



## Case Study

# Integrated Consignment Management Improves Vehicle Utilization for a Global Cement Manufacturer



## Client

The client is a global leader in manufacturing cement, aggregates, ready-mix concrete, and other building materials.



## Challenges

- ▶ Lack of a digital platform to monitor the truck fleet, leading to poor visibility of shipment deliveries, and delay in tracking and reporting accidents.
- ▶ Frequent instances of theft, because of drivers taking unsafe routes and overnight trips.
- ▶ Manual proof of delivery system, resulting in trip closure delays.



## LTIMindtree Solution

- ▶ Developed a uberized, scalable, and mobile-enabled vehicle monitoring system for real-time vehicle tracking.
- ▶ Portable plug and play GPS device to track live location and capture events such as sudden acceleration and braking, over speeding, tilt driving, etc.
- ▶ Enabled trip playback capability to introspect a specific trip, in case of reported theft or accident.
- ▶ Route mapping suggestions and real-time alerts in accident prone zones to ensure safety.
- ▶ Leveraged mosaic platform to generate trip analytics for fleet managers, providing safety ratings based on driving pattern analysis.
- ▶ Geofencing-powered alerts on shipment locations at each stage and e-proof of delivery messages to the warehouse and retailers.
- ▶ Seamless integration with SAP PI, enabling trip history and order delivery updates.
- ▶ Device governance mechanism to ensure the return of the tracking device post trip, with helpdesk support for drivers and fleet managers in case of emergencies.



## Business Benefits

Improved driver safety  
compliance and adherence.

**20%**  
improvement in fleet utilization.

CAPEX savings by not investing in  
expensive telematic devices.

**99%**  
fleet uptime.

Connected **6000+ vehicles**, with **18,000**  
alerts/messages delivered per day.

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