Native Android Enterprise Logistics Mobile Application

PROJECT OVERVIEW

A leading multi brand Brazilian retailer, operating over a dozen of department stores spread across Brazil that sell everything from appliances and electronics to furniture and telephony equipment.

Challenges were associated with route planning & consolidation of delivery shipments from ware-house to customer locations. Beyond this, company wanted to track the field work force on their task assignment and update without making them report to office on day to day basis.

CHALLENGES

To be able to sustain growth and profitability, retailers must continuously monitor logistics operations regardless of location and time. Hence, our client believed that there was a need for analyzing in-depth vital supply chain and logistics functionalities available on mobile devices which will enhance the visibility and control over delivery operations on the following:

- Tracking employees who are on their way to delivery.

- To make more deliveries faster with optimizing drivers travelling miles.

- Lack of information & gap in communication on the delivery of goods at customer location.

- Tracking the delivery from warehouse to client destination.

- To make the Mobile App intuitive for easy handling by delivery executives.

About Incresol

Established in 2011, Incresol Inc is a leading service provider of outsourced software development firm in the arena of SAP, Enterprise ecommerce, Mobility and Application Development services. With our headquarters located in Charlotte, North Carolina and the global development facility in Hyderabad, India, we offer both onsite and offsite/offshore project delivery models.

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MITIGATION

Incresol helped in designing and developing a seamless & interactive proprietary native android mobile app that helped company to track the delivery of shipment from ware house to customer location. The target devices were Android Mobile & Tablet . Below the following solutions was comprised in the application:

- Rich UI & ease of operation helped the delivery executives to use efficiently which resulted in better planning & optimization of man hours.

- Embedded the Waze Map & GEO Locator which helped in improvising the route plan for fuel consumption and faster delivery.

- This Mobile App facilitates the loading of the predefined number of tasks to the remote employees.

- Employees were able to update with their tasks which minimize the daily status update over the phone with their immediate supervisor.

- SMS facility provided to facilitate the updates when there is no internet connectivity.

TECHNOLOGIES SUPPORTED

Eclipse, SQLite Database, Android SDK, Android Developer Tools, SOAP UI, SOAP WEB Services.

RESULT

The app was developed in Portuguese language as our client is based out of South America.   By the development of this mobile app, below following were the outcomes:

- Real-time visibility into the entire delivery process from the warehouse to the customer location.

- Seamless work updates, ON THE GO by employees on the field.

- Increase in customer satisfaction due to timely delivery and efficient route planning for faster delivery.

- Helped in better planning of stock management to identify the right vehicle for the shipment.