

**BUILDING MATERIALS MANUFACTURING • JOURNEY VISIBILITY •
EXCEPTION MANAGEMENT**

How Freight Tiger solved transit visibility problems and managed journey exceptions with machine learning

LIVE ●

GPS

200+ Telematics integrations

LIVE ●

FASTag

Toll plaza pings

LIVE ●

Driver Sim

Cell tower triangulation

LIVE ●

Driver App

In-App GPS via drivers phone

IMPACT

15%

Reduction in TAT for the customer

18%

Reduction in average stoppage hrs for avoidable stoppages

10%

Reduction in avoidable stoppage incidences

98%+

SLA adherence

OVERVIEW

The customer is a leading building materials manufacturer. Despite a booming construction market, competition is fierce, and profit margins are shrinking as businesses scramble to capture market share. Visibility into transportation becomes paramount to reduce cost, and on-time delivery to customers becomes the metric to measure the efficiency of the supply chain process.

KEY CHALLENGES

- ⚠️ Visibility of stoppage in supply chain.
- ⚠️ Delays affect customer deliveries.

SOLUTION

Freight Tiger built a machine learning based solution to tackle this challenge. This analytics engine ensured a smooth running of operations in a cost-effective manner and helped the customer make decisions based on real time data.

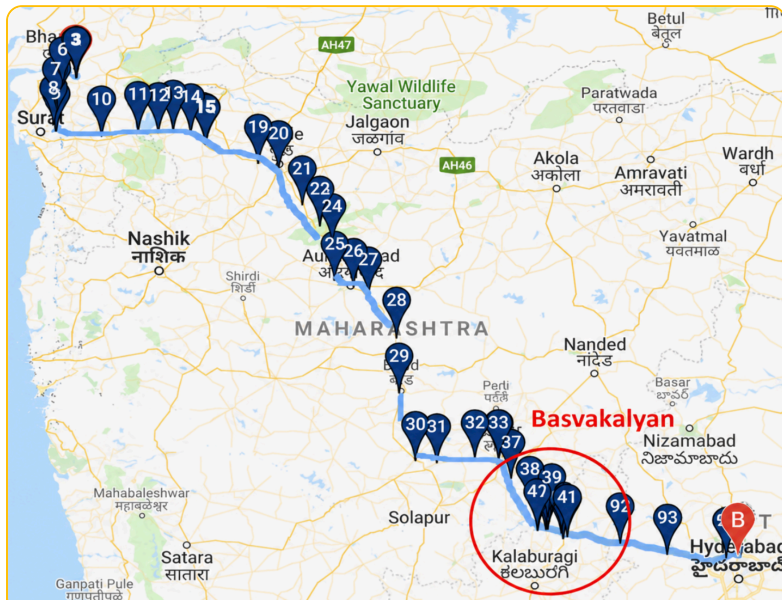
The stoppages were categorised as avoidable and unavoidable stoppages. Looking deeper into avoidable stoppages, 3 factors were found:

- Transporter related
- Route related
- Internal and external factors (such as: No entry, loading delay, Rest/food, driver change etc.)

FT was able to eliminate these factors and suggest dispatch times that had a lower transit time and the least standard deviation across all FT trips.

DEFINING DISPATCH TIME SLOT

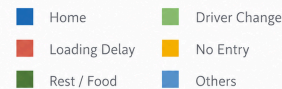
- Dispatch time or exit time from plant is calculated for each route based on low transit time and miniscule standard deviation
- Ensures trucks are not idle due to no-entry timings
- Adherence to dispatch time by plant team
- Ensuring adherence by transporters on exit timeslot
- Faster delivery to customers



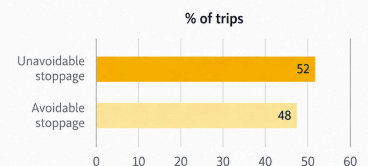
Live waypoint tracking across a multi-state route.

Stoppage Analysis

Classifying reasons of stoppages through FT Managed services [% of trips]



Avoidable and Unavoidable stoppages



Stoppage causes and avoidable-vs-unavoidable split.

BUSINESS IMPACT

- ✓ **15% reduction in TAT for the customer** gives customer-facing teams delivery commitments they can trust.
- ✓ **18% reduction in average stoppage hrs for avoidable stoppages** reduces demurrage and turnaround cost.
- ✓ **10% reduction in avoidable stoppage incidences** cuts recurring delays across the network.
- ✓ **98%+ SLA adherence** replaces manual follow-up calls with a single source of truth.