Real-Time Location Intelligence
Bringing Efficiency in Logistics
And Supply Chain Operations

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Wish to have better visibility and predictability of your supply chain operations?

Concerned about operational inefficiencies that the current pandemic may have caused?

Wonder if going multi-modal on a particular route will help meet your delivery time SLAs?

Assess which routes are the cheapest, fastest, safest and most efficient for distribution?

Worried about important delivery routes or addresses falling in containment zones?
Broad Challenges

- Inventory Management: Lack of Coordination across multiple sale channels
- Unpredictable customer demand
- Real Time Supplier Visibility
- Complex & Multimode flow of goods and data (Inbound, Outbound)
- Sourcing (Supplier verification, accurate source trace to measure SLA)
- Real Time asset Location/Utilization
- Blurred Visibility (such as lack of insight during freight hand over)
- End to end shipment Visibility
- Accurate ETA for shipment
The **Location** Solution.
Readily deployable components

- **Geospatial Data Platforms**: Comprehensive, detailed maps of the region of interest integrated with platform through APIs
- **Geospatial Engine (mGIS)**: Highly scalable and robust Geospatial Analytics and Visualization platform
- **Telematics Platform**: Platform for real-time monitoring of each trip, fleet and assets
- **Insight (Business Analytics Module)**: Highly configurable dashboard platform to transform data into insights
Mappils-MapmyIndia Map Engine
(Geospatial Data Platform)

Maps & Traffic
Customize & view Vector 3D maps with user interactions like pinch, zoom, pan & overlays

Routes & Navigation
Turn by turn directions with alternate driving routes between specified locations

Search
Search for an address or a coordinate & nearby place and get suggestions

Geo Analytics
Easy access to spatial analytics and visualisation

APIs Offering
Integrate Rich Location Features & Functions with Comprehensive & Robust Map Data

Global Map Coverage*
Big Data Analytics: Traffic Components

- Moving Objects Data
- Mobile Sensors Data
- Traffic Signals
- Street Lights
- User Reports
- Social Feeds
- Departments Input

Probe Cluster - Country View
Probe Cluster - State View
Live Probe view along the Road
Address & Places of Interest

Powering location search, analytics, geo-tagging capabilities

- Millions of places of interest across 300+ categories
- Millions of house numbers
- Places of interest categories like warehouses, industrial clusters, parking locations, tollbooths, post offices, rest areas, hospitals, fuel stations and many more
- Last mile connectivity
Efficient Multimodal Tracking Solution
(Manufacturing, Warehousing, Shipping)

- Pick the hardware & connectivity for your use case
- Track
- Monitor
- Notify

Mappls-MMI enabled Tracker + Connectivity ecosystem

Customer data integration from ERP/TMS

Mappls-MMI Tracking API Platform

- Use our front-end libraries for building dashboards
- Use our libraries to build & deploy an Android-based tracking app

Mappls-MMI Web Dashboard Library
Mappls-MMI Mobile Tracker Library

Enabling FAST Solution Development

System Integrator/Professional services

Final application integrated in the customer’s business applications
**Efficient Routing Solution**

**Vehicle attributes**
- Height
- Width
- Weight
- Length

**Load Type/Cargo Type**
Special care taken for hazardous material. For eg: vehicle carrying explosives or inflammable, shall avoid tunnels in routing

**Driving Alerts**
- Real-time traffic alerts
- Truck stops(fuel station, rest areas, weigh scales)
- Sharp curve alerts
- Speed camera alerts

**Road Characteristics**
- Road type
- Road gradient
- Curvature

**Legal**
- Restrictions (Logistics)
- Speed limitations
- Restricted areas

**Route Preference**
- Fastest
- Shortest
- Fuel efficient
- Avoid roads(toll roads, highways, ferries)
Highlights: Height Restrictions

Height restriction for trucks and HCV’s

Takes the height restriction into account and take the detour
Highlights: Minor Road Avoidance

Light vehicles can take minor road at times for optimal route

Truck routing avoids minor roads hence avoids getting stuck
Cheapest Route:
- Distance: 226 Km
- Duration: 3 H
- Fuel Consumption: 41L
- Toll Cost: 1150 INR

Fastest Route:
- Distance: 231 Km
- Duration: 3.5 H
- Fuel Consumption: 45L
- Toll Cost: 1150 INR

Safest Route:
- Distance: 203 Km
- Duration: 4 H
- Fuel Consumption: 40L
- Toll Cost: 950 INR

Shortest & Cheapest Route:
- Distance: 203 Km
- Duration: 4 H
- Fuel Consumption: 40L
- Toll Cost: 950 INR
Benefits to all Stakeholders

Producer/ Goods Shipper
- Search places in comprehensive map data covering all India at granular level
- Check for distances between your location and the destination
- View issues reported at the destination or enroute before booking the consignment

Truck driver
- Safety alerts
- Real-time traffic and reported events

Logistics Service Provider/ Transporter/ Truck Owner
- Map your customers on the map
- Get real-time alerts when vehicle enters a geo-fence
- Calculate load/ unload times/wastage

Consignee/ Goods Receiver
- Monitor the vehicle and goods
- Know Estimated Time of Arrival (ETA) of your goods

Warehouse manager
- Add your warehouses on the map
- Claim your business on the Mappls app to maintain information
Mapping is **complex**.
But using mapping solutions is **easy**.
We are

Mappls

International brand of MapmyIndia - India’s leading provider of digital maps, geospatial software & location-based IoT technologies