

AI Dispatch Optimizer

Smarter Routes. Lower Costs.

 Web + Mobile  AMW Mining & Allied Services  amwmining.in

AI Dispatch Optimizer uses machine learning to optimize fleet dispatch in mining operations — reducing fuel consumption, improving cycle times, and maximizing equipment utilization through intelligent route and load matching.

The Challenge

Mining fleet dispatch relies on manual coordination, resulting in empty trips, fuel wastage, uneven loading, bottlenecks at dump sites, and underutilized expensive equipment.

Our Solution

AI Dispatch Optimizer learns from your fleet historical patterns and makes real-time optimization decisions that save fuel, time, and money.

Key Features

Purpose-built capabilities for the mining industry



AI Route Optimization

Machine learning algorithms optimize haul routes based on terrain, traffic, fuel efficiency, and production targets.



Fuel Prediction

Predictive fuel consumption modeling with anomaly detection for leaks, theft, and inefficiency.



Load Matching

Optimal truck-excavator pairing based on cycle times, bucket capacity, and production requirements.



Real-Time Fleet View

Live GPS fleet tracking with speed, location, fuel level, and load status on an interactive map.



Predictive Maintenance

Equipment health monitoring with predictive failure alerts based on usage patterns and sensor data.



Cost Analytics

Cost-per-ton analysis by equipment, route, shift, and material type with trend visualization.

Impact & Results



Measurable outcomes from real mining operations

20%

Fuel cost reduction

25%

Improved fleet utilization

15%

Higher production throughput

Real-time

Decision support

Ideal For

- ✓ Coal mine haulage operations
- ✓ Large opencast mines with 20+ trucks
- ✓ Multi-pit operations
- ✓ Contract fleet management

Ready to Transform Your Mining Operations?

Contact us for a live demo and see how AI Dispatch Optimizer can work for your mine.

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