



Looking for **Smart Transport & Logistics Management Solutions** for the **MINING INDUSTRY?**

THINK eTrans

Specifically designed for the mining industry, smart Transport & Logistics Management Solution from eTrans integrates IoT-driven automation, real-time tracking, and comprehensive analytics ensuring operational efficiency, safety compliance and risk mitigation - thereby improving overall mining productivity.



BENEFITS



Enhanced Security

Prevents unauthorized vehicle access and material theft.



Operational Efficiency

Reduces delays, demand - supply gap through better planning and optimizes fleet movement.



Real-Time Monitoring

Provides live insights into vehicle and personnel movement.



Scalability

Supports large-scale mining operations and fleet expansion.



Productivity Enhancement

Better utilization of assets leading to lesser number of vehicles generating higher output, helps in cost optimization, increasing driver efficiency and lesser carbon footprint



Regulatory Compliance

Ensures adherence to mining safety protocols.

KEY FEATURES



Real-Time Tracking & Monitoring

- GPS-enabled tracking for mining vehicles and heavy equipment.
- Route deviation alerts and theft prevention measures.
- Live tracking dashboards for real-time fleet and asset visibility.
- Mining operational visibility with reports like Trip Summary, Stoppage Details, Speed Details, Geofence view and Waypoint view.
- Hourly / Shift based Monitoring Reports of Mining Assets.



Inbound & Outbound Logistics

- Dynamic ETA analysis to optimize mining material transportation.
- Geofencing solutions to track mining fleet movement.
- Delay analysis and congestion management for improved efficiency.



Safety & Compliance Management

- 24x7 monitoring and emergency alert systems for mining vehicles.
- Geofencing of restricted zones to prevent unauthorized access.
- Intelligent video surveillance for improved operational safety (optional)



Data Analytics & Business Intelligence

- Custom dashboards with KPI visualization for mining operations.
- Stoppage and speed violation reports to improve safety.
- Comprehensive MIS reporting for compliance and resource planning.
- Decongestion inside mining areas and route optimization
- Trip and cost calculation through Geofence and RFID Readers along with ERP integration
- Centralised Data Centre (CDC). To ensure timely information and escalation to management at various levels to minimize non-compliance and security risks. It tracks vehicle deviations from assigned routes to prevent theft, implements geo-fencing for high-risk zones, and provides real-time alerts. Additionally, it facilitates TAT updates for delayed vehicles, analyze transporter-wise / strategic location wise performance, and delivers comprehensive MIS reports for informed decision-making.



WAYPOINT VIEW



GEOFENCE VIEW



TRIPS SUMMARY



SPEED DETAILS



STOPPAGE DETAILS



BIRDS EYE VIEW

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