



LAST MILE DELIVERY



DHI SIGMA

LAST MILE DELIVERY (OPTIMIZATION)

LAST MILE DELIVERY (LMD)

Last mile delivery (LMD), which is in effect the movement of goods from warehouses to the destination is an important aspect of supply chain management.



LMD business activity is often a costly exercise for distributors with challenges such as:

- ✓ Route planning of vehicles and scheduling processes
- ✓ Manage workforce and vehicles
- ✓ Manage time window and traffic condition
- ✓ Fuel & vehicle maintenance cost
- ✓ Staff shortage and retention
- ✓ Payment collection
- ✓ Pilferage
- ✓ Maintain quality of customer service



Optimization of LMD activities are critical to manage the business efficiently. DhiSigma's supply route optimization software helps the logistics managers to manage the activities by automating.



- ✓ Route selection and scheduling processes
- ✓ To Achieve delivery targets within the time windows.
- ✓ Generate delivery sequences
- ✓ Trip planning
- ✓ Tracking real time progress of delivery activities
- ✓ Performance analysis
- ✓ Easy to train new recruits
- ✓ Optimize resource utilization.
- ✓ Reduction in workload/paper work
- ✓ Opportunity to expand the business
- ✓ Secured payment collection with OTP
- ✓ Dashboard to monitor the business activity.
- ✓ Reduction in pilferage

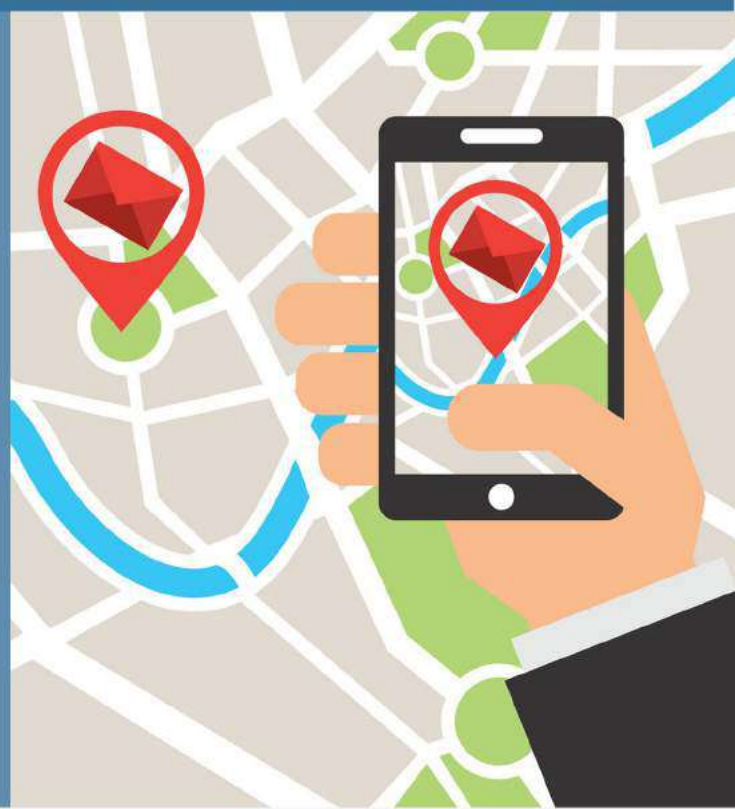


Our advanced map-based routing algorithms with mobile / web applications interfaces helps supply route optimisation, a faster delivery process in a cost-effective way.

A leading FMCG multinational company in India manages last mile delivery through a set of distributors spread across the country. Delivery activity with the coverage of about 1.3 million stores in this geographical area. Planning and execution of the logistics was primarily a manual process.

The client decided to automate the last mile delivery process to achieve the goals:

- ✔ Collect store geo-location.
- ✔ Automate scheduling process.
- ✔ Optimize delivery time and distance travelled.
- ✔ Optimize number of vehicles and delivery staff.
- ✔ Secured way to manage the payment collection.
- ✔ Real time tracking of delivery activity.



Using DhiSigma's supply route optimization solution, our client successfully achieved the above goals. Tracking real time progress of delivery activities and performance indication based on the real time data helped to manage the business in an efficient way. In numbers:



Major challenges were staff training, adjusting with the new technology tools, GPS data collection issues with defective mobile devices, availability of GPS satellites on the spot during geocoordinate collection process, etc.



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To learn more of DhiSigma’s supply
route optimization solution that
will bring assurance of operational
excellence in your organization”

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