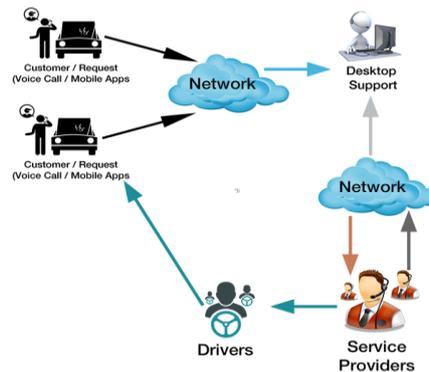
BUSINESS REQUIREMENTS



OUR SOLUTIONS

The client is a leading service provider of Roadside assistance with Fleet Management Services delivering custom-built fleet management programs tailored for fleets of any size and budget. A comprehensive Fleet Management System allows companies to control the risks associated with vehicle investment, maximize productivity and reduce the total cost of their customers operations.

ROADSIDE ASSISTANCE



In an event of mechanical or electrical breakdown no one likes to be stranded on the side of the road. With system providing centralized view on the vehicle fleet our Roadside Assistance program provides hassle free emergency roadside assistance service in quick turnaround time. This service assurance provides customers worry-free driving. Some of the steps taken to further improve customer satisfaction.

- To identify shortest possible and optimal route to reach destination considering traffic and road conditions.
- To simulate with app with mock data with fake GPS
- Smart vehicle tracking
- Consistent user experience cross multiple Platforms— native mobile apps for multiple devices and operating systems
- Improve quality of real-time driver information

To track real-time driver location through mobile with regular job status update during in-route to disablement location and tow-to location. Intuitively alerts drivers on elapsed time, speed, and violation and provide the most optimal route to reach the disablement location.

- The mobile device will update its current location to the web service API. The API stores lat. long in a mobile DB. The data is pushed into cloud DB with unique mobile id in a specified time interval. The data is flushed from mobile DB once transferred to Cloud DB.
- The captured lat. long will show the present location of driver and series of data recorded will show the path of vehicle movement in Google map.

Case Study

FLEET MANAGEMENT – ROADSIDE ASSISTANCE
(ANDROID, iOS)

- Alerts are triggered when the vehicle reaches particular location of incident and warnings are triggered in case of idle time. The recorded data is fed into fake GPS to simulate the trip.

Industry	Roadside Assistance
End users	20,000
Team size	8 people
Duration	12 months



Android, Android Studio, Objective-C, Xcode, RESTful Service, REALM DB and SQL Lite



- Better Planning and Fleet vehicle management
- Real-time vehicle update and Notification replace manual process.
- ETA Optimization
- Measure Performance of drivers and their behavior pattern
- Record Data for future Analysis for improved business efficiency and increase productivity.
- Anytime data retrieval from Cloud